
Snap-on
Snap-on
17mm
Snap-on
1920•2015

THE BEST DEMAND THE BEST.



TOOL STORAGE 3-98

1/4" DRIVE TOOLS 102-136

3/8" DRIVE TOOLS 137-183

1/2" DRIVE TOOLS 184-212

3/4" DRIVE TOOLS 213-221

1" 1-1/2" 2-1/2" DRIVE TOOLS 222-232

WRENCHES 233-274

TORQUE 275-301

SCREWDRIVERS 302-332
Awls • Hooks • Picks • Prybars

PLIERS 333-349

PUNCHES/CHISELS/HAMMERS 350-356

GENERAL HAND TOOLS 357-429
Files • Scrapers • Spark Plugs • Threading • Extractors • Pullers • Diesel • Other

SET BUILDING 430-440

POWER TOOLS 441-506

TESTING & ELECTRONICS 510-551
Specialty Meters • Analyzers • Fuel and Engine Systems

WELDING 552-567

UNDERCAR 568-605

BATTERY SERVICE 606-615

AIR CONDITIONING 616-628

COOLING 629-636

SHOP EQUIPMENT 637-720
Lighting • Creepers • Measuring • Pick-up Tools • Compressors • Presses

SHOP CLEANING 721-727
Parts Washers • Pressure Washers • Vacuums • Shop Fans

SAFETY 728-740

DIAGNOSTICS 741-775

INDEX I1-I30

QUICK REFERENCE

THE WORLD'S FINEST TOOLS. 95 YEARS IN THE MAKING.



1920s

PIONEERED INTERCHANGEABLE SOCKETS ("5 DO THE WORK OF 50") AND DIRECT-TO-CUSTOMER SALES; RATCHETING ATTACHMENT DEBUTS



1940s

SNAP-ON INTRODUCES A COMPLETE YET COMPACT WHEEL ALIGNMENT SYSTEM TO MEASURE CAMBER, CASTER AND STEERING GEOMETRY



1960s

INNOVATIVE FLANK DRIVE® WRENCHING SYSTEM IS INTRODUCED TO THE ENTIRE PRODUCT LINE; UNDERSCORES "THERE IS A DIFFERENCE" IN SNAP-ON PRODUCTS

1930s

TORQOMETER® (PIONEERING TORQUE WRENCH) & SUPER SERVICE SETS (WITH 150+ TOOLS) INTRODUCED



1950s

THE MASTER ANALYZER, A COMPREHENSIVE IGNITION AND ENGINE TESTING SYSTEM IN ONE CONSOLE, IS UNVEILED





In 1920, with the turn of a socket wrench, Joe Johnson revolutionized the tool industry. His ingenious "5 Do the Work of 50" interchangeable sockets and handles set a new standard – and Snap-on has been innovating ever since. From a rented building in Milwaukee, Johnson and his colleague Bill Seidemann agreed: interchangeable sockets had the potential for unrivaled productivity. And so, Snap-on Wrench Company was born. They teamed with Stanton Palmer and Newton Tarble, the pioneers of direct sales and delivery of tools to mechanics at their place of business. Today, Snap-on is poised to spearhead innovation well into the 21st century. And, with roots still firmly planted here at home, we'll continue to define the cutting edge: by creating unique productivity solutions for techs and professionals in critical industries around the globe.



1980s

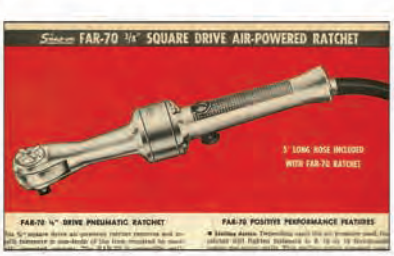
SNAP-ON DEVELOPS COLD-FORMED ALLOY STEEL TECHNOLOGY FOR SOCKETS; HANDHELD DIAGNOSTIC TOOL MT2500, "THE BRICK," IS LAUNCHED

2000s

DUAL 80™ RATCHETING TECHNOLOGY INTRODUCED; EPIQ, A POWERED TOOL STORAGE SYSTEM, IS CREATED

1970s

SNAP-ON PIONEERS AIR-POWERED RATCHETS WITH INTRODUCTION OF THE PATENTED FAR70



1990s

FLANKDRIVE® PLUS (WITH 40% GREATER TURNING POWER) INTRODUCED; SNAP-ON PATENTS A 3D VISUAL ALIGNMENT SYSTEM



2010s

SURETRACK® – EXPERT INFORMATION SYSTEM WITH REAL FIXES AND VERIFIED PARTS REPLACEMENT RECORDS FROM MILLIONS OF SUCCESSFUL REPAIR ORDERS



OUR THANKS TO THOSE WHO CONTINUE TO PUT SNAP-ON ON THE MAP.

Behind every great tool is an incredible workforce. At Snap-on, we proudly salute the men and women who design, engineer, and manufacture the best tools in the world.



ELIZABETHTON, TN
Wrenches, Ratchets, Prybars, Punches, and Chisels



MURPHY, NC
Cordless and Pneumatic Tools



MILWAUKEE, WI
Sockets, Extensions, Pliers, and Screwdrivers



CONWAY, AR
Wheel Balancers and Tire Changers



ALGONA, IA
Tool Storage



CITY OF INDUSTRY, CA
Torque Products



ELKMONT, AL
Ratcheting Screwdrivers, Hammers, Large Sockets, and Custom Tools



SAN JOSE, CA
Diagnostic Platforms and Software













Overview.....4
EPIQ Series.....7
Masters Series.....21
Classic Series.....41
Heritage Series.....49
Mobile Solutions.....56
Accessories.....67

TOOL STORAGE



WHEN IT COMES TO STORING TOOLS, SNAP-ON RULES.

For every job, for every need, for every tech, Snap-on has the storage solution. With an incredible breadth and depth of tool storage systems, the ability to personalize and customize a system that suits you, innovative expansion options and rock-solid construction, Snap-on leads the way. When you want a system that puts every tool perfectly in its place, we have your perfect solution.



COUNTLESS WAYS TO CUSTOMIZE.

The needs of every job – and every tech – are different. Snap-on® tool storage systems give you the power to customize one to your exact requirements.

BREADTH — From the groundbreaking EPIQ Series to the Masters, Classic and Heritage Series, to carts and specialty storage, you'll find your solution here.

SYSTEM EXPANSION — As your career and capabilities grow, so will your tool storage system. We've got the options to keep pace.

"Since I bought my big box, I haven't heard anyone come in and tell me they know of someone with a bigger one. The quality and tool control adds value daily."

Kevin Kassel
Des Moines, IA

Kevin has:
2 Red TUVs - KRT1032BPBO
1 Red Roll Cab w/ Stainless Steel Top - KRL1022CPBO1
1 Red Riser, Workstation 54" - KRL1054PBO

PACKED WITH INNOVATION.

Innovation starts with listening. And when you told us what you needed, we designed industry-leading features that work with you and for you.

POWERED TOOL STORAGE — Charge your tools while securely storing them in the revolutionary EPIQ Series with PowerBank™.

MOBILE STORAGE — From roll cabs to carts to the one-of-a-kind Road Chest, *Snap-on* tool storage is always right beside you.

INPULSE™ DRAWERS — Intuitive flush finish drawers that are easier to open, smoother to close and don't drift open.

FIRST IN STORAGE. BUILT TO LAST.

Because you work hard, *Snap-on* tool storage is tested to its limits. Which means these tough, reliable systems will go the distance. Depend on it.

STRUCTURAL CONTINUITY — A structural, integrated bond makes the overall strength of the unit greater than the sum of its parts.

DOUBLE WALL CONSTRUCTION — Double up on durability: the double wall guards against faulty drawer operation caused by dents and dings.

HIGH-END PAINT — An ultra-tough powder coat process provides impressive finishes in a variety of colors.

ROLL CAB – QUICK REFERENCE CHART


EPIQ Series


Masters Series


Classic Series


Heritage Series

	Features	EPIQ	Masters	Classic	Heritage
Steel Gauge:	Bottom	16 (14 Gauge Super Duty Skid Support System)	16 (14 Gauge Extra Heavy Duty Skid Support System)	16 (14 Gauge Heavy Duty Skid Support System)	16 (14 Gauge Heavy Duty Skid Support System on 53" Roll Cabs)
	Top	16 (Super Duty Stiffeners)	16 (Extra HD Stiffeners)	16 (Heavy Duty Stiffeners)	16 (Medium Duty Stiffeners on 53")
	Back	16	16	16	18
	Side	16	16	16	18
	False Side Panels	18	18	18	20
	Drawer Front	18	18	18	20
	Drawer Body	18	18	18	18/20
	Drawer Back	18	18	18	20
	Standing Seam	•	•	•	—
	Corner Gussets	4	4	4	4 (53"); 2 (40")
Features:	Slides, lb (ball bearing)	227	227	120	120
	Handle	Chrome with grips	Chrome with insert	Ergonomic	Ergonomic
	Drawer Trim	Dual-function Aluminum	Aluminum Installed	Aluminum Installed	Aluminum Installed
	Case Trim	Alum. Wrap Installed	Aluminum Installed	—	—
	Lock	Removeable Core	Removeable Core	Removeable Core	Removeable Core
	Casters	7" x 2" Super Duty ISO-Ride® 8,000 lb	6" x 2" Extra Heavy *ISO-Ride* 6,800 lb*	6" x 2" 2,400 lb	6" x 2" 2,400 lb
	Caster/Handle Mounting	Weld Nut/ Heavy Plate	Weld Nut/ Heavy Plate	Weld Nut/ Heavy Plate	Weld Nut & Plate
	Top Mat	Non-directional Rubber	Non-directional Rubber	Non-directional Rubber	Unidirectional Rubber
	Drawer Liner	Nonslip Premium	Nonslip Premium	Nonslip Premium	Foam
	Drawer Retention	InPulse	Lock-n-Roll	Lock-n-Roll	Lock-n-Roll
	Paint	All Powder Coat Scratch Resistant	All Powder Coat Scratch Resistant	All Powder Coat Scratch Resistant	All Powder Coat Scratch Resistant
	Colors Available	12 Standard	12 Standard	8 Standard	4 Standard
	Integrated Power Available	•	Optional Cabinet	—	—

*6,800 lb casters on all Masters except KRL722A, KRL756B, KRL1056B

TOOL STORAGE. TAKEN TO THE NEXT LEVEL.

Created by technicians to meet the most rigorous demands of any job, the EPIQ Series is the first Snap-on® tool storage series with integrated power. This is what happens when Snap-on – and the pros that use them – takes legendary tool storage to the next level.

PowerBank™ — Charge and store your cordless tools in this lockable bank.

PowerHouse™ — Power and store a diagnostic tool or PC under the lockable flip-top.

PowerTop™ — A stainless steel work surface with integrated power sources accommodates laptops, power tools and a variety of accessories.

TOP-OF-THE-LINE. FROM TOP-TO-BOTTOM.

When it comes to these tool storage units, EPIQ power is just the beginning. Because to top things off, this series is built with the best components – many of which are EPIQ exclusives. The EPIQ Series: Snap-on at the top of its game.

InPulse™ Drawers — Intuitive flush-finished drawers for the ultimate in performance and professional look.

ISO-Ride® Casters — Smooth-riding 7" swivel-lock mag wheels with independent suspension.

Standing Seams — Increases the weight-bearing strength while protecting edges from unnecessary bumps and bruises.

Corner Gussets — Reinforcement in the corners to prevent racking – even under the heaviest loads.

Structural Support — Stiffeners, gussets and reinforcements used in strategic places throughout the drawers and roll cab.



EPIQ SERIES

This roll cab is not just monumental. It's EPIQ.

Only one name is worthy of our top-of-the-line roll cab series: EPIQ. This is the ultimate choice in tool storage – designed and created by techs, for techs. EPIQ unites the most rugged, reliable and functional roll cabs in the industry, letting you customize one that's tailor-made for the way you work. Choose your additions, optimize your tool storage, ramp up your productivity. Now that's EPIQ.



KERP843B4PUN

EPIQ SERIES

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	White	Flat Blue Blk Trim
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PU	PWL

TRIM COLORS

Blue	Red	Titanium	Black	Bright Chrome



TOP DRAWER SECTION

As your tool collection grows, a Top Drawer Section provides you with the extra storage space you need. It maximizes both drawer space and organization by providing 75% of the storage space of a roll cab. Each drawer bank features three 4" drawers.

OVERHEAD CABINET

It's a simple equation: adding an overhead storage cabinet equals more wide-open shelf and cabinet space. This bulk space is perfect for plastic cases, manuals and personal items. Actuated gas springs raise the door for convenient access.

BULK END CAB

EPIQ bulk end cab provides storage for larger items and additional usable work space; features 17,260 cubic inches of storage, 3 pull-out shelves, and 1 stationary shelf.





WORKCENTER

The WorkCenter serves as the perfect hub when you need to jot down notes, work off your laptop, monitor diagnostic equipment and charge cordless power tools. It also offers a great way to organize the back wall for tool holders, shelves and lighting. Two gas cylinders assist in opening the door for effortless operation.

LOCKER

Our 30"-deep EPIQ lockers are perfect for larger tools, with configurations available in both left and right side doors. It is equipped with six 4"-deep drawers and a stationary shelf; includes two swivel casters for support and easy maneuverability.



*Note stainless steel or bed liner top required when adding a WorkCenter.

EPIQ SERIES: QUICK REFERENCE CHART


KEXP725A


KEXN725A


KEXN603A


KERP842B


KERN842B


KERP843B

Roll Cabs	Specifications	KEXP725A	KEXN725A	KEXN603A	KERP842B	KERN842B	KERP843B
Capacity	Approx Cubic Inches (cm^3)	91,690 (1,501,882)	91,627 (1,500,850)	77,672 (1,272,267)	55,670 (912,268)	55,550 (910,301)	53,407 (875,184)
	Approx Square Inches (cm^2)	25,319 (163,308)	25,340 (163,443)	22,690 (146,351)	13,541 (87,361)	13,769 (88,832)	13,876 (89,522)
	Load Capacity, lb (kg)	16,000 (7,258)	16,000 (7,258)	16,000 (7,258)	8,000 (3,629)	8,000 (3,629)	8,000 (3,629)
Footprint	Width, inches (mm)	144 (3,658)	144 (3658)	120 (3,048)	84 (2,134)	84 (2,134)	84 (2,134)
	Depth, inches (mm)	30 (762)	30 (762)	30 (762)	30 (762)	30 (762)	30 (762)
	Height, inches (mm)	46 7/8 (1,191)	46 7/8 (1,191)	46 7/8 (1,191)	46 7/8 (1,191)	46 7/8 (1,191)	46 7/8 (1,191)
Drawers	Drawer Banks	5	5	3	2	2	3
	Drawer Count	26	31	20	8	13	14
	Widest Drawer, inches (mm) [Qty]	62" (1,575) [3]	54" (1,372) [6]	54" (1,372) [11]	62 (1,575) [7]	54 (1,372) [7]	62 (1,575) [2]
	Slides, lb (kg) [ball bearing]	227	227	227	227 (103)	227 (103)	227 (103)
	Double Slide (included)	Yes (7)	Yes (7)	Yes (8)	Yes (5)	Yes (6)	Yes (3)
Extras	Writing Surface (Qty)	Yes (1)	Yes (1)	Yes (1)	Yes (1)	Yes (1)	Yes (1)
	Third Caster Set Option	N/A	N/A	N/A	Yes	Yes	Yes
Weight	Net Weight, lb (kg)	—	—	—	990 (449)	1,044 (474)	990 (449)
	Shipping Weight, lb (kg)	1,925 (873)	1,925 (873)	1,970 (802)	990 (449)	1,044 (474)	990 (449)
EPIQ Configurations	PowerBank™ unit	Yes	No	No	Yes	No	Yes
	Non-directional Rubber Top	KEXP725A0	KEXN725A0	KEXN603A0	KERP842B0	KERN842B0	KERP843B0
	Stainless-Steel PowerTop™	Choose combination of 60" and 84" tops. See p.72 for part numbers.		Choose combination of 60" tops. See p.72 for part numbers.	KERP842B4	KERN842B4	KERP843B4
	Stainless-Steel PowerHouse™ Top				KERP842B5	KERN842B5	KERP843B5
Optional Add-ons Available	Top Chest	—	—	—	KECN842A	KECN842A	KECN843A
	Top Drawer Section	KESN843A KESN602A	KESN843A KESN602A	KESN602A	KESN842A	KESN842A	KESN843A
	Bulk Side Cabinet	KEBN302AL KEBN302AR	KEBN302AL KEBN302AR	KEBN302AL KEBN302AR	KEBN301AL KEBN301AR	KEBN301AL KEBN301AR	KEBN301AL KEBN301AR
	Locker	KELN301BL KELN301BR	KELN302BL KELN302BR	KELN302BL KELN302BR	KELN301BL KELN301BR	KELN301BL KELN301BR	KELN301BL KELN301BR
	WorkCenter	KEWN840B KEWN600B	KEWN840B KEWN600B	KEWN600B	KEWN840B	KEWN840B	KEWN840B
	Overhead	KEWN840B KEWN600B	KEWN840B KEWN600B	KEWN600B	KEWN840B	KEWN840B	KEWN840B
	Stainless-Steel *PowerTop*	KWSN3012AST	KWSN3012AST	KWSN3010AST	KWSP3084BST	KWSP3084BST	KWSP3084BST
	Stainless-Steel *PowerHouse* Top	—	—	—	KWSH3084BST	KWSH3084BST	KWSH3084BST
	Stainless-Steel Work Surfaces	—	—	—	KWSN3084BST	KWSN3084BST	KWSN3084BST
	Bedliner Steel Work Surface	—	—	—	KWSN3084ABL	KWSN3084ABL	KWSN3084ABL
	Bedliner *PowerTop*	—	—	—	KWSP3084ABL	KWSP3084ABL	KWSP3084ABL
	Hardwood Top	KWSN3012AWT	KWSN3012AWT	KWSN3010AWT	KWSN3084AWT	KWSN3084AWT	KWSN3084AWT

Colors Available

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	White	Flat Blue Blk Trim
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PU	PWL

Tools shown in tool storage not included. Images may be shown without actual warning labels.

All EPIQ Series units are available in 12 standard colors. $GG VXIÀ[IR EDVH VIRFN QXPEHU IRU VSHFLD FRORV.

EPIQ SERIES: QUICK REFERENCE CHART



KERN843B



KERP762B



KERP763B



KERN682B



KERN602B

KERN843B	KERP762B	KERP763B	KERN682B	KETN682A	KERN602B	KETN602A
53,316 (873,693)	49,719 (814,748)	47,485 (778,140)	43,922 (719,753)	45,147 (739,831)	38,000 (622,708)	39,119 (641,045)
13,898 (89,664)	11,985 (77,322)	12,114 (78,155)	12,412 (80,077)	11,046 (71,264)	10,650 (68,710)	9,490 (61,225)
8,000 (3,629)	8,000 (3,629)	8,000 (3,629)	8,000 (3,629)	8,000 (3,629)	8,000 (3,629)	8,000 (3,629)
84 (2,134)	76 (1,930)	76 (1,930)	68 (1,727)	68 (1,727)	60 (1,524)	60 (1,524)
30 (762)	30 (762)	30 (762)	30 (762)	30 (762)	30 (762)	30 (762)
46 7/8 (1,191)	46 7/8 (1,191)	46 7/8 (1,191)	46 7/8 (1,191)	46 7/8 (1,191)	46 7/8 (1,191)	46 7/8 (1,191)
3	2	3	2	2	2	2
19	8	14	13	10	13	10
54 (1,372) [2]	54 (1,372) [7]	54 (1,372) [2]	62 (1,575) [2]	62" (1,575) [3]	54 (1,372) [2]	54 (3)
227 (103)	227 (103)	227 (103)	227 (103)	227 (103)	227 (103)	227 (103)
Yes (4)	Yes (5)	Yes (3)	Yes (3)	Yes (4)	Yes (3)	Yes (4)
Yes (1)	Yes (1)	Yes (1)	Yes (1)	Yes (1)	Yes (1)	Yes (1)
Yes	Yes	Yes	No	No	No	No
1,044 (474)	936 (425)	936 (425)	832 (377)	832 (377)	774 (351)	880 (399)
1,044 (474)	936 (425)	936 (425)	946 (429)	912 (413)	880 (399)	774 (351)
No	Yes	Yes	No	No	No	No
KERN843B0	KERP762B0	KERP763B0	KERN682B0	KETN682A0	KERN602B0	KETN602A0
KERN843B4	KERP762B4	KERP763B4	KERN682B4	KETN682A4	KERN602B4	KETN602A4
KERN843B5	KERP762B5	KERP763B5	—	—	—	—
KECN843A	—	—	KECN682A	KECN682A	KECN602A	KECN602A
KESN843A	—	—	KESN682A	KESN682A	KESN602A	KESN602A
KEBN301AL KEBN301AR	KEBN301AL KEBN301AR	KEBN301AL KEBN301AR	KEBN301AL KEBN301AR	KEBN301AL KEBN301AR	KEBN301AL KEBN301AR	KEBN301AL KEBN301AR
KELN301BL KELN301BR	KELN301BL KELN301BR	KELN301BL KELN301BR	KELN301BL KELN301BR	KELN301BL KELN301BR	KELN301BL KELN301BR	KELN301BL KELN301BR
KEWN840B	KEWN760B	KEWN760B	KEWN680B	KEWN680B	KEWN600B	KEWN600B
KEHN840B	KEHN760B	KEHN760B	KEHN680B	KEHN680B	KEHN600B	KEHN600B
KWSP3084BST	KWSP3076BST	KWSP3076BST	KWSP3068BST	KWSP3068BST	KWSP3060BST	KWSP3060BST
KWSH3084BST	KWSH3076BST	KWSH3076BST	—	—	—	—
KWSN3084BST	KWSN3076BST	KWSN3076BST	KWSN3068BST	KWSN3068BST	KWSN3060BST	KWSN3060BST
KWSN3084ABL	KWSN3076ABL	KWSN3076ABL	KWSN3068ABL	KWSN3068ABL	KWSN3060ABL	KWSN3060ABL
KWSP3084ABL	KWSP3076ABL	KWSP3076ABL	KWSP3068ABL	KWSP3068ABL	KWSP3060ABL	KWSP3060ABL
KWSN3084AWT	KWSN3076AWT	KWSN3076AWT	KWSN3068AWT	KWSN3068AWT	KWSN3060AWT	KWSN3060AWT

Tools shown in tool storage not included

⚠WARNING



- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

EPIQ SERIES: ROLL CABS



KEXN725A1PES



KEXN603A0PJJ



KEXP725A0PJK

EPIQ Series Roll Cab Drawer Sizes

Width		Depth		Height		KEXN725A	KEXN603A	KEXP725A
inches	mm	inches	mm	inches	mm	Drawers	Drawers	Drawers
11 5/8	295	26 13/16	681	30 1/2	775	—	—	1
19 5/8	498	26 7/8	683	1 11/16	43	8	3	6
19 5/8	498	27 15/16	710	3 15/16	100	3	—	1
19 5/8	498	27 15/16	710	6 3/16	157	2	—	1
19 5/8	498	27 15/16	710	10 5/8	270	2	1	1
30 1/16	764	26 7/8	683	1 11/16	43	6	3	3
30 1/16	764	27 15/16	710	3 15/16	100	2	1	1
30 1/16	764	27 15/16	710	6 3/16	157	2	1	1
38 1/16	967	26 7/8	683	1 11/16	43	—	—	3
38 1/16	967	27 15/16	710	3 15/16	100	—	—	1
38 1/16	967	27 15/16	710	6 3/16	157	—	—	1
54 1/16	1,373	26 7/8	683	1 11/16	43	—	3	—
54 1/16	1,373	27 15/16	710	2 11/16	68	2	2	1
54 1/16	1,373	27 15/16	710	3 13/16	97	2	3	1
54 1/16	1,373	27 15/16	710	4 7/8	124	2	2	1
54 1/16	1,373	27 15/16	710	6	152	—	1	—
62 1/16	1,576	27 15/16	710	2 11/16	68	—	—	1
62 1/16	1,576	27 15/16	710	3 13/16	97	—	—	1
62 1/16	1,576	27 15/16	710	4 7/8	124	—	—	1
					Total Drawer Count	31	20	26

Tools shown in tool storage not included

Colors Available

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	White	Flat Blue Blk Trim
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PU	PWL

All EPIQ Series units are available in 12 standard colors. $GG:VXÀ[IR:EDVH:VIRFN:QXPEHU:RU:VHFLD:FRORV.



KERP763B4PCM
76" EPIQ with PowerBank™ Unit and PowerTop™



KERP763B0PDG
76" EPIQ with *PowerBank* Unit



KERP763B5PES
76" EPIQ with *PowerBank* Unit and *PowerHouse* Top



KERP843B5PJK
84" EPIQ with *PowerBank* Unit and PowerHouse™ Top



KERP843B0PJH
84" EPIQ with *PowerBank* Unit



KERP843B4PKS
84" EPIQ with *PowerBank* Unit and *PowerTop* Unit

EPIQ Series Roll Cab Drawer Sizes

Width		Depth		Height		KERP763B	KERP843B
inches	mm	inches	mm	inches	mm	Drawers	Drawers
11 5/8	295	26 13/16	681	30 1/2	775	1	1
19 5/8	498	26 7/8	683	1 11/16	43	3	3
19 5/8	498	27 15/16	710	3 15/16	100	1	1
19 5/8	498	27 15/16	710	10 5/8	270	1	1
30 1/16	764	26 7/8	683	1 11/16	43	3	—
30 1/16	764	27 15/16	710	3 15/16	100	2	—
30 1/16	764	27 15/16	710	6 3/16	157	1	—
38 1/16	967	26 7/8	683	1 11/16	43	—	3
38 1/16	967	27 15/16	710	3 15/16	100	—	2
38 1/16	967	27 15/16	710	6 3/16	157	—	1
54 1/16	1,373	27 15/16	710	2 11/16	68	1	—
54 1/16	1,373	27 15/16	710	4 7/8	124	1	—
62 1/16	1,576	27 15/16	710	2 11/16	68	—	1
62 1/16	1,576	27 15/16	710	4 7/8	124	—	1
					Total Drawer Count	14	14

Tools shown in tool storage not included

⚠WARNING

- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

EPIQ SERIES: ROLL CABS



KERP762B5PU
76" EPIQ with *PowerBank* Unit and PowerHouse™ Top



KERP762B4PBO
76" EPIQ with PowerBank™ Unit and PowerTop™



KERP762B0PC
76" EPIQ with *PowerBank* Unit



KERP842B4PDG
84" EPIQ with *PowerBank* Unit and *PowerTop*



KERP842B5PJK
84" EPIQ with *PowerBank* Unit and *PowerHouse* Top



KERP842B0PJJ
84" EPIQ with *PowerBank* Unit

EPIQ Series Roll Cab Drawer Sizes

Width		Depth		Height		KERP762B	KERP842B
inches	mm	inches	mm	inches	mm	Drawers	Drawers
11 5/8	295	26 13/16	681	30 1/2	775	1	1
54 1/16	1,373	26 7/8	683	1 11/16	43	1	—
54 1/16	1,373	27 15/16	710	2 11/16	68	1	—
54 1/16	1,373	27 15/16	710	3 13/16	97	3	—
54 1/16	1,373	27 15/16	710	4 7/8	124	1	—
54 1/16	1,373	27 15/16	710	6	152	1	—
62 1/16	1,576	26 7/8	683	1 11/16	43	—	1
62 1/16	1,576	27 15/16	710	2 11/16	68	—	1
62 1/16	1,576	27 15/16	710	3 13/16	97	—	3
62 1/16	1,576	27 15/16	710	4 7/8	124	—	1
62 1/16	1,576	27 15/16	710	6	152	—	1
					Total Drawer Count	8	8

Tools shown in tool storage not included

Colors Available

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	White	Flat Blue Blk Trim
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PU	PWL

All EPIQ Series units are available in 12 standard colors.
$GG:VXIÀ[IR:EDVH:VIRFN:QXPEHU:IRU:VSHFLD:FR:RUV.



KERN842B4PC
84" EPIQ with PowerTop™



KERN842B0PES
84" EPIQ



KERN843B5PCM
84" EPIQ with *PowerHouse* Top



KERN843B0PKS
84" EPIQ



KERN842B5PBO
84" EPIQ with PowerHouse™ Top



KERN843B4PC
84" EPIQ with *PowerTop*

EPIQ Series Roll Cab Drawer Sizes

Width		Depth		Height		KERN842B	KERN843B
inches	mm	inches	mm	inches	mm	Drawers	Drawers
19 5/8	498	26 7/8	683	1 11/16	43	2	5
19 5/8	498	27 15/16	710	3 15/16	100	2	3
19 5/8	498	27 15/16	710	6 3/16	157	1	1
19 5/8	498	27 15/16	710	10 5/8	270	1	2
30 1/16	764	26 7/8	683	1 11/16	43	—	3
30 1/16	764	27 15/16	710	3 15/16	100	—	2
30 1/16	764	27 15/16	710	6 3/16	157	—	1
54 1/16	1,373	26 7/8	683	1 11/16	43	1	—
54 1/16	1,373	27 15/16	710	2 11/16	68	1	1
54 1/16	1,373	27 15/16	710	3 13/16	97	3	—
54 1/16	1,373	27 15/16	710	4 7/8	124	1	1
54 1/16	1,373	27 15/16	710	6	152	1	—
					Total Drawer Count	13	19

Tools shown in tool storage not included

⚠WARNING

- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

EPIQ SERIES: ROLL CABS



KERN602B4PBO
60" EPIQ with PowerTop™



KERN602BOPJJ
60" EPIQ



KERN682B0PU
68" EPIQ



KERN682B4PCM
68" EPIQ with *PowerTop*

EPIQ Series Roll Cab Drawer Sizes

Width		Depth		Height		KERN602B	KERN682B
inches	mm	inches	mm	inches	mm	Drawers	Drawers
19 5/8	498	26 7/8	683	1 11/16	43	3	3
19 5/8	498	27 15/16	710	3 15/16	100	1	1
19 5/8	498	27 15/16	710	10 5/8	270	1	1
30 1/16	764	26 7/8	683	1 11/16	43	3	—
30 1/16	764	27 15/16	710	3 15/16	100	2	—
30 1/16	764	27 15/16	710	6 3/16	157	1	—
38 1/16	967	26 7/8	683	1 11/16	43	—	3
38 1/16	967	27 15/16	710	3 15/16	100	—	2
38 1/16	967	27 15/16	710	6 3/16	157	—	1
54 1/16	1,373	27 15/16	710	2 11/16	68	1	—
54 1/16	1,373	27 15/16	710	4 7/8	124	1	—
62 1/16	1,576	27 15/16	710	2 11/16	68	—	1
62 1/16	1,576	27 15/16	710	4 7/8	124	—	1
					Total Drawer Count	13	13

Images shown with optional *PowerTop*

Colors Available

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	White	Flat Blue Blk Trim
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PU	PWL

All EPIQ Series units are available in 12 standard colors. $GG VXIÀ[IR EDVH VIRFN QXPEHU IRU VSHFLD FRORV.



KETN682A0PBO
68" EPIQ



KETN602A0PBO

EPIQ Series Roll Cab Drawer Sizes

Width		Depth		Height		KETN602A	KETN682A
inches	mm	inches	mm	inches	mm	Drawers	Drawers
19 5/8	498	26 7/8	683	1 11/16	43	1	1
19 5/8	498	27 15/16	710	3 15/16	100	1	1
19 5/8	498	27 15/16	710	10 5/8	270	1	1
30 1/16	764	26 7/8	683	1 11/16	43	1	—
30 1/16	764	27 15/16	710	3 15/16	100	2	—
30 1/16	764	27 15/16	710	6 3/16	157	1	—
38 1/16	967	26 7/8	683	1 11/16	43	—	1
38 1/16	967	27 15/16	710	3 15/16	100	—	2
38 1/16	967	27 15/16	710	6 3/16	157	—	1
54 1/16	1,373	27 15/16	710	2 11/16	68	1	—
54 1/16	1,373	27 15/16	710	3 13/16	97	1	—
54 1/16	1,373	27 15/16	710	4 7/8	124	1	—
62 1/16	1,576	27 15/16	710	2 11/16	68	—	1
62 1/16	1,576	27 15/16	710	3 13/16	97	—	1
62 1/16	1,576	27 15/16	710	4 7/8	124	—	1
					Total Drawer Count	10	10

⚠WARNING

- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

EPIQ SERIES: TOP CHESTS



KECN602A0PBO



KECN682A0PC

KECN602A0 Series Top Chest

Cubic Inches (cm^3)	Square Inches (cm^2)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
28,330 (464,245)	8,400 (54,193)	525 (238)	605 (274)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	10	60 (1,524)	30 (762)	27 1/2 (699)
Drawers	2	19 5/8 (498)	26 7/8 (683)	1 11/16 (43)
	3	19 5/8 (498)	27 15/16 (710)	3 15/16 (100)
	2	30 1/16 (764)	26 7/8 (683)	1 11/16 (43)
	3	30 1/16 (764)	27 15/16 (710)	3 15/16 (100)
Top Compartment	1	54 (1,372)	27 15/16 (710)	4 7/8 (124)

KECN682A0 Series Top Chest

Cubic Inches (cm^3)	Square Inches (cm^2)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
32,741 (536,528)	9,721 (62,716)	600 (272)	685 (311)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	10	68 (1,727)	30 (762)	27 1/2 (699)
Drawers	2	19 5/8 (498)	26 7/8 (683)	1 11/16 (43)
	3	19 5/8 (498)	27 15/16 (710)	3 15/16 (100)
	2	38 1/16 (967)	26 7/8 (683)	1 11/16 (43)
	3	38 1/16 (967)	27 15/16 (710)	3 15/16 (100)
Top Compartment	1	62 (1,575)	27 15/16 (710)	4 7/8 (124)



KECN842A0PU



KECN843A0PDG

KECN842A0 Series Top Chest

Cubic Inches (cm^3)	Square Inches (cm^2)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
40,996 (671,804)	12,362 (79,754)	750 (340)	850 (386)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	10	84 (2,134)	30 (762)	27 1/2 (699)
Drawers	2	54 1/16 (1,373)	26 7/8 (683)	1 11/16 (43)
	3	54 1/16 (1,373)	27 15/16 (710)	3 15/16 (100)
	2	19 5/8 (498)	26 7/8 (683)	1 11/16 (43)
	3	19 5/8 (498)	27 15/16 (710)	3 15/16 (100)
Top Compartment	1	80 (2,032)	27 15/16 (710)	4 7/8 (124)

KECN843A0 Series Top Chest

Cubic Inches (cm^3)	Square Inches (cm^2)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
39,722 (650,926)	11,760 (75,870)	750 (340)	850 (386)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	15	84 (2,134)	30 (762)	27 1/2 (699)
Drawers	4	19 5/8 (498)	26 7/8 (683)	1 11/16 (43)
	6	19 5/8 (498)	27 15/16 (710)	3 15/16 (100)
	2	30 1/16 (764)	26 7/8 (683)	1 11/16 (43)
	3	30 1/16 (764)	27 15/16 (710)	3 15/16 (100)
Top Compartment	1	80 (2,032)	27 15/16 (710)	4 7/8 (124)

Colors Available

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	White	Flat Blue Blk Trim
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PU	PWL

All EPIQ Series units are available in 12 standard colors. $GG VXIÀ[IR EDVH VIRFN QXPEHU IRU VSHFLD FRORV.



KESN602A0PBO



KESN682A0PC

KESN602A0 Series Drawer Sections

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
26,370 (431,941)	8,223 (53,038)	525 (238)	605 (274)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	12	60 (1,524)	30 (762)	27 1/2 (699)
Drawers	2	19 5/8 (498)	26 7/8 (683)	1 11/16 (43)
	4	19 5/8 (498)	27 15/16 (710)	3 15/16 (100)
	2	30 1/16 (764)	26 7/8 (683)	1 11/16 (43)
	4	30 1/16 (764)	27 15/16 (710)	3 15/16 (100)

KESN682A0 Series Drawer Sections

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
30,616 (501,490)	9,547 (61,578)	600 (272)	685 (311)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	12	68 (1,727)	30 (762)	27 1/2 (699)
Drawers	2	19 5/8 (498)	26 7/8 (683)	1 11/16 (43)
	4	19 5/8 (498)	27 15/16 (710)	3 15/16 (100)
	2	38 1/16 (967)	26 7/8 (683)	1 11/16 (43)
	4	38 1/16 (967)	27 15/16 (710)	3 15/16 (100)



KESN842A0PU



KESN843A0PDG

KESN842A0 Series Drawer Sections

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
38,352 (628,206)	12,195 (78,658)	750 (340)	850 (386)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	12	84 (2,032)	30 (762)	27 1/2 (699)
Drawers	2	19 5/8 (498)	26 7/8 (683)	1 11/16 (43)
	4	19 5/8 (498)	27 15/16 (710)	3 15/16 (100)
	2	54 1/16 (1,373)	26 7/8 (683)	1 11/16 (43)
	4	54 1/16 (1,373)	27 15/16 (710)	3 15/16 (100)

KESN843A0 Series Drawer Sections

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
36,785 (602,538)	11,471 (73,988)	750 (340)	850 (386)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	18	84 (2,032)	30 (762)	27 1/2 (699)
Drawers	4	19 5/8 (498)	26 7/8 (683)	1 11/16 (43)
	8	19 5/8 (498)	27 15/16 (710)	3 15/16 (100)
	2	30 1/16 (764)	26 7/8 (683)	1 11/16 (43)
	4	30 1/16 (764)	27 15/16 (710)	3 15/16 (100)

⚠WARNING

- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

EPIQ SERIES: WORKCENTERS



KEWN840B0PBO

EPIQ WorkCenters – Stainless-Steel, Bed Liner or Butcher Block worksurface required to use WorkCenter.

	Overall			Inside					
	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)	Square Inches (cm²)	Cubic Inches (cm³)	Weight Net/Ship, lb (kg)
KEWN840B0	84 (2,134)	30 (762)	25 1/2 (648)	80 9/16 (2,046)	26 5/8 (676)	25 (635)	5,130 (33,090)	38,924 (657,575)	355 (161) 410 (186)
KEWN760B0	76 (1,930)	30 (762)	25 1/2 (648)	72 9/16 (1,843)	26 5/8 (676)	25 (635)	4,717 (30,424)	35,060 (574,283)	325 (147) 375 (170)
KEWN680B0	68 (1,727)	30 (762)	25 1/2 (648)	64 9/16 (1,640)	26 5/8 (676)	25 (635)	4,303 (27,757)	31,196 (510,991)	300 (136) 345 (156)
KEWN600B0	60 (1,524)	30 (762)	25 1/2 (648)	56 9/16 (1,437)	26 5/8 (676)	25 (635)	3,890 (25,091)	27,332 (447,698)	275 (125) 315 (143)

OVERHEAD CABINETS



KEHN840B0PBO

Bulk Overhead Cabinets

	Overall			Inside					
	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)	Square Inches (cm²)	Cubic Inches (cm³)	Weight Net/Ship, lb (kg)
KEHN840B0	84 (2,134)	30 (762)	20 7/8 (530)	80 1/4 (2,038)	28 3/16 (716)	13 5/8 (346)	2,263 (14,595)	30,888 (505,945)	320 (145) 368 (167)
KEHN760B0	76 (1,930)	30 (762)	20 7/8 (530)	72 1/4 (1,835)	28 3/16 (716)	13 5/8 (346)	2,037 (13,141)	27,811 (455,539)	300 (136) 348 (158)
KEHN680B0	68 (1,727)	30 (762)	20 7/8 (530)	64 1/4 (1,632)	28 3/16 (716)	13 5/8 (346)	1,812 (11,687)	24,733 (405,134)	275 (125) 318 (144)
KEHN600B0	60 (1,524)	30 (762)	20 7/8 (530)	56 1/4 (1,429)	28 3/16 (716)	13 5/8 (346)	1,587 (10,233)	21,656 (354,728)	260 (118) 298 (135)

LOCKERS



KELN301BLPBO

KELN301B Side Locker Cabinets

Side cabinets require attachment to an EPIQ roll cabinet or side cabinet. Cannot be used as a standalone unit.

Cubic Inches (cm³)	Square Inches (cm²)	Load Capacity, lb (kg)	Net Weight, lb (kg)
32,835 (537,837)	4,310 (27,800)	4,000 (1,814)	467 (212)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	6/1	30 (762)	30 (762)	74 (1,880)
Pull-Out Bin	2	24 1/8 (613)	23 3/8 (594)	4 (102)
Pull-Out Bin	4	24 1/8 (613)	26 5/8 (676)	4 (102)
Stationary Shelf	1	25 1/2 (648)	24 (610)	—
Can Racks	2	17 7/8 (454)	3 3/16 (81)	4 (102)

KELN301BL – Left side locker
KELN301BR – Right side locker



KEBN301ALPBO

KEBN301A Series Bulk End Cabinet

Cannot be used as a standalone unit.

Cubic Inches (cm³)	Square Inches (cm²)	Load Capacity, lb (kg)	Weight Net/Ship,lb (kg)
17,260 (282,719)	2,461 (15,873)	4,000 (1,814)	390 (177) 440 (200)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	3/1	30 (762)	30 (762)	46 7/8 (1,191)
Pull-Out Bin	1	24 1/8 (613)	23 3/8 (594)	4 (102)
Pull-Out Bin	2	24 1/8 (613)	26 5/8 (676)	4 (102)
Stationary Shelf	1	25 1/2 (648)	24 (610)	—
Can Racks	2	17 7/8 (454)	3 3/16 (81)	4 (102)

KEBN301AL – Left side bulk end cabinet
KEBN301AR – Right side bulk end cabinet

Colors Available

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	White	Flat Blue Blk Trim
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PU	PWL

All EPIQ Series units are available in 12 standard colors. \$GG\VXIÀ[\IR\EDVH\VIRFN\QXPEHU\IRU\VSHFLD\FRORUV.

A HIGHER DEGREE OF TOOL STORAGE.

From ball bearing drawer slides, to the chemical-resistant powder coat paint, the Masters Series is built to the most exacting standards. It's tool storage, a step above.

STANDS UP TO THE TOUGHEST TASKS. AND HIGHEST EXPECTATIONS.

Built for tough jobs done by tough customers: the ones with high expectations. That's why the Masters Series is made with no-compromise construction – to ensure the strength and durability the job requires.

Breadth — The widest variety of configuration options – from the single bank roll cab to the race-inspired Tool Utility Vehicle – with all the add-on options you can imagine.

FINE-TUNED FOR PRODUCTIVITY.

Snap-on designed the Masters Series around the way you work, precisely engineering each box and loading it with features to keep you moving forward efficiently.

PowerCab™ — Bolt on to any Masters Series roll cab for a secure way to power your cordless tools.

Extended Cab Feature — Extra-wide drawers for maximum organizational power.

Security — Round key interchangeable core and a lifetime guarantee on all components for peace of mind.

ISO-Ride® Casters — 6" casters for unmatched strength and smoothness when transporting heavy loads.



COLOR: Extreme Green

MASTERS SERIES

No matter what your storage needs, the Masters serves you well.

At Snap-on, we've mastered the art of tool storage – and our Masters Series cabs live up to the loftiest of standards. Built to accommodate any and every storage need, these roll cabs can be customized to sync with every stage of your career. And, from the smooth ball bearing slides to the tough powder-coat paint, they take everything you put in them – and everything the work environment throws at them. Durable, smart, customizable. The Masters serves all that up, and more.



KRL7042PC

MASTERS SERIES

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	White	Flat Blue Blk Trim
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PU	PWL

TRIM COLORS

Blue | Red | Titanium | Black | Bright Chrome



TOP CHEST

As your skill set grows, so does your tool kit. Our Top Chest helps you max both drawer space and organization by providing 75% of the storage space of a roll cab. Gas shock-assisted lid opens to spacious surface with quick access to batteries, cases and go-to items. For even more convenient space, each drawer bank provides three 4" drawers.

OVERHEAD CABINET

Because it's secure, this bulk space is great for cases and personal items. Actuated gas springs raise the door for convenient access.

DRAWER END CAB

An end cab is an upgrade to a wider roll cab. Snap-on offers a variety of end cab configurations – and the extra work space you'll get from an end cab is yet another benefit.





WORKCENTER

Get the most out of a workday at this convenient place to take notes, work off a laptop, or monitor diagnostic equipment. A WorkCenter opens the door to a back wall that can be organized for tool holders, shelves and lighting. Two gas cylinders assist in opening the door for ease of operation.

LOCKERS

These lockers offer an incredible combination: the ability to expand lengthwise, generous space for larger tools, and configurations to fit both sides of a cab. A standard locker is equipped with four 4"-deep drawers and three adjustable shelves.



*Note stainless steel or bed liner top required when adding a WorkCenter.

MASTERS SERIES: QUICK REFERENCE CHART


KRL1032E


KRL1033C


KRL1023C


KRL1163


KRL7023C

Roll Cabs	Specifications	KRL1032E	KRL1033C	KRL1023C	KRL1163	KRL7023C
Capacity	Approx. Cubic Inches (cm^3)	46,425 (760,769.4)	44,761 (733,501)	44,260 (725,291)	45,593 (747,135)	37,812 (619,628)
	Approx. Square Inches (cm^2)	12,251 (79,038)	12,925 (83,387)	13,111 (84,587)	10,314 (66,542)	11,499 (74,187)
	Load Capacity, lb (Kg)	6,800 (3,084)	6,800 (3,084)	6,800 (3,084)	6,800 (3,084)	6,800 (3,084)
Footprint	Width, inches (mm)	72 7/8 (1,851)	72 7/8 (1,851)	72 7/8 (000)	72 7/8 (1851)	72 7/8 (1,851)
	Depth, inches (mm)	29 1/8 (740)	29 1/8 (740)	29 1/8 (740)	29 1/8 (739.7)	29 1/8 (740)
	Height, inches (mm)	45 7/8 (1,165)	45 7/8 (1,165)	45 7/8 (1,165)	45 7/8 (1,165)	41 3/8 (1, 051)
Drawers	Drawer Banks	2	3	3	3	3
	Drawer Count	12	19	22	16	19
	Widest Drawer, inches (mm) [Qty]	69 (1,753) [2]	69 (1,753) [2]	50 (1,270) [2]	50 (1,270) [2]	50 (1,270) [2]
	Slides, lb (Kg) (Ball Bearing)	227 (103)	227 (103)	227 (103)	227 (103)	227 (103)
	Double Slide (included)	Yes (5)	Yes (2)	Yes (2)	Yes (2)	Yes (2)
Extras	Work Surface	Non-directional Rubber	Non-directional Rubber	Non-directional Rubber	Non-directional Rubber	Non-directional Rubber
	Writing Surface (Qty)	Yes (1)	Yes (1)	Yes (1)	Yes (1)	Yes (1)
	Third Caster Set Option	Yes	Yes	Yes	Yes	Yes
Weight	Net Weight, lb (Kg)	892 (405)	892 (405)	892 (405)	785 (356)	785 (356)
	Shipping Weight, lb (Kg)	1,006 (456)	1,006 (456)	1,006 (456)	1,006 (456)	893 (405)
Optional Add-ons Available	Top Chest	KRL1232	KRL1203B	KRL1203B	KRL1203B	KRL1203B
	Side Cab	KRL1011A KRL1015B	KRL1011A KRL1015B	KRL1011A KRL1015B	KRL1011A KRL1015B	KRL7011A KRL7015B
	Locker	KRL1012B KRL1018	KRL1012B KRL1018	KRL1012B KRL1018	KRL1012B KRL1018	KRL7012A KRL7018
	WorkCenter/ Riser with Door	KRL1072	KRL1072	KRL1072	KRL1072	KRL1072
	Overhead	KRL7245A	KRL7245A	KRL7245A	KRL7245A	KRL7245A
	Stainless-Steel Top	KRSST7003B	KRSST7003B	KRSST7003B	KRSST7003B	KRSST7003B
	Hardwood Top	KRWT7003B	KRWT7003B	KRWT7003B	KRWT7003B	KRWT7003B
	Bedliner Top	KRBLT1023	KRBLT1023	KRBLT1023	KRBLT1023	KRBLT1023

Colors Available

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	Flat Blue Blk Trim	White
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PWL	PU

All KRL Series units are available in 12 standard colors.
$GG□VXIÀ[□IR□EDVH□VIRFN□QXPEHU□IRU□VSHFLDO□FRORV.

MASTERS SERIES: QUICK REFERENCE CHART


KRL1022C


KRL7022CPBO


KRL722BPQA


KRL1056C


KRL756C

Roll Cabs	Specifications	KRL1022C	KRL7022C	KRL722B	KRL1056C	KRL756C
Capacity	Approx. Cubic Inches (cm^3)	33,735 (552,818)	32,160 (527,008)	23,251 (381,000)	22,356 (366,350)	15,506 (254,100)
	Approx. Square Inches (cm^2)	9,563 (61,697)	8,341 (53,813)	6,770 (43,677)	6,585 (42,484)	4,677 (30,174)
	Load Capacity, lb (Kg)	6,800 (3,084)	6,800 (3,084)	3,600 (1,633)	3,600 (1,633)	3,600 (1,633)
Footprint	Width, inches (mm)	54 1/4 (1,378)	54 1/4 (1,378)	54 1/4 (1,378)	35 5/8 (892)	35 5/8 (892)
	Depth, inches (mm)	29 1/8 (740)	29 1/8 (740)	24 (610)	29 1/8 (740)	24 (610)
	Height, inches (mm)	45 7/8 (1,165)	41 3/8 (1,051)	39 7/8 (1,013)	44 1/4 (1,124)	39 7/8 (1,013)
Drawers	Drawer Banks	2	2	2	1	1
	Drawer Count	13	11	11	8	7
	Widest Drawer, inches (mm) [Qty]	50 (1,270) [2]	50 (1,270) [2]	50 (1,270) [2]	34 (864)	34 (864)
	Slides, lb (Kg) (Ball Bearing)	227 (103)	227 (103)	261 (118)	227 (103)	261 (118)
	Double Slide (included)	Yes (2)	Yes (2)	Yes (2)	Yes (1)	Yes (1)
Extras	Work Surface	Non-directional Rubber	Non-directional Rubber	Non-directional Rubber	Non-directional Rubber	Non-directional Rubber
	Writing Surface (Qty)	Yes (1)	Yes (1)	Yes (1)	No	No
	Third Caster Set Option	No	No	No	No	No
Weight	Net Weight, lb (Kg)	632 (287)	562 (255)	489 (222)	396 (180)	306 (139)
	Shipping Weight, lb (Kg)	720 (326)	645 (292)	548 (248)	450 (204)	361 (164)
Optional Add-ons Available	Top Chest	KRL1201A	KRL1201A	KRL791A	KRL1251	KRL751
	Side Cab	KRL1011A KRL1015B	KRL7011A KRL7015B	KRL711A KRL715B	KRL1011A KRL1015B	KRL711A KRL715B
	Locker	KRL1012B KRL1018	KRL7012A KRL7018	KRL712B	KRL1012B KRL1018	—
	WorkCenter/ Riser with Door	KRL1054	KRL1054	KRA2454	—	—
	Overhead	KRL5445A	KRL5445A	KRWL5435	—	—
	Stainless-Steel Top	KRSST1001B	KRSST1001B	KRSST761B	KRSST7001	KRSST756
	Hardwood Top	KRWT7002A	KRWT7002A	KRWT761B	KRWT7001A	KRWT756A
	Bedliner Top	KRBLT1022	KRBLT1022	KRBLT722	—	KRBLT756

⚠WARNING

- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

MASTERS SERIES: ROLL CABS



KRL1032EPBO



KRL1033CPCM

MASTERS Series Roll Cab Drawer Sizes

Width		Depth		Height		KRL1032E	KRL1033C
inches	mm	inches	mm	inches	mm	Drawers	Drawers
14 5/8	371	26 15/16	684	1 11/16	43	3	6
14 5/8	371	26 15/16	684	4	102	1	3
14 5/8	371	26 15/16	684	6 3/16	157	—	1
14 5/8	371	26 15/16	684	10 5/8	270	1	1
30 1/2	775	26 15/16	684	1 11/16	43	—	3
30 1/2	775	26 15/16	684	4	102	—	2
30 1/2	775	26 15/16	684	6 3/16	157	—	1
49 1/8	1,248	26 15/16	684	1 9/16	40	1	—
49 1/8	1,248	26 15/16	684	3 13/16	97	3	—
49 1/8	1,248	26 15/16	684	6	152	1	—
67 1/8	1,705	26 15/16	684	2 11/16	68	1	1
67 1/8	1,705	26 15/16	684	4 7/8	124	1	1
					Total Drawer Count	12	19

Colors Available

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	Flat Blue Blk Trim	White
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PWL	PU

All KRL Series units are available in 12 standard colors.
$GG VXIÀ[IR EDVH VIRFN QXPEHU IRU VSHFLDO FRORV.



KRL1023CPC



KRL1163PJK



KRL7023CPJJ



KRL1163
Includes power tool organizer drawer (tools not included)

MASTERS Series Roll Cab Drawer Sizes

Width		Depth		Height		KRL1023C	KRL1163	KRL7023C
inches	mm	inches	mm	inches	mm	Drawers	Drawers	Drawers
14 5/8	371	26 15/16	684	1 11/16	43	8	2	8
14 5/8	371	26 15/16	684	4	102	4	4	2
14 5/8	371	26 15/16	684	6 3/16	157	1	1	1
14 5/8	371	26 15/16	684	10 5/8	270	1	1	1
14 5/8	371	26 15/16	684	12 13/16	326	—	1	—
30 1/2	775	26 15/16	684	1 11/16	43	3	1	3
30 1/2	775	26 15/16	684	4	102	2	3	1
30 1/2	775	26 15/16	684	6 3/16	157	1	1	1
49 1/8	1,248	26 15/16	684	2 11/16	68	1	1	1
49 1/8	1,248	26 15/16	684	4 7/8	124	1	1	1
					Total Drawer Count	22	16	19

⚠WARNING

- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

MASTERS SERIES: ROLL CABS



KRL1022CPES



KRL7022CPBO

MASTERS Series Roll Cab Drawer Sizes

Width		Depth		Height		KRL1022C	KRL7022C
inches	mm	inches	mm	inches	mm	Drawers	Drawers
14 5/8	371	26 15/16	684	1 11/16	43	3	3
14 5/8	371	26 15/16	684	4	102	1	—
14 5/8	371	26 15/16	684	10 5/8	270	1	1
30 1/2	775	26 15/16	684	1 11/16	43	3	3
30 1/2	775	26 15/16	684	4	102	2	1
30 1/2	775	26 15/16	684	6 3/16	157	1	1
49 1/8	1,248	26 15/16	684	2 11/16	68	1	1
49 1/8	1,248	26 15/16	684	4 7/8	124	1	1
					Total Drawer Count	13	11

Colors Available

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	Flat Blue Blk Trim	White
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PWL	PU

All KRL Series units are available in 12 standard colors.
$GG□VXIÀ[□IR□EDVH□VIRFN□QXPEHU□IRU□VSHFLD□FRORV.



KRL722BPC



KRL1056CPJK



KRL756CPC

MASTERS Series Roll Cab Drawer Sizes

Width		Depth		Height		KRL722B	KRL1056C	KRL756C
inches	mm	inches	mm	inches	mm	Drawers	Drawers	Drawers
14 5/8	371	21 7/8	557	1 11/16	43	3	—	—
14 5/8	371	21 7/8	557	10 5/8	270	1	—	—
30 1/2	775	21 7/8	557	1 11/16	43	3	—	3
30 1/2	775	21 7/8	557	4	102	1	—	3
30 1/2	775	21 7/8	557	6 3/16	157	1	—	1
49 1/8	1,248	21 7/8	557	2 11/16	68	1	—	—
49 1/8	1,248	21 7/8	557	4 7/8	124	1	—	—
30 1/2	775	26 15/16	684	1 11/16	43	—	3	—
30 1/2	775	26 15/16	684	4	102	—	4	—
30 1/2	775	26 15/16	684	6 3/16	157	—	1	—
					Total Drawer Count	11	8	7

⚠WARNING

- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

MASTERS SERIES: TOP CHESTS



KRL1232PCM

KRL1232 Series Top Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
33,358 (546,404)	10,533 (67,938)	590 (268)	668 (303)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	10	72 7/8 (1,851)	29 1/8 (740)	25 3/8 (645)
Drawers	2	14 5/8 (371)	26 15/16 (684)	1 11/16 (43)
	3	14 5/8 (371)	26 15/16 (684)	4 (102)
	2	49 1/8 (1,248)	26 15/16 (684)	1 11/16 (43)
	3	49 1/8 (1,248)	26 15/16 (684)	4 (102)
Top Compartment	Narrow	18 9/16 (471)	26 7/8 (683)	4 1/8 (105)
	Wide	53 7/8 (1,368)	26 7/8 (683)	4 1/8 (105)



KRL1203BPBO

KRL1203B Series Top Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
32,109 (525,945)	9,994 (64,461)	590 (268)	681 (309)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	15	72 7/8 (1,851)	29 1/8 (740)	25 3/8 (645)
Drawers	4	14 5/8 (371)	26 15/16 (684)	1 11/16 (43)
	6	14 5/8 (371)	26 15/16 (684)	4 (102)
	2	30 1/2 (775)	26 15/16 (684)	1 11/16 (43)
	3	30 1/2 (775)	26 15/16 (684)	4 (102)
Top Compartment	Narrow	18 9/16 (471)	26 7/8 (683)	4 1/8 (105)
	Wide	53 7/8 (1,368)	26 7/8 (683)	4 1/8 (105)



KRL1201APES

KRL1201A Series Top Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
24,456 (400,589)	7,526 (48,543)	424 (192)	505 (229)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	10	54 1/4 (1,375)	29 1/8 (740)	25 3/8 (645)
Drawers	2	14 5/8 (371)	26 15/16 (684)	1 11/16 (43)
	3	14 5/8 (371)	26 15/16 (684)	4 (102)
	2	30 1/2 (775)	26 15/16 (684)	1 11/16 (43)
	3	30 1/2 (775)	26 15/16 (684)	4 (102)
Top Compartment	—	53 7/8 (1,368)	26 7/8 (683)	4 1/8 (105)



KRL1251PJK

KRL1251 Series Top Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
16,348 (267,780)	5,059 (32,631)	267 (121)	306 (140)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	5	35 5/8 (905)	29 1/8 (740)	25 3/8 (645)
Drawers	2	30 1/2 (775)	26 15/16 (684)	1 11/16 (43)
	3	30 1/2 (775)	26 15/16 (684)	4 (102)
Top Compartment	—	35 3/8 (899)	26 7/8 (683)	4 1/8 (105)

Colors Available

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	Flat Blue Blk Trim	White
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PWL	PU

All KRL Series units are available in 12 standard colors.
$GG VXIÀ[IR EDVH VIRFN QXPEHU IRU VSHFLDO FRORV.

KRL791A Series Top Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
15,927 (260,884)	5,132 (33,101)	302 (137)	384 (174)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	8	54 1/4 (1,375)	24 (610)	21 (533)
Drawers	2	14 5/8 (371)	21 7/8 (557)	1 11/16 (43)
	2	14 5/8 (371)	21 7/8 (557)	4 (102)
	2	30 1/2 (775)	21 7/8 (557)	1 11/16 (43)
	2	30 1/2 (775)	21 7/8 (557)	4 (102)
Top Compartment	—	53 7/8 (1,368)	21 3/4 (552)	4 1/8 (105)



KRL791APJK

KRL751 Series Top Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
13,294 (217,756)	4,115 (26,542)	194 (88)	245 (111)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	4	35 5/8 (905)	24 (610)	21 (533)
Drawers	2	30 1/2 (775)	21 7/8 (557)	1 11/16 (43)
	2	30 1/2 (775)	21 7/8 (557)	4 (102)
Top Compartment	—	35 3/8 (899)	21 3/4 (552)	4 1/8 (105)

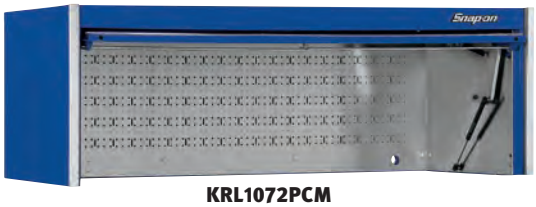


KRL751PC

WORKCENTERS

WorkCenters

- Door opens virtually effortlessly with gas springs and cam-assist design
- Convenient access to tools, convenient security – able to lock up work-in-progress
- Slots 'n dots™ Plus back panel for use with our tool organizing accessories
- Structural continuity design with corner gussets and the standing seam for increased strength and durability
- Stainless-steel inside walls allow magnetic items to be attached to the walls
- Shiny stainless-steel walls reflect the light, magnifying available light
- Extra key plug to key-alike to roll cab
- Mounting template for drilling – including a drill bit for easier installation



KRL1072PCM



KRA2454PBO

Specifications	KRL1072 Series	KRL1054 Series	KRA2454 Series
Cubic Inches (cm³)	26,522 (434,617)	19,409 (318,056)	13,524 (221,619)
Square Inches (cm²)	4,005 (25,838)	3,136 (20,232)	1,127 (7,271)
Width, inches (mm)	72 7/8 (1,851)	54 1/8 (1,851)	55 (1,397)
Height, inches (mm)	23 9/16 (598.5)	23 9/16 (598.5)	27 (686)
Depth, inches (mm)	27 1/2 (698.5)	27 1/2 (698.5)	22 7/16 (570)
Inside Width, inches (mm)	69 7/16 (1,764)	50 13/16 (1,764)	50 13/16 (1,764)
Net Weight, lb (kg)	214 (97)	176 (80)	165 (74.8)
Shipping Weight, lb (kg)	320 (146)	258 (117)	258 (117)

⚠WARNING

- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

MASTER SERIES: BULK OVERHEAD CABINETS



KRL7245APKS



KRWL5435PBO

Bulk Overhead Cabinets

Specifications	KRL7245A	KRL5445A	KRWL5435
Cubic Inches (cm³)	26,814 (439,219)	19,629 (321,516)	15,076 (246,948)
Square Inches (cm²)	1,740 (11,224)	1,274 (8,216)	1,042 (6,719)
Width, inches (mm)	72 7/8 (1,851)	54 1/4 (1,378)	54 1/4 (1,378)
Height, inches (mm)	18 1/8 (460)	18 1/8 (460)	16 (406)
Depth, inches (mm)	27 1/2 (699)	27 1/2 (699)	21 (533)

DRAWER END CABINETS



KRL1221PC

KRL1221 Series Top Cabinet

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
8,115 (132,924)	2,469 (15,925)	170 (77)	218 (99)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	5	19 3/4 (502)	29 1/8 (740)	25 3/8 (645)
Drawers	2	14 5/8 (371)	26 15/16 (684)	1 11/16 (43)
	3	14 5/8 (371)	26 15/16 (684)	4 (102)
Top Compartment	—	18 9/16 (471)	26 7/8 (683)	4 1/8 (105)



KRL1011APJJ

KRL1011A Series End Cabinet

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
10,735 (175,839)	3,152 (20,330)	267 (121)	295 (134)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	8	19 3/4 (502)	29 1/8 (740)	37 5/16 (948)
Drawers	3	14 5/8 (371)	26 15/16 (684)	1 11/16 (43)
	4	14 5/8 (371)	26 15/16 (684)	4 (102)
	1	14 5/8 (371)	26 15/16 (685)	6 3/16 (157)

Colors Available

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	Flat Blue Blk Trim	White
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PWL	PU

All KRL Series units are available in 12 standard colors.
$GG VXIÀ[IR EDVH VIRFN QXPEHU IRU VSHFLDO FRORV.

KRL1098 Series End Cabinet*

Cubic Inches (cm³)	Square Inches (cm²)		Net Weight, lb (kg)	Shipping Weight, lb (kg)
11,088 (181,700)	2,364 (15,252)		267 (121)	—
	Drawers	**Width, inches (mm)**	**Depth, inches (mm)**	**Height, inches (mm)**
Specifications	6	19 3/4 (502)	29 1/8 (746)	37 5/16 (948)
Drawers	2	14 5/8 (371)	26 15/16 (684)	1 11/16 (43)
	3	14 5/8 (371)	26 15/16 (684)	4 (102)
	1	14 5/8 (371)	26 15/16 (684)	12 13/16 (326)

*The KRL1098 and KRL1163 include a 12" drawer that has a power tool organizer kit.





KRL1098PBO

KRL7011A Series End Cabinet

Cubic Inches (cm³)	Square Inches (cm²)		Net Weight, lb (kg)	Shipping Weight, lb (kg)
9,160 (150,041)	2,758 (17,789)		230 (104)	267 (121)
	Drawers	**Width, inches (mm)**	**Depth, inches (mm)**	**Height, inches (mm)**
Specifications	7	19 3/4 (502)	29 1/8 (740)	32 15/16 (837)
Drawers	3	14 5/8 (371)	26 15/16 (684)	1 11/16 (43)
	3	14 5/8 (371)	26 15/16 (684)	4 (102)
	1	14 5/8 (371)	26 15/16 (684)	6 3/16 (157)



KRL7011APCM

KRL711A Series End Cabinet

Cubic Inches (cm³)	Square Inches (cm²)		Net Weight, lb (kg)	Shipping Weight, lb (kg)
7,438 (121,834)	2,239 (14,442)		193 (88)	225 (102)
	Drawers	**Width, inches (mm)**	**Depth, inches (mm)**	**Height, inches (mm)**
Specifications	7	19 3/4 (502)	24 (610)	32 15/16 (837)
Drawers	3	14 5/8 (371)	21 7/8 (557)	1 11/16 (43)
	3	14 5/8 (371)	21 7/8 (557)	4 (102)
	1	14 5/8 (371)	21 7/8 (557)	6 3/16 (157)



KRL711APES

⚠WARNING

- Secure end cab to roll cab per instructions
- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

MASTERS SERIES: POWERCAB™ END CABINETS



KRL1099PBO

Tools not included

KRL1099 Series *PowerCab* End Cabinet

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
11,375 (186,323)	1,584 (10,217)	184 (83)	220 (100)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	1	19 3/4 (502)	29 1/8 (740)	37 5/16 (948)

- Includes two adjustable shelves
- Includes integrated power strip

BULK END CABINETS



KRL1015BPBO

KRL1015B Series Bulk End Cabinet

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
11,608 (190,139)	1,094 (7,056)	184 (83)	220 (100)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	2	19 3/4 (502)	29 1/8 (740)	37 5/16 (948)
Drawers	2	13 1/4 (337)	24 3/4 (629)	4 (102)
Shelves	1	16 1/4 (413)	25 3/8 (645)	Adjustable

KRL7015B Series Bulk End Cabinet

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
9,770 (160,033)	1,094 (7,056)	142 (64)	181 (82)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	2	19 3/4 (502)	29 1/8 (740)	32 15/16 (837)
Drawers	2	13 1/4 (337)	24 3/4 (629)	4 (102)
Shelves	1	16 1/4 (413)	25 3/8 (645)	Adjustable

Colors Available

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	Flat Blue Blk Trim	White
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PWL	PU

All KRL Series units are available in 12 standard colors.
$GG□VXIÀ[□IR□EDVH□VIRFN□QXPEHU□IRU□VSHFLD□FRORV.

KRL1012B Series Locker

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
28,446 (465,945)	3,564 (22,988)	306 (139)	369 (167)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	4	24 1/16 (611)	29 1/8 (740)	62 3/8 (1,584)
Drawers	4	19 7/16 (495)	25 1/8 (638)	4 (102)
Shelves	3	24 1/16 (611)	22 3/4 (578)	Adjustable
Trays	2	17 7/8 (454)	3 1/8 (79)	4 (102)

KRL7012A Series Locker

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
26,085 (427,272)	3,564 (22,988)	285 (129)	345 (156)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	4	24 1/16 (611)	29 1/8 (740)	57 15/16 (1,472)
Drawers	4	19 1/2 (495)	25 1/8 (638)	4 (102)
Shelves	3	24 1/16 (611)	22 3/4 (578)	Adjustable
Trays	2	17 7/8 (454)	3 1/8 (79)	4 (102)

KRL712B Series Locker

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
20,568 (336,904)	2,831 (18,260)	238 (108)	297 (135)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	4	24 1/16 (611)	24 (610)	53 7/16 (1,357)
Drawers	4	19 7/16 (495)	20 (508)	4 (102)
Shelves	3	21 1/16 (535)	17 9/16 (446)	Adjustable
Trays	3	17 7/8 (454)	3 1/8 (79)	4 (102)



KRL1012BPBO

⚠WARNING

- Secure end cab to roll cab per instructions
- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

MASTERS SERIES: DOCKER LOCKERS®



KRL1018PBO

Docker Locker Lockers

Provides a quick way to secure tools and gives additional bulk storage. Includes a roll cart designed to fit locker (not available separately), KAT18PV can rack and one adjustable shelf. Mounts on either side of KRL1000 or KRL7000 Series roll cabs. Not designed for use with standard roll carts.

KRL1018 Series

Cubic Inches (cm^3)	Square Inches (cm^2)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
31,642 (518,296)	1,578 (10,178)	202 (92)	295 (134)
	Width, inches (mm)	**Depth, inches (mm)**	**Height, inches (mm)**
Specifications	24 1/16 (611)	29 1/8 (740)	62 3/8 (1,584)

KRL7018 Series

Cubic Inches (cm^3)	Square Inches (cm^2)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
29,139 (477,297)	1,578 (10,178)	190 (86)	287 (130)
	Width, inches (mm)	**Depth, inches (mm)**	**Height, inches (mm)**
Specifications	24 1/16 (611)	29 1/8 (740)	57 15/16 (1,472)

(US Patent 6, 719, 384)

Colors Available

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	Flat Blue Blk Trim	White
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PWL	PU

All KRL Series units are available in 12 standard colors. $GG□VXIÀ[□IR□EDVH□VIRFN□QXPEHU□IRU□VSHFLDO□FRORV.



KRP1032BPBO1



KRT1032BPC1

KRP1032B Series TUV

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Load Capacity, lb (kg)
113,947 (1,866,452)	19,426 (125,298)	1,975 (896)	6,000 (2,722)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	16	124 (3,150)	29 7/8 (759) 35 for tires (889)	70 (1,778)
Drawers in Roll Cab	3	14 5/8 (371)	26 15/16 (684)	1 11/16 (43)
	1	14 5/8 (371)	26 15/16 (684)	4 (102)
	1	14 5/8 (371)	26 15/16 (684)	10 5/8 (270)
	1	49 1/8 (1,248)	26 15/16 (684)	1 9/16 (40)
	3	49 1/8 (1,248)	26 15/16 (684)	3 13/16 (97)
	1	49 1/8 (1,248)	26 15/16 (684)	6 (152)
	1	67 1/8 (1,705)	26 15/16 (684)	4 7/8 (124)
	1	67 1/8 (1,705)	26 15/16 (684)	2 11/16 (68)
Locker Drawers	4	19 7/16 (494)	25 1/8 (638)	4 (102)
Locker Shelves	4	21 1/16 (535)	22 3/4 (578)	Adjustable
Can Tray	1	17 7/8 (454)	3 1/8 (79)	4 (102)
WorkCenter	Dimensions	71 3/8 (1,813)	23 3/4 (603)	23 (584)

Optional Add-Ons Available

Locker	2 Included
WorkStation Riser	KRL1072 Included
Hardwood Top	KRWT7003A option
Stainless Top	Included KRSST7003B
Protective Cover (roll cab)	KACP1023 option
Overhead	KRL7245A option

Includes (1) KAS12PV, (1) KASR12PV and (1) writing surface

KRT1032B Series TUV

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Load Capacity, lb (kg)
120,528 (1,974,249)	26,709 (172,273)	2,350 (1,066)	6,000 (2,722)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	26	124 (3,150)	29 7/8 (759) 35 for tires (889)	70 (1,778)
Drawers in Roll Cab	5	14 5/8 (371)	26 15/16 (684)	1 11/16 (43)
	4	14 5/8 (371)	26 15/16 (684)	4 (102)
	1	14 5/8 (371)	26 15/16 (684)	10 5/8 (270)
	3	49 1/8 (1,248)	26 15/16 (684)	1 9/16 (40)
	3	49 1/8 (1,248)	26 15/16 (684)	3 13/16 (97)
	1	49 1/8 (1,248)	26 15/16 (684)	6 (152)
	1	67 1/8 (1,705)	26 15/16 (684)	4 7/8 (124)
	1	67 1/8 (1,705)	26 15/16 (684)	2 11/16 (68)
Locker Drawers	4	19 7/16 (494)	25 1/8 (638)	4 (102)
Locker Shelves	4	21 1/16 (535)	22 3/4 (578)	Adjustable
Can Tray	1	17 7/8 (454)	3 1/8 (79)	4 (102)
Top Chest Compartment	Narrow	18 9/16 (471)	26 7/8 (683)	4 1/8 (105)
	Wide	53 7/8 (1,348)	26 7/8 (683)	4 1/8 (105)

Optional Add-Ons Available

Top Chest	KRL1232 included
Locker	2 Included
Protective Cover (roll cab)	KACP1023 option

Includes (1) KASR12PV and (1) writing surface

Colors Available

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	Flat Blue Blk Trim	White
PBO1	PC1	PCM1	PDG1	PES1	PJH1	PJJ1	PJK1	PKS1	POT1	PWL1	PU1
PBO7	PC7	PCM7	PDG7	PES7	PJH7	PJJ7	PJK7	PKS7	POT7	PWL7	PU7

1 = Stainless-steel work surface (P model) and stainless-steel fenders (P and T models)
7 = Bedliner work surface (P model) and bedliner fenders (P and T models)

All TUV Series units are available in 12 standard colors.
$GG VXIÀ [IR EDVH VIRFN QXPEHU IRU VSHFLD FRRV.

WARNING

- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

MASTER SERIES: TOOL UTILITY VEHICLE (TUV)



KRP1023BPOT7



KRT1023BPLU7

KRP1023B Series TUV

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Load Capacity, lb (kg)
111,477 (1,825,993)	20,277 (130,787)	1,975 (896)	6,000 (2,722)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	26	124 (3,150)	29 7/8 (759) 35 for tires (889)	70 (1,778)
Drawers in Roll Cab	8	14 5/8 (371)	26 15/16 (684)	1 11/16 (43)
	4	14 5/8 (371)	26 15/16 (684)	4 (102)
	1	14 5/8 (371)	26 15/16 (684)	6 3/16 (157)
	1	14 5/8 (371)	26 15/16 (684)	10 5/8 (270)
	3	30 1/2 (775)	26 15/16 (684)	1 11/16 (43)
	2	30 1/2 (775)	26 15/16 (684)	4 (102)
	1	30 1/2 (775)	26 15/16 (684)	6 3/16 (157)
	1	49 1/8 (1,248)	26 15/16 (684)	4 7/8 (124)
	1	49 1/8 (1,248)	26 15/16 (684)	2 11/16 (68)
Locker Drawers	4	19 7/16 (494)	25 1/8 (638)	4 (102)
Locker Shelves	4	21 1/16 (535)	22 3/4 (578)	Adjustable
Can Tray	1	17 7/8 (454)	3 1/8 (79)	4 (102)
WorkCenter	Dimensions	71 3/8 (1,813)	23 3/4 (603)	23 (5e84)

Includes (1) KAS12PV shelf, (1) KASR12PV screwdriver rack and (1) writing surface

Optional Add-Ons Available

Locker	2 Included
WorkStation Riser	KRL1072 Included
Hardwood Top	KRWT7003A option
Stainless Top	Included KRSST7003B
Protective Cover (roll cab)	KACP1023 option
Overhead	KRL7245A option
Body Guards	See next page for full listing

KRT1023B Series TUV

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Load Capacity, lb (kg)
117,472 (1,924,191)	27,018 (174,266)	2,350 (1,066)	6,000 (2,722)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	41	124 (3,150)	29 7/8 (759) 35 for tires (889)	70 (1,778)
Drawers in Roll Cab /Top Chest	12	14 5/8 (371)	26 15/16 (684)	1 11/16 (43)
	10	14 5/8 (371)	26 15/16 (684)	4 (102)
	1	14 5/8 (371)	26 15/16 (684)	6 3/16 (157)
	1	14 5/8 (371)	26 15/16 (684)	10 5/8 (270)
	5	30 1/2 (775)	26 15/16 (684)	1 11/16 (43)
	5	30 1/2 (775)	26 15/16 (684)	4 (102)
	1	30 1/2 (775)	26 15/16 (684)	6 3/16 (157)
	1	49 1/8 (1,248)	26 15/16 (684)	4 7/8 (124)
	1	49 1/8 (1,248)	26 15/16 (684)	2 11/16 (68)
Locker Drawers	4	19 7/16 (494)	25 1/8 (638)	4 (102)
Locker Shelves	4	21 1/16 (535)	22 3/4 (578)	Adjustable
Can Tray	1	17 7/8 (454)	3 1/8 (79)	4 (102)
Top Chest Compartment	Narrow	18 9/16 (471)	26 7/8 (683)	4 1/8 (105)
	Wide	53 7/8 (1,368)	26 7/8 (683)	4 1/8 (105)

Includes (1) KASR12PV screwdriver rack and (1) writing surface

Optional Add-Ons Available

Top Chest	KRL1203B Included
Locker	2 Included
Protective Cover (roll cab)	KACP1023 option
Body Guards	See next page for full listing

Colors Available

Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	Flat Blue Blk Trim	White
PBO1	PC1	PCM1	PDG1	PES1	PJH1	PJJ1	PJK1	PKS1	POT1	PWL1	PU1
PBO7	PC7	PCM7	PDG7	PES7	PJH7	PJJ7	PJK7	PKS7	POT7	PWL7	PU7

1 = Stainless-steel work surface (P model) and stainless-steel fenders (P and T models)
7 = Bedliner work surface (P model) and bedliner fenders (P and T models)

All TUV Series units are available in 12 standard colors.
$GG VXIÀ IR EDVH VIRFN QXPEHU IRU VSHFLDO FRORUV.



KRP1022BPMP1

KRP1022B Series TUV

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Load Capacity, lb (kg)
98,413 (1,612,005)	16,868 (108,799)	1,582 (718)	6,000 (2,722)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	17	106 (2,692)	29 7/8 (759) 35 for tires (889)	70 (1,778)
Drawers in Roll Cab	3	14 5/8 (371)	26 15/16 (684)	1 11/16 (43)
	1	14 5/8 (371)	26 15/16 (684)	4 (102)
	1	14 5/8 (371)	26 15/16 (684)	10 5/8 (270)
	3	30 1/2 (775)	26 15/16 (684)	1 11/16 (43)
	2	30 1/2 (775)	26 15/16 (684)	4 (102)
	1	30 1/2 (775)	26 15/16 (684)	6 3/16 (157)
	1	49 1/8 (1,248)	26 15/16 (684)	4 7/8 (124)
	1	49 1/8 (1,248)	26 15/16 (684)	2 11/16 (68)
Locker Drawers	4	19 7/16 (494)	25 1/8 (638)	4 (102)
Locker Shelves	4	21 1/16 (535)	22 3/4 (578)	Adjustable
Can Tray	1	17 7/8 (454)	3 1/8 (79)	4 (102)
WorkCenter	Dimensions	52 3/4 (1,340)	23 3/4 (603)	23 (584)

Optional Add-Ons Available

Locker	2 Included
WorkStation Riser	KRL1054 Included
Hardwood Top	KRWT7002A option
Stainless Top	Included KRSST1001B
Protective Cover (roll cab)	KACP1022 option
Overhead	KRL5445A option

Includes (1) KAS12PV shelf, (1) 7065JL719 writing surface and (1) KASR12PV screwdriver rack



KRT1022BPQA1

KRT1022B Series TUV

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Load Capacity, lb (kg)
99,267 (1,626,688)	21,036 (135,715)	1,786 (810)	6,000 (2,777)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	27	106 (2,692)	29 7/8 (759) 35 for tires (889)	70 (1,778)
Drawers in Roll Cab	5	14 5/8 (371)	26 15/16 (684)	1 11/16 (43)
	4	14 5/8 (371)	26 15/16 (684)	4 (102)
	1	14 5/8 (371)	26 15/16 (684)	10 5/8 (270)
	5	30 1/2 (775)	26 15/16 (684)	1 11/16 (43)
	5	30 1/2 (775)	26 15/16 (684)	4 (102)
	1	30 1/2 (775)	26 15/16 (684)	6 3/16 (157)
	1	49 1/8 (1,248)	26 15/16 (684)	4 7/8 (124)
	1	49 1/8 (1,248)	26 15/16 (684)	2 11/16 (68)
Locker Drawers	4	19 7/16 (494)	25 1/8 (638)	4 (102)
Locker Shelves	4	21 1/16 (535)	22 3/4 (578)	Adjustable
Can Tray	1	17 7/8 (454)	3 1/8 (79)	4 (102)
Top Chest Compartment	Narrow	18 9/16 (471)	26 7/8 (683)	4 1/8 (105)
	Wide	53 7/8 (1,368)	26 7/8 (683)	4 1/8 (105)

Optional Add-Ons Available

Top Chest	KRL1201A Included
Locker	2 Included
Protective Cover (roll cab)	KACP1022
Third Caster Set Option	KACP1022 option

Includes (1) KAS12PV shelf and (1) writing surface

⚠WARNING

- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

MASTER SERIES: TOOL UTILITY VEHICLE (TUV) ACCESSORIES







KP1023JS

KRP/KRT Series Chassis Accessories

Stock No.	Description	Application
KATUVGRILL	Stainless-Steel Front Grill	Fits all Snap-on® TUV units
KATUVFENDER	Stainless-Steel Fender	Fits all *Snap-on* TUV units
KATUVBUMPER	Stainles-Steel Back Bumper	Fits all *Snap-on* TUV units
KP1023JS	Jack Stand	Fits all *Snap-on* TUV units
KATUVBAR54	Stainles-Steel Side Bar	54" step bar fits KRP1022/KRT1022 and KRLR1022 series of TUV units
KATUVBAR72	Stainles-Steel Side Bar	72" step bar fits KRP1023/KRT1023 and KRP1032/KRT1032 series of TUV units
KATUVBRAKE54	Hydraulic Brake Kit	Fits KRP1022/KRT1022 and KRLR1022 series of TUV units
KATUVBRAKE72	Hydraulic Brake Kit	Fits KRP1023/KRT1023 and KRP1032/KRT1032 series of TUV units

KRP/KRT Series Body Guards

Stock No.	Description	Application
KABGBB54	Back bottom body guard for roll cab (54" TUV)	KRP1022/KRT1022
KABGBB72	Back bottom body guard for roll cab (72" TUV)	KRP1023/KRT1023, KRP1032/KRT1032
KABGFB17	Left/Right front bottom body guard for roll cab (17 9/16")	KRP1022/KRT1022, KRP1023/KRT1023, KRP1032/KRT1032
KABGFB33	Center front bottom body guard for roll cab (33 1/2")	KRP1022/KRT1022, KRP1023/KRT1023
KABGFB52	Front bottom body guard for roll cab (52 1/4")	KRP1032/KRT1032 – All units work on "A" & non-A versions
KABGFT17	Left/Right front top body guard for roll cab (17 9/16")	KRP1023/KRT1023, KRP1032/KRT1032
KABGFT51	Front top body guard for roll cab (52 1/8")	KRP1022/KRT1022
KABGFT52A	Front top body guard for roll cab (52 1/8")	KRP1023/KRT1023, KRP1032/KRT1032
KABGFF17	Front face body guard for tool chest (5 1/16" x 17 3/16")	KRT1023/KRT1032
KABGFF51	Front face body guard for tool chest (5 1/16" x 51")	KRT1022/KRT1023/KRT1032
KABGFF52	Front face body guard for WorkCenter (2 7/16" x 52 11/16")	KRP1022
KABGFF71	Front face body guard for WorkCenter (2 7/16" x 71 1/4")	KRP1023/KRP1032
7516X70R	Locker Door Inlay (3 7/8" x 46 7/8")	KRP1022/KRT1022, KRP1023/KRT1023, KRP1032/KRT1032

KRP/KRT Series Diamond Plate Top Mats

Silver Stock No.	Black Stock No.	Description
KPP1022DP	**KPP1022RP**	Diamond plate top mat set for KRP1022 Series TUV units
KPP1023DP	**KPP1023RP**	Diamond plate top mat set for KRP1023/KRP1032 Series TUV units
KPT1023DP	**KPT1023RP**	Diamond plate top mat set for locker tops on KRT1022/ KRT1023/KRT1032 Series TUV units

KRP/KRT Series Covers

Red Stock No.	Black Stock No.	Description
KACP1022	**KACP1022PC**	Cover for KRP1022/KRT1022 TUV units
KACP1023	**KACP1023PC**	Cover for KRP1023/KRT1023 TUV units

All listed TUV accessories will work on older KRLP and KRLT TUV units.

MODERN NEEDS. CLASSIC SOLUTION.

Tool storage with a future – but built on a solid past. The Classic Series from Snap-on puts you in control. Add lockers, end cabs, a WorkCenter riser and overhead storage to create tool storage that fits all your needs.

Customizable — Choose your color from nine standard options, your work surface, your lighting and your protection package. Add skins and other options to make your piece unique.

Affordable — Classic tool storage that grows with you by adding top boxes and other storage. Solid engineering, solid value, solid investment: it's built into every Classic Series Snap-on makes.

Lock-n-Roll® Drawers — Retention system keeps drawers in place for safety and security.

Locker Topper — An optional locker topper creates an even height between the locker and top chest or WorkCenter, serving as extra storage space or a battery charging station.

Reinforced Corner Gussets — For strength and durability.

Double-Wall Construction — Full-height inner wall is welded in place for durable, consistent performance.



COLOR: Royal Blue

CLASSIC SERIES

Versatile. Resilient. Stands the test of time. That's how you define a Classic.

Our Classic Series is classic Snap-on: storage that's smart, adaptable and built to last. It's designed to accommodate added storage, and that's a huge plus – because as your career grows, these boxes will grow with you. And, they're rigorously tested to the equivalent of more than 20 years. Which means they'll not only hold your tools – they'll hold their value. Make some additions that will help multiply your business: it all starts with a Classic.



KRA2422PKG8

CLASSIC SERIES

Red	Gloss Black	Royal Blue	White Blk Trim	Midnight Blue	Extreme Green	Electric Orange	Flat Black Blk Trim	White
PBO	PC	PCM	PDC	PDG	PJJ	PJK	POT	PU

TRIM COLORS

Blue	Red	Titanium	Black	Bright Chrome



TOP CHEST

Classic Top Chests offer a generous amount of drawer and storage space – in fact, they nearly double the storage space when added to a roll cab. Six 4" drawers provide for ample tool storage area. And the gas-assisted lid opens to a 5" deep top compartment, configured with a power strip for charging and lighting. For a top performer, choose a Top Chest.

WORKCENTER

Work better with our WorkCenter. It fits over a stainless steel or bed liner work surface to provide a locking work area, the 27" height means more wall space and head clearance than competitive hutches, and two gas cylinders provide smooth, effortless door operation. Need mounting space for magnetic and hanging accessories? The inside walls are stainless steel. And to top things off, an easy installation kit is included.





END CAB

Looking for a big boost in capacity for any Classic Roll Cab? Our End Cabs do the job, with a full bank of six drawers and over 7,500 cubic inches of space. They can be used on either or both sides, and feature double-wall construction with corner gussets to support heavily loaded drawers. A 12-gauge bottom-mounting bracket with two swivel casters equals solid support and easy maneuverability.

LOCKERS

If the Classic Locker is your choice, more power to you: it accommodates a power strip for use as a charging area. You can adjust the position of the three drawers and three shelves – and, add extra drawers/shelves to fit your needs.



*Note stainless steel or bed liner top required when adding a WorkCenter.

CLASSIC SERIES: QUICK REFERENCE CHART


KRA2496PBO


KRA2432PJJ


KRA2423PDC


KRA2411PCM


KRA2422PC


KRA2407PJK

Roll Cabs	Specifications	KRA2496	KRA2432	KRA2423	KRA2411	KRA2422	KRA2407
Capacity	Approx. Cubic Inches (cm^3)	33,000 (540,773)	33,000 (540,773)	31,237 (530,000)	25,000 (409,677)	25,000 (409,677)	16,000 (262,193)
	Approx. Square Inches (cm^2)	8,000 (51,613)	8,500 (54,839)	8,604 (55,509)	6,300 (40,645)	6,300 (40,645)	4,700 (30,322)
	Load Capacity (kg)	2,400 (1,089)	2,400 (1,089)	2400 (1089)	2,400 (1,089)	2,400 (1,089)	2,400 (1,089)
Footprint	Width, inches (mm)	73 (1,854)	73 (1,854)	73 (1,854)	55 (1,397)	55 (1,397)	36 (914)
	Depth, inches (mm)	24 (610)	24 (610)	24 (609.6)	24 (610)	24 (610)	24 (610)
	Height, inches (mm)	39 (991)	39 (991)	39 (991)	39 (991)	39 (991)	39 (991)
Drawers	Drawer Banks	2	2	3	2	2	1
	Drawer Count	12	12	17	11	10	7
	Widest Drawer, inches (mm)	50 (1,270)	50 (1,270)	50 (1,270)	50 (1,270)	50 (1,270)	32 (813)
	Slides, lb (kg) (ball bearing)	120 (54)	120 (54)	120 (54)	120 (54)	120 (54)	120 (54)
	Double Slides	Yes (2 drawers)	Yes (5 drawers)	Yes (2 drawers)	Yes (2 drawers)	Yes (2 drawers)	No
Extras	Top Mat	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber
	Writing Surface	Optional	Optional	Optional	Optional	Optional	Optional
Weight	Net Weight, lb (kg)	555 (252)	547 (248)	555 (252)	412 (187)	412 (187)	320 (145)
	Shipping Weight, lb (kg)	637 (289)	643 (292)	670 (303)	480 (218)	480 (218)	356 (162)
Optional Add-ons Available	Top Chest	KRA2415	KRA2415	KRA2415	KRA2410	KRA2410	KRA2405
	Side Cab	KRA2406	KRA2406	KRA2406	KRA2406	KRA2406	KRA2406
	Locker	KRA2403	KRA2403	KRA2403	KRA2403	KRA2403	KRA2403
	Work Station Riser w/ Door	KRA2472	KRA2472	KRA2472	KRA2454	KRA2454	No
	Overhead	KRWL3635 (2)	KRWL3635 (2)	KRWL3635 (2)	KRWL5435	KRWL5435	No
	Hardwood Top	KRWT2418	KRWT2418	KRWT2418	KRWT2411	KRWT2411	KRWT2407
	Stainless Top	KRSST2418	KRSST2418	KRSST2418	KRSST2411	KRSST2411	KRSST2407
	Bedliner Top	KRBLT2418	KRBLT2418	KRBLT2418	KRBLT2411	KRBLT2411	KRBLT2407
	Third Caster Set Option	No	No	No	No	No	No

CUSTOM GUARD SETS FOR CLASSIC



KRA2422PWEBO

Custom Guard Sets for CLASSIC, available in over 13 color schemes. Talk to your Snap-on® representative.



KRA2496PBO



KRA2432PC
(Optional Stainless-Steel Top Shown)

CLASSIC Series Roll Cab Drawer Sizes

Specifications	Width		Depth		Height		KRA2496	KRA2432
	inches	mm	inches	mm	inches	mm	Drawers	Drawers
2" Narrow	14 5/8	371	21 7/8	557	1 11/16	43	1	3
4" Narrow	14 5/8	371	21 7/8	557	4	102	3	2
6" Narrow	14 5/8	371	21 7/8	557	6 3/16	157	1	—
10" Narrow	14 5/8	371	21 7/8	557	10 9/16	270	—	1
2" Wide	30 1/2	775	21 7/8	557	1 11/16	43	3	—
4" Wide	30 1/2	775	21 7/8	557	4	102	2	—
6" Wide	30 1/2	775	21 7/8	557	6 3/16	157	1	—
2" Extra Wide	49 1/8	1,248	21 7/8	557	1 9/16	40	—	1
4" Extra Wide	49 1/8	1,248	21 7/8	557	4	102	1	4
6" Extra Wide	49 1/8	1,248	21 7/8	557	6 3/16	157	—	1
					Total Drawer Count		12	12

Colors Available

Red	Gloss Black	Royal Blue	White Blk Trim	Midnight Blue	Extreme Green	Electric Orange	Flat Black Blk Trim	White
PBO	PC	PCM	PDC	PDG	PJJ	PJK	POT	PU

All CLASSIC Series units are available in nine standard colors.
$GG VXIÀ[IR EDVH VIRFN QXPEHU IRU VSHFLD FR RUV

⚠WARNING

- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

CLASSIC SERIES: ROLL CABS


KRA2422PJJ


KRA2423PBO


KRA2411PCM


KRA2407PBO

CLASSIC Series Roll Cab Drawer Sizes

Specifications	Width		Depth		Height		KRA2422	KRA2423	KRA2411	KRA2407
	inches	mm	inches	mm	inches	mm	Drawers	Drawers	Drawers	Drawers
2" Narrow	14 5/8	371	21 7/8	557	1 3/4	43	1	4	1	—
4" Narrow	14 5/8	371	21 7/8	557	4	102	1	4	2	—
6" Narrow	14 5/8	371	21 7/8	557	6 3/16	157	—	1	—	—
10" Narrow	14 5/8	371	21 7/8	557	10 9/16	270	1	1	1	—
2" Wide	30 1/2	775	21 7/8	557	1 3/4	43	3	3	3	3
4" Wide	30 1/2	775	21 7/8	557	4	102	1	1	2	3
6" Wide	30 1/2	775	21 7/8	557	6 3/16	157	1	1	1	1
4" Extra Wide	49 1/8	1,248	21 7/8	557	3 13/16	97	—	0	1	—
5" Extra Wide	49 1/8	1,248	21 7/8	557	4 7/8	124	1	1	—	—
3" Extra Wide	49 1/8	1,248	21 7/8	557	2 11/16	68	1	1	—	—
					Total Drawer Count		10	17	11	7

Colors Available

Red	Gloss Black	Royal Blue	White Blk Trim	Midnight Blue	Extreme Green	Electric Orange	Flat Black Blk Trim	White
PBO	PC	PCM	PDC	PDG	PJJ	PJK	POT	PU

All CLASSIC Series units are available in nine standard colors.
$GG VXIÀ [IR EDVH VIIRFN QXP EHU IRU VSHFLDO FR RUV

KRA2415 Series Top Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
28,348 (464,540)	8,174 (52,735)	496 (225)	555 (252)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	15	73 3/8 (1,864)	24 (609)	28 5/8 (726)
Drawers 2" Narrow	4	14 5/8 (371)	21 7/8 (557)	1 11/16 (43)
4" Narrow	6	14 5/8 (371)	21 7/8 (557)	4 (102)
2" Wide	2	30 1/2 (775)	21 7/8 (557)	1 11/16 (43)
4" Wide	3	30 1/2 (775)	21 7/8 (557)	4 (102)
Top Compartment	—	72 (1,829)	23 3/4 (603)	5 (127)



KRA2415PBO

KRA2410 Series Top Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
21,283 (348,766)	6,137 (39,593)	361 (163)	417 (189)

	Drawer Description	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications		10	55 (1,397)	24 (607)	28 5/8 (726)
Drawers	2" Narrow	2	14 5/8 (371)	21 7/8 (557)	1 11/16 (43)
	4" Narrow	3	14 5/8 (371)	21 7/8 (557)	4 (102)
	2" Wide	2	30 1/2 (775)	21 7/8 (557)	1 11/16 (43)
	4" Wide	3	30 1/2 (775)	21 7/8 (557)	4 (102)
Top Compartment		—	54 (1,372)	23 3/4 (603)	5 (125)



KRA2410PBO

KRA2405 Series Top Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
14,333 (234,875)	4,139 (26,703)	222 (101)	281 (127)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	5	36 3/8 (924)	24 (609)	28 5/8 (711)
Drawers	2	30 1/2 (775)	21 7/8 (557)	1 11/16 (43)
	3	30 1/2 (775)	21 7/8 (557)	4 (102)
Top Compartment	—	35 3/4 (907)	23 3/4 (603)	5 (125)



KRA2405PC

⚠WARNING

- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

CLASSIC SERIES: WORKSTATION RISERS



KRA2472PCM

- Factory assembled unit complete with door
- Work surface required

Stock Number	KRA2472 Riser	KRA2454 Riser
Cubic Inches (cm³)	23,265 (381,245)	13,524 (221,619)
Square Inches (cm²)	1,551 (10,006)	1,127 (7,271)
Width, inches (mm)	73 (1,854)	55 (1,397)
Height, inches (mm)	27 (686)	27 (686)
Depth, inches (mm)	22 7/16 (570)	22 7/16 (570)

LOCKERS



KRA2403PJK

KRA2403 Series Lockers

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
17,035 (279,154)	2,509 (16,188)	375 (170)	418 (189)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	3	24 3/4 (635)	24 (610)	61 (1,549) w/ casters 54 (1,372) w/out casters
Drawers	3	20 3/8 (518)	19 1/2 (495)	3 13/16 (97)
Shelves/Trays	3	20 3/8 (518)	21 1/2 (546)	9 1/2 (241)

Ball slide capacity 125 lb per drawer.

END CABINETS



KRA2406APJK

KRA2406A Series End Cabinets

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
7,574 (124,115)	1,918 (12,374)	220 (99)	258 (117)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	6	20 1/4 (514)	24 (609)	39 1/4 (997)
Drawers	3	14 5/8 (371)	21 7/8 (557)	1 11/16 (43)
	2	14 5/8 (371)	21 7/8 (557)	4 (102)
	1	14 5/8 (371)	21 7/8 (557)	10 9/16 (270)

Ball slide capacity 125 lb per drawer.

Colors Available

Red	Gloss Black	Royal Blue	White Blk Trim	Midnight Blue	Extreme Green	Electric Orange	Flat Black Blk Trim	White
PBO	PC	PCM	PDC	PDG	PJJ	PJK	POT	PU

All CLASSIC Series units are available in nine standard colors.
$GG VXIÀ[IR EDVH VIRFN QXPEHU IRU VSHFLDO FRUV

STORAGE. LOADED WITH POTENTIAL.

Even new techs deserve Snap-on quality. The Heritage Series delivers exceptional construction at a superior value. Build your tool storage as your career grows, adding components to meet your needs along the way.

Lock-n-Roll® Drawers — Premium-quality drawers that won't drift open.

Double-Wall Construction — Ensures an outer dent won't affect drawer performance.

Gas-assisted Lifts on Top Chests — Quality hydraulic lifts for safety and performance.

Flexible Storage Options — Interchangeable drawers adjust to the way you work.

Medium-Duty Casters — Impact-absorbing wheels with smooth performance.

Four Color Options — Add a range of optional accessories to personalize your tool storage.



COLOR: Red

HERITAGE SERIES: ROLL CABS


KRA5318F


KRA5311F


KRA4813F


KRA4107F


KRA4008F


KRA2007F


KRA2005F

Roll Cabs	Specifications	KRA5318F	KRA5311F	KRA4813F	KRA4107F	KRA4008F	KRA2007F	KRA2005F
Capacity	Approx. Cubic Inches (cm³)	19,200 (314,632)	20,000 (327,741)	14,000 (229,419)	15,000 (245,806)	10,000 (163,871)	10,000 (163,871)	10,000 (163,871)
	Approx. Square Inches (cm²)	5,000 (32,258)	5,000 (32,258)	4,000 (25,806)	4,250 (27,419)	3,000 (19,355)	2,800 (18,064)	2,400 (15,484)
	Load Capacity, lb (Kg)	2,400 (1,089)	2,400 (1,089)	2,400 (1,089)	2,400 (1,089)	1,300 (590)	1,100 (499)	1,100 (499)
Footprint	Width, inches (mm)	53 (1,397)	53 (1,397)	40 (1,016)	40 (1,016)	26 (660)	26 (660)	26 (660)
	Depth, inches (mm)	20 (508)	20 (508)	20 (508)	20 (508)	20 (508)	20 (508)	20 (508)
	Height, inches (mm)	38 1/2 (978)	38 1/2 (978)	38 1/2 (978)	38 1/2 (978)	37 (940)	37 (940)	37 (940)
Drawers	Drawer Banks	3	2	2	1	1	1	1
	Drawer Count	18	11	13	7	8	7	5
	Widest Drawer, inches (mm)	35 (880)	48 (1,219)	35 (880)	35 (880)	23 (584)	23 (584)	23 (584)
	Slides, lb (Kg) (ball bearing)	120 (54)	120 (54)	120 (54)	120 (54)	120 (54)	100 (45)	100 (45)
	Double Slides	Yes (1 drawer)	Yes (1 drawer)	Yes (1 drawer)	Yes (1 drawer)	Optional	Optional	Optional
Extras	Top Mat	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber
Weight	Net Weight, lb (Kg)	371 (168)	349 (158)	297 (135)	275 (125)	183 (83)	170 (77)	162 (73)
	Shipping Weight, lb (Kg)	454 (206)	400 (181)	327 (148)	305 (138)	252 (114)	239 (108)	231 (105)
Optional Add-ons Available	Top Chest	KRA5308F	KRA5308F	KRA4114F, KRA4810F	KRA4114F, KRA4810F	KRA4014F	KRA2055, KRA4014F	KRA2055, KRA4014F
	Side Cab	KRA4820F, KRA4830F	KRA4820F, KRA4830F	KRA4820F, KRA4830F	KRA4820F, KRA4830F	—	—	—
	Locker	KRA5012F	KRA5012F	KRA5012F	KRA5012F	—	—	—
	Middle Drawer Section	—	—	KRA4860F	KRA4860F	KRA2063	KRA2063	KRA2063
	Hardwood Top	KRWT5300	KRWT5300	KRWT40F	KRWT40F	KRWT26F	KRWT26F	KRWT26F
	Stainless Top	KRSST5300	KRSST5300	KRSST40F	KRSST40F	—	—	—



KRA5318FPBO



KRA5311FPC



KRA4813FPCM



KRA4107FPJK

HERITAGE Series Roll Cab Drawer Sizes

Specifications	Width		Depth		Height		KRA5318F	KRA5311F	KRA4813F	KRA4107F
	inches	mm	inches	mm	inches	mm	Drawers	Drawers	Drawers	Drawers
2" Narrow	11 3/16	285	17 1/2	445	1 5/8	41	2	3	4	—
4" Narrow	11 3/16	285	17 1/2	445	3 5/8	92	7	1	1	—
8" Narrow	11 3/16	285	17 1/2	445	7 5/8	193	1	—	—	—
12" Narrow	11 3/16	285	17 1/2	445	11 5/8	295	1	1	1	—
2" Wide	21 7/16	544	17 1/2	445	1 5/8	41	2	—	2	—
2" Extra Wide	34 3/4	881	17 1/2	445	1 5/8	41	—	1		2
4" Wide	21 7/16	544	17 1/2	445	3 5/8	92	3	—	3	—
4" Extra Wide	34 3/4	881	17 1/2	445	3 5/8	92	1	3	1	4
8" Wide	21 7/16	544	17 1/2	445	7 5/8	193	1	—	1	—
8" Extra Wide	34 3/4	881	17 1/2	445	7 5/8	193	—	1	—	1
6" Super Wide	47 3/4	1,214	17 1/2	445	5 9/16	141	—	1	—	—
						Total Drawer Count	18	11	13	7

Colors Available

Red	Gloss Black	Royal Blue	Electric Orange
PBO	**PC**	**PCM**	**PJK**

All KRA5000 and KRA4000 Series units are available in four standard colors.

Add suffix to base stock number for special colors.

⚠WARNING

- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

HERITAGE SERIES: ROLL CABS



KRA4008FPC



KRA2007FPBO



KRA2005FPCM

HERITAGE Series Roll Cab Drawer Sizes

Specifications	Width		Depth		Height		KRA4008F	KRA2007F	KRA2005F
	inches	mm	inches	mm	inches	mm	Drawers	Drawers	Drawers
2" Wide	21 3/8	544	17 1/2	445	1 5/8	41	4	2	—
4" Wide	21 3/8	544	17 1/2	445	3 5/8	92	3	4	4
8" Wide	21 3/8	544	17 1/2	445	7 5/8	193	1	1	—
12" Wide	21 3/8	544	17 1/2	445	11 5/8	295	—	—	1
					Total Drawer Count		8	7	5

Colors Available

Red	Gloss Black	Royal Blue	Electric Orange
PBO	**PC**	**PCM**	**PJK**

All KRA5000 and KRA4000 Series units are available in four standard colors.

Add suffix to base stock number for special colors.

Colors Available

Red	Gloss Black	Royal Blue
PBO	**PC**	**PCM**

KRA2007and KRA2005 Series units are available in three standard colors.

Add suffix to base stock number for special colors.

TOP CHESTS



KRA5308FPBO

KRA5308F Series Top Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
12,970 (212,540)	4,191 (27,039)	224 (102)	269 (122)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	8	53 3/8 (1,356)	19 13/16 (503)	19 3/8 (493)
Drawers	2	11 1/8 (283)	17 1/2 (445)	1 5/8 (41)
	2	11 1/8 (283)	17 1/2 (445)	3 5/8 (92)
	2	34 3/4 (881)	17 1/2 (445)	1 5/8 (41)
	2	34 3/4 (881)	17 1/2 (445)	3 5/8 (92)
Top Compartment	—	52 3/8 (1,328)	18 3/4 (475)	4 5/8 (118)

Colors Available

Red	Gloss Black	Royal Blue	Electric Orange
PBO	**PC**	**PCM**	**PJK**

All KRA5000 and KRA4000 Series units are available in four standard colors.

Add suffix to base stock number for special colors.



KRA5315FPCM

KRA5315F Series Top Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
10,758 (176,324)	4,065 (26,227)	244 (110)	298 (135)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	15	53 3/8 (1,356)	19 13/16 (503)	19 7/16 (494)
Drawers	6	11 1/8 (283)	17 1/2 (445)	1 5/8 (41)
	4	11 1/8 (283)	17 1/2 (445)	3 5/8 (91)
	2	21 3/8 (542)	17 1/2 (445)	1 5/8 (41)
	2	21 3/8 (542)	17 1/2 (445)	3 5/8 (91)
	1	34 3/4 (881)	17 1/2 (445)	3 5/8 (91)



KRA4810FPJK

KRA4810F Series Top Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
9,359 (153,370)	3,026 (19,520)	196 (89)	226 (103)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	8	40 (1,016)	19 13/16 (503)	19 7/16 (494)
Drawers	2	11 1/8 (283)	17 1/2 (445)	1 5/8 (41)
	2	11 1/8 (283)	17 1/2 (445)	3 5/8 (91)
	2	21 3/8 (283)	17 1/2 (445)	1 5/8 (41)
	2	21 3/8 (283)	17 1/2 (445)	3 5/8 (91)
Top Compartment	—	39 7/8 (1,013)	18 1/2 (475)	4 3/4 (120)



KRA4114FPCM

KRA4114F Series Top Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
9,746 (159,710)	3,178 (20,500)	183 (83)	213 (97)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	4	40 (1,016)	19 13/16 (503.2)	19 7/16 (493.7)
Drawers	2	34 3/4 (881)	17 1/2 (445)	1 5/8 (41)
	2	34 3/4 (881)	17 1/2 (445)	3 5/8 (91)
Top Compartment	—	39 7/8 (1,014)	18 3/4 (475)	4 3/4 (120)



KRA4014FPC

KRA4014F Series Top Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
6,180 (101,270)	1,995 (12,870)	119 (54)	142 (64)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	4	26 3/4 (678)	19 13/16 (503)	19 7/16 (494)
Drawers	2	21 3/8 (542)	17 1/2 (445)	1 5/8 (41)
	2	21 3/8 (542)	17 1/2 (445)	3 5/8 (91)
Top Compartment	—	26 5/8 (675)	18 3/4 (475)	4 3/4 (120)

Colors Available

Red	Gloss Black	Royal Blue	Electric Orange
PBO	**PC**	**PCM**	**PJK**

All KRA5000 and KRA4000 Series units are available in four standard colors.

Add suffix to base stock number for special colors.

⚠WARNING

- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

HERITAGE SERIES: TOP CHESTS



KRA2055FPBO

KRA2055F Top Chest

Cubic Inches (cm^3)	Square Inches (cm^2)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
4,452 (72,955)	1,814 (11,703)	90 (41)	110 (50)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	5	26 (660)	14 3/4 (373)	17 1/4 (437)
Drawers	4	22 1/8 (559)	13 1/8 (332)	1 7/8 (47)
	1	22 1/8 (559)	13 1/8 (332)	3 1/8 (79)
Top Compartment	—	25 13/16 (655)	13 3/4 (348)	3 7/8 (97)

Colors Available

Red	Gloss Black	Royal Blue
PBO	**PC**	**PCM**

All KRA2055 Series units are available in three standard colors.
Add suffix to base stock number for special colors.



KRA4059FPC

KRA4059F Series Top Chest

Cubic Inches (cm^3)	Square Inches (cm^2)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
4,288 (70,268)	1,753 (11,309)	92 (42)	117 (53)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	9	26 (660)	14 3/4 (373)	17 3/16 (436)
Drawers	6	6 11/16 (169)	13 1/8 (332)	1 3/4 (44)
	2	22 1/8 (559)	13 1/8 (332)	1 7/8 (47)
	1	22 1/8 (559)	13 1/8 (332)	3 1/8 (79)
Top Compartment	—	25 13/16 (655)	13 3/4 (348)	3 7/8 (97)

Colors Available

Red	Gloss Black	Royal Blue	Electric Orange
PBO	**PC**	**PCM**	**PJK**

All KRA5000 and KRA4000 Series units are available in four standard colors.
Add suffix to base stock number for special colors.

DRAWER SECTIONS



KRA4860FPBO

KRA4860F Series Drawer Sections

Cubic Inches (cm^3)	Square Inches (cm^2)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
3,112 (50,997)	1,216 (7,845)	115 (52)	145 (66)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	2	40 (1,016)	19 13/16 (503)	9 13/16 (249)
Drawers	1	34 11/16 (881)	17 9/16 (445)	1 5/8 (41)
	1	34 11/16 (881)	17 9/16 (445)	3 5/8 (91)

Colors Available

Red	Gloss Black	Royal Blue	Electric Orange
PBO	**PC**	**PCM**	**PJK**

All KRA5000 and KRA4000 Series units are available in four standard colors.
Add suffix to base stock number for special colors.



KRA2063FPC

KRA2063F Series Drawer Sections

Cubic Inches (cm^3)	Square Inches (cm^2)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
1,792 (29,365)	1,124 (7,252)	70 (22)	94 (43)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	3	26 (660)	19 13/16 (503)	9 11/16 (246)
Drawers	3	21 3/8 (544)	17 9/16 (445)	1 5/8 (41)

Colors Available

Red	Gloss Black	Royal Blue
PBO	**PC**	**PCM**

All KRA2063 Series units are available in three standard colors.
Add suffix to base stock number for special colors.

KRA5012F Series Lockers

Cubic Inches (cm^3)	Square Inches (cm^2)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
10,177 (166,770)	1,480 (9,548)	115 (52)	145 (66)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	**4**	16 1/2 (419)	19 13/16 (503)	51 1/2 (1,308)
Drawers	**2**	11 3/16 (288)	17 9/16 (445)	1 5/8 (41)
	2	11 3/16 (288)	17 9/16 (445)	3 5/8 (92)
Shelves	**3**	12 3/8 (315)	18 3/4 (475)	11 3/4 (297)

Colors Available

Red	Gloss Black	Royal Blue	Electric Orange
PBO	**PC**	**PCM**	**PJK**

All KRA5000 and KRA4000 Series units are available in four standard colors.

Add suffix to base stock number for special colors.



KRA5012FPBO

END CABINETS

KRA4820F Series End Cabinets

Cubic Inches (cm^3)	Square Inches (cm^2)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
5,094 (83,476)	1,174 (7,574)	117 (53)	147 (67)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	**6**	16 1/2 (419)	19 13/16 (503)	32 1/8 (815)
Drawers	**2**	11 1/8 (283)	17 9/16 (445)	1 9/16 (39.7)
	3	11 1/8 (283)	17 9/16 (445)	3 1/2 (88.9)
	1	11 1/8 (283)	17 9/16 (445)	11 3/4 (297)



KRA4820FPC

KRA4830F Series End Cabinets

Cubic Inches (cm^3)	Square Inches (cm^2)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
8,426 (138,080)	843 (5,439)	76 (35)	97 (44)

	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	16 1/2 (419)	19 13/16 (503)	32 5/16 (820)
Shelves 2	15 1/16 (381)	18 5/8 (473)	—
Lower Compartment 1	15 1/16 (381)	18 5/8 (473)	—

Colors Available

Red	Gloss Black	Royal Blue	Electric Orange
PBO	**PC**	**PCM**	**PJK**

All KRA5000 and KRA4000 Series units are available in four standard colors.

Add suffix to base stock number for special colors.



KRA4830FPBO

⚠WARNING

- Secure end cab to roll cab per instructions
- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

DURABILITY. IN MOTION.

Wherever you go, Snap-on has the perfect tool storage solution to take along. With over a dozen options, Snap-on® Mobile Solutions are strong, safe and ready to roll. Stranded? That's something you'll never have to worry about again.

Mobility — Heavy Duty EPIQ SideKIQ™ has 7"x2" ISO-ride® casters to navigate rough floors and gravel. 40" carts use 6"x2" monoprene soft vibration-resistant casters to overcome small obstacles.

Safety — Lockable wheels, bumpers, rolled drawer edges, radiused corners and fully welded designs keep you and your shop damage-free.

HEAVY DUTY SOLUTIONS FOR ANY SIZE JOB.

From the basic two-tray cart to the EPIQ *SideKIQ,* Snap-on and Blue-Point® carts have you covered.

EPIQ *SideKIQ* — The ultimate high-capacity mobile unit has a lid that can hold up to 500 lb.

Lock-n-Roll® or InPulse™ Drawers — *Snap-on* carts feature high-capacity drawers that hold more tools and will not drift open. Drawer slides can be added to double drawer capacity.

Lid Selection — Many of *Snap-on's* larger carts allow you to choose from traditional, sliding stainless, or bed liner-coated lids to meet any and every need.



KRSC100A Series Mobile WorkStations

Cubic Inches (cm³)	Square Inches (cm²)		Net Weight, lb (kg)		Load Capacity, lb (kg)
7,943 (130,162)	2,362 (15,238)		320 (145)		2,000 (907)
	Drawers	Width, inches (mm)	Depth, inches (mm)		Height, inches (mm)
Specifications	2	38 (965)	26 (660)		43 5/16 (1,100)
Drawers	1	30 1/16 (768)	24 (609)		6 3/16 (157)
	1	30 1/16 (768)	24 (609)		3 15/16 (100)
Bottom Tray	1	35 (889)	26 (660)		3/4 (19)

KRSC100A Series Mobile WorkStations

- Each unit holds 1 ton (2,000 lb), fully welded body
- 8" semi-soft swivel-lock casters, extra heavy duty weight capacity will go over obstacles that stop ordinary carts
- Optional convenience drawer large enough for short-term storage of work-in-progress parts
- 1,000 lb capacity, 38" x 26" top work surface (stainless-steel) has raised edge all the way around
- 4" and 6" InPulse™ drawers retain up to 20x the weight of standard detents without drifting open
- Vertical bumper system with soft edges
- Large diameter handle with stainless-steel grip



KRSC100APBO

Colors Available



Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Extreme Green	Electric Orange	Arctic Silver	Flat Black w/Blk Trim
PBO	PC	PCM	PDG	PES	PJJ	PJK	PKS	POT

KRSC100A Optional Accessories

Stock No.	Description
100W16S	6" optional (non-locking) bottom convenience drawer for KRSC100A (Add proper color suffix)
KASR12APV	Screwdriver rack
KAT12APV	12" Can holder
KAPR24PVB	Pry bar rack
KAS12PWRPV	Power tool rack (Holds 3 power tools)
KAHK63	6" Extended hook
KAHCK33	3" Curved hook
KAHLK33	3" Loop
KALS15	Laptop shelf 15"

ROLL CARTS

KEMN361A Series SideKIQ EPIQ Roll Cart

Cubic Inches (cm³)	Square Inches (cm²)		Net Weight, lb (kg)		Load Capacity, lb (kg)	
26,023 (426,644)	6,004 (37,735)		498 (227)		2,000 (907)	
	Width		Depth		Height	
Drawers	inches	mm	inches	mm	inches	mm
2	30 1/16	764	27 1/2	699	1 11/16	43
3	30 1/16	764	27 1/2	699	3 15/16	100
1	30 1/16	764	27 1/2	699	6 3/16	157
Top Compartment	36	914	29	717	8	203
Overall	37	940	30	762	48 3/8	1229
Six Total Drawers						

KEMN361A Series Roll Carts

- 37" inches wide and 30" inches deep – super capacity in a maneuverable footprint
- Same 48" height as EPIQ Roll Cab
- 8" deep top compartment for large pry bars, chargers, diagnostics, etc.
- Four 7" ISO-Ride® casters all swivel – or they can be locked into rigid position when desired
- *ISO-Ride* torsion puck system
- Casters are designed to carry 2,000 lb each
- *InPulse* drawer retention system
- Six heavy duty drawers hold 227 lb per drawer
- Radiused trim and inset drawers – no sharp corners



KEMN361APBO

Colors Available



Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Arctic Silver	Flat Black Blk Trim	White	Flat Blue Blk Trim
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	PKS	POT	PU	PWL



- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

MOBILE SOLUTIONS: ROLL CARTS



KRSC246PCM1

KRSC246PDO7

Colors Available

	Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Extreme Green	Electric Orange	Flat Black w/Blk Trim
Stainless:	PBO1	PC1	PCM1	PDG1	PES1	PJJ1	PJK1	POT1
Bed Liner:	PN7	PFI7	PET7	PQD7	PDO7	PKG7	PKH7	POT7



KRSC46GPES

Colors Available

Red	Gloss Black	Royal Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Midnight Blue	Flat Black w/Blk Trim
PBO	PC	PCM	PES	PJH	PJJ	PJK	PDG	POT

KRSC246 Series Roll Carts

Specifications	KRSC246 Series
Cubic Inches (cm³)	21,979 (360,171)
Square Inches (cm²)	4,880 (31,483)
Width, inches (mm)	36 (914)
Height, inches (mm)	46 (1,168)
Depth, inches (mm)	24 (610)
Load Capacity, lb (kg)	2,400 (1,089)
Lid Capacity, lb (kg)	150 (68)
Drawers	6
Casters	6" x 2"
Net Weight, lb (kg)	318 (144)
Shipping Weight, lb (kg)	373 (172)

KRSC246 Series Roll Carts

- Unit is 24" deep for the most storage capacity
- Lockable top section is 7" deep, allowing you to lock up work in process
- Top section also provides openings to vertically store pry bars and extensions up to 36" (914 mm) long
- Welded cart body yields lasting strength
- Choose from two durable flip-lid materials: stainless-steel or truck bed liner
- Bumpers have a hard interior yet a soft exterior to reduce damage to other objects
- Six drawers: two 2" deep; two 4" deep; and two 6" deep
- Four monoprene casters for better maneuverability and less vibration

KRSC46G Series Roll Cart

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Load Capacity, lb (kg)
20,783 (340,572)	4,392 (28,335)	265 (120)	2400 (1089)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	6	40 (1,029)	20 (508)	46 (1,168)
Drawers	5	34 3/4 (882)	17 1/2 (444)	3 5/8 (92)
	1	34 3/4 (882)	17 1/2 (444)	7 5/8 (193)
Top Compartment	—	39 13/16 (1,011)	18 13/16 (478)	7 (178)

KRSC46G Series Roll Carts

- The one-piece fully welded body is designed for maximum strength
- Inherent strength for storage capacity found only in the best tool storage cabinets
- Switch out one of the 4" drawers and the 8" drawer and add a 12" drawer
- 7" top compartment uses nonslip liner internally to accommodate heavy tools and parts
- Top compartment will also store battery charger and can be used as a charging station while locked
- Drawers are 36" wide. Drawer capacity: 100 lb per drawer; up to 200 lb with double slide
- Stronger lock and cam – round key lock for interchangeability and larger cam for security
- Accessory panels can be added to both sides providing slot pattern for accessories, and accommodates KAPS4 Power Strip and 6007K0120PV Cord Wrap with no extra drilling
- Also accommodates the KRA4830 End Cab (KRSC404APV adaptor panel required)
- Snap-on® paint and steel standards using the same paint and steel as *Snap-on* toolboxes
- *Snap-on* KRA-with LOCK 'N ROLL® drawers will not drift open when rolling
- *Snap-on* Warranty – the *Snap-on* lifetime warranty on all parts
- Thoroughly tested with rigorous bump track testing has proven the *Snap-on* cart lasts longer
- Optional JKRR46GW55 – Rubber Top Mat (not included)

KRSC43 Series Roll Carts

Specifications	KRSC43 Series
Cubic Inches (cm³)	20,783 (340,572)
Square Inches (cm²)	4,392 (28,335)
Width, inches (mm)	40 (1,016)
Height, inches (mm)	46 (1,168)
Depth, inches (mm)	20 (508)
Load Capacity, lb (kg)	2,400 (1,089)
Lid Capacity, lb (kg)	120 (54) each side
Drawers	6
Casters	6" x 2"
Net Weight, lb (kg)	262 (112)
Shipping Weight, lb (kg)	312 (135)



KRSC43PJJ

KRSC43 Series Roll Carts

- Features a split top that slides out from the center to provide total access to a generous 7" deep top compartment
- Cart body is entirely welded double-wall design, not bolted, for lasting strength – spot welds 3"–4" apart
- Rolled edges and a rear flange on drawers provide a solid feel to drawers under load
- Two shot-molded rubber/nylon corner bumpers protect nearby objects and provide long-lasting brand identification and professional appearance
- Full-length two-point locking lid and separate manual rear lock rod for drawers – more secure than single-point lock used by many other manufacturers

Colors Available

	Red	Gloss Black	Royal Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Midnight Blue	Flat Black w/Blk Trim
Stainless:	PBO1	PC1	PCM1	PES1	PJH1	PJJ1	PJK1	PDG1	POT1
Bed Liner:	PN7	PF17	PET7	PDO7	PPS7	PKG7	PKH7	PQD7	POT7

KRSC46G & KRSC43 Series Roll Cart Accessories

- Create the ultimate shop cart
- Easier to customize than any shop cart in the industry

Stock No.	Description
KAPR17	Prybar Rack (available in nine colors)
KRA412F*	Folding side shelf
KRA4830F*	End cab. Comes equipped with adjustable shelves; optional drawers can also be added
KACSC40PC	Protective nylon cover (black 200 Denier® nylon)
KRSC404APV	Accessory mounting/adaptor panel; also used to mount end cab
6007K0120PV*	Cord wrap
KAS12APV*	12" flat shelf
KAT12APV*	12" can rack: 12" wide, 3" deep
KEWLEDFLEXL	Rechargeable LED flexible long neck work light (magnetic base)

*Requires KRSC404APV adaptor panel

KRSC326F Series Compact Roll Cart

Cubic Inches (cm³)	Square Inches (cm²)		Net Weight, lb (kg)	Load Capacity, lb (kg)
16,847 (276,073)	3,533 (22,794)		157 (71.2)	1,200 (544)
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	6	32 11/16 (830)	20 1/2 (520)	43 (1,092)
Drawers	5	27 1/8 (689)	17 1/2 (445)	3 5/8 (92)
	1	27 1/8 (689)	17 1/2 (445)	7 5/8 (193)
Top Compartment	—	32 (812)	18 13/16 (478)	6 11/16 (170)



KRSC326FPBO

KRSC326F Roll Cart

- Similar features to KRSC46G
- More compact width and four swivel casters

Colors Available

	Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Flat Black w/Blk Trim
	PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	POT

⚠WARNING

- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

MOBILE SOLUTIONS: ROLL CARTS



KRSC33APC

KRSC33A Series Roll Carts

Cubic Inches (cm³)	Square Inches (cm²)		Net Weight, lb (kg)	Load Capacity, lb (kg)
9,591 (157,168)	2,110 (13,613)		157 (71.2)	600 (272)
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	3	32 9/16 (827.1)	20 1/2 (520.7)	43 5/16 (1,100)
Top Compartment	—	32 (812.8)	19 1/8 (485.8)	6 1/2 (165.1)

KRSC33A Series Roll Carts
- Entirely welded body and legs for super strength versus bolt-together units
- 27" locking drawers
- Large top compartment
- 5" x 2" swivel casters, factory installed
- Factory assembled, welded tray and leg assembly
- Slots 'N Dots™ side panels for mounting accessories

KRSC312FPV Optional Side Shelf, Textured Black

Colors Available



Red	Gloss Black	Royal Blue	Midnight Blue	Ultra Yellow	Candy Apple Red	Extreme Green	Electric Orange	Flat Black w/Blk Trim
PBO	PC	PCM	PDG	PES	PJH	PJJ	PJK	POT



KRBC60T

KRBC60T Welding WorkStation Cart

Cubic Inches (cm³)	Square Inches (cm²)		Net Weight, lb (kg)	Load Capacity, lb (kg)
19,804	1,949		295 lb	1,000 (453)
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	3	50 3/4 (1,289)	25 3/4 (654)	37 1/2 (352)
Top Compartment	—	26 (660.4)	19 1/8 (485.8)	6 1/2 (165.1)

KRBC60T Welding WorkStation Cart
- 3/8" plate steel work surface
- Four dual-purpose mounting locations serve as accessory mount and wand holder
- HD textured black matte finish
- Large locking compartment stores two welders
- *Slots 'N Dots* rear panel accommodates many accessories
- Three drawers with liners and high quality roller bearing slides
- Three large cord hooks included – extra hook kits available



KRP1HD

KRP1HD Polymer Roll Cart

	Net Weight, lb (kg)		Load Capacity, lb (kg)	
	37 (16.8)		320 (145)	
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	1	43 (1,092)	21 3/4 (552)	38 1/2 (978)
Top Tray	1	43 (1,092)	21 3/4 (552)	3 3/16 (80.9)
Bottom Tray	1	43 (1,092)	21 3/4 (552)	2 13/16 (71.4)

KRP1HD Polymer Roll Cart
- Heavy duty polymer construction will not scratch painted surfaces, will not corrode and is non-conductive
- Top slides in either direction to reveal storage compartment and work surface underneath
- Built-in tool holders in handles accept wide variety of screwdrivers, small prybars, pliers and other small to medium hand tools
- Drain plugs in both upper and lower trays facilitate cleanup
- Red trays with gray lid and legs
- Locking swivel casters
- Each tray has 160 lb (73 kg) load capacity

KRA6200F/KRA6210F Series Road Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
11,937 (195,612)	3,460 (22,323)	282 (128)*	325 (147)*

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	4	36 (914)	24 (610)	24 (610)
Drawers	2	30 1/2 (775)	21 3/4 (552)	1 3/4 (44)
	2	30 1/2 (775)	21 3/4 (552)	3 5/8 (92)
Top Compartment	—	34 7/8 (885)	22 1/2 (571)	5 1/2 (139)

*Add 25 lb for cage on KRA6200F

KRA6200F/KRA6210F Series Road Chest

- Wider side walls with added corner gussets to keep corners square
- Three stiffeners behind front cover with inside padding: strengthens cover and protects drawers
- Cover and front are hinged together for quick and easy access to all tools
- Overlap on lid allows water to flow past without entering the front section
- Handles on KRA6210F Series provide easier lifting (Handle 8 – 3533, add color suffix)
- Three friction hinges keep the front cover from slamming

KRA6200FPBO



KRA6210FPBO



Optional Waterproof Covers

KRA6200	KAC6200 (Red)	KAC6200PC (Black)
KRA6210	KAC6210 (Red)	KAC6210PC (Black)

KADDS2404 – Optional 4" steel drawer divider set
KADDS2402 – Optional 2" steel drawer divider set

Colors Available



Red	Gloss Black	Royal Blue	Green Mica	Electric Orange	Tractor Green	Candy Apple w/ Black Trim
PBO	PC	PCM	PAW	PJK	PLP	PPS

KRA60B Series Heavy Duty Road Chests

Specifications	KRA60B Series
Cubic Inches (cm³)	5,343 (87,556)
Square Inches (cm²)	1,939 (12,509)
Width, inches (mm)	26 (660)
Height, inches (mm)	19 5/16 (491)
Depth, inches (mm)	16 7/8 (428)
Load Capacity, lb (kg)	500 (220)
Drawers	8
Net Weight, lb (kg)	120 (54)
Shipping Weight, lb (kg)	155 (70)

KRA60B Series Heavy Duty Road Chests

- Deeper drawers, over 15" front to back, holds more tools required for service
- 5" deep narrow drawer and 5" deep top compartment holds power tools and deep sockets
- Friction-style drawer slides for optimal use in dusty, gritty environments
- Protective cover and drop front for quick access to top compartment and drawers
- Lid (cover/front) is rigid enough for repeated heavy use and keeps its shape due to a unique full length lid stiffener, which is welded to the sides for optimal rigidity
- The front section of the cover contains a backing plate to reduce flex
- Safety lock on cover keeps cover in position when open
- Two full-length piano hinges help to position the cover with little effort
- Class 1 heavy gauge steel is used throughout – spot welds 3"–4" apart
- Full width double-wall construction supports loaded drawers
- Rolled edges and a rear flange on drawers provide a solid feel to drawers under load
- Plastic bumper tops for quiet closing and protection
- Full length, two-point lock rod secures both sides – more secure than single point lock used by many other manufacturers

KRC20 Nylon Cover

- Protective nylon cover for KRA60B Series Heavy Duty road chests



KRA60BPCM

Colors Available



Red	Gloss Black	Royal Blue
	PC	PCM

WARNING



- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

MOBILE SOLUTIONS: ROAD CHEST



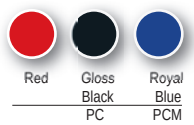
KRA62D

KRA62D Heavy Duty Road Chest

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)	Load Capacity, lb (kg)
8,187 (134,160)	3,108 (20,050)	178 (81)	450 (204)

	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	10	31 3/32 (789.8)	20 5/16 (515.9))	21 7/32 (539)
Top Compartment	—	26 (660.4)	19 1/8 (485.8)	6 1/2 (165.1)

Colors Available



MOBILE TOOL CHEST





KMC18043NOR



KMC18A062NTN

All Weather Mobile Tool Chest

- 22.1" wheel base on the wide corners for stability
- Innovative four-bar latch system for secure lid closure
- Telescoping handle with higher reach
- Over top hinged lid can be used as a seat when case is closed
- Drawers fully extend on Snap-on® proprietary composite slides
- Usable space interior dimensions: 21.2" W x 11.9" D x 15.4" H
- 4,130 cubic inches of internal space
- Heavy duty butterfly hinges
- Auto pressure equalization valve
- Large side handles that may be gripped with two hands
- Configurable drawers; interchangeable with other mobile tool chests
- Heavy duty roll cage ribs; durable, shock-resistant material
- Stackable design even when fully loaded
- *Snap-on* padlock holder with 250 lb of break-in resistance
- Water resistant when submerged to one meter
- Case material made with Zerust® corrosion inhibitor to help prevent tools from rusting
- Net weight 44 lb (20 kg)

	Drawers	Color
KMC18043NBK	7	Black
KMC18043NGR	7	Green
KMC18043NOR	7	Orange
KMC18043NTN	7	Tan
KMC18062NBK	8	Black
KMC18062NGR	8	Green
KMC18062NOR	8	Orange
KMC18062NTN	8	Tan

Optional Accessories:

TCK18043BR Tool Control Kit. For seven-drawer units only.

JIKMC18-7NS Nonslip Drawer Liner Kit. For seven-drawer units only.



TB50W

Soft-Sided Tool Bag with Wheels and a Telescoping Handle

TB50W Soft-Sided Tool Bag

- Multiple pockets inside and outside, to store a multitude of smaller items
- Large gate mouth opening to store larger items and for easy access
- Made of durable 1680 Denier® oxford nylon fabric, for strength and durability
- Telescoping handle with wheels, to roll rather than carry the bag
- Dimensions – 20" W x 12" H x 12" D

Aviation Dog Boxes

Aviation technicians told us what they need. And we listened. Snap-on® is excited to introduce this new line of rolling toolboxes with convenient hand-tow handles. Available in three sizes, these dog boxes let you load up the tools you need for a specific task and comfortably wheel them across the tarmac, from hangar to hangar, through the terminal or on a plane.

Interchangeable Handles
- Small and medium dog boxes feature an interchangeable hard steel wagon-style handle that keeps the box from wandering or nipping at your heels, or a soft nylon leash so you can choose the hand-tow handle that best fits your needs
- Handles can be quickly installed or changed with the wire lock pin

Deluxe Wagon-Style Handle
- The large dog boxes feature a deluxe hard steel wagon-style handle that is easy to steer and easy to control
- The swivel feature allows for a comfortable pulling position while the spring-loaded action keeps the handle in the upright position when the box is at rest

Hinged And Foldable Top
- Both large dog boxes feature a front lid that folds up and under the top lid to create a convenient, flat work surface, while still allowing access to the drawers
- When fully closed, the hinged cover lets you keep the drawers and box securely locked

Removable Chassis
- Each dog box can be removed from the rolling chassis with convenient lifting handles to allow for stationary storage on a bench or roll cab for easy accessibility

Rubber Wheels
- All models feature rubber caster wheels for a smooth and quiet ride along with maximum shock absorption
- Wheels can also be locked for safety









Specification	KRDB265	KRDB269	KRDB18	KRDB24
Brand	*Snap-on*	*Snap-on*	Blue-Point®	*Blue-Point*
Description	Dog Box Large, 5-Drawer Wheeled Tool Box	Dog Box Large, 9-Drawer Wheeled Tool Box	Dog Box Small, Wheeled Tool Box	Dog Box Medium, Wheeled Tool Box
Storage Space (Cubic Inches)	4,452	4,288	1,530	2,540
Storage Space (Square Inches)	1,814	1,753	525	670
Number of Trays	—	—	4	4
Number of Drawers	5 full length	3 full length 6 compartment	—	—
Cantilever, Split-Top Opening	—	—	Yes	Yes
Flat Work Top	Yes	Yes	—	—
Pull Handle*	Deluxe hard steel wagon handle with soft grip	Deluxe hard steel wagon handle with soft grip	Interchangeable hard steel wagon handle or soft nylon leash	Interchangeable hard steel wagon handle or soft nylon leash
Carrying Handle	No	No	Yes	Yes
Rubber Wheels	Yes	Yes	Yes	Yes
Removable Chassis	Yes	Yes	Yes	Yes
Length, inches (mm)	26 (660)	26 (660)	18 (457)	24 (610)
Width, inches (mm)	14 3/4 (375)	14 3/4 (375)	10 (254)	12 (305)
Height, inches (mm)	17 1/4 (438)	17 1/4 (438)	13 1/4 (349)	12 (305)
Weight, lb (kg)	103 (47)	103 (47)	32 (14)	55 (25)

*Designed to be pulled by hand

Already own a *Snap-on* toolbox? Add a rolling chassis to create your own dog box.
DB18CHASSIS: 18" Chassis with interchangeable hard and soft handles
DB24CHASSIS: 24" Chassis with interchangeable hard and soft handles
DB26CHASSIS: 26" Chassis hard handle only



- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

MOBILE SOLUTIONS: ROLL CARTS Blue-Point®



KRBC50TPC

KRBC50T Series Roll Carts

Specifications	KRBC50T Series
Cubic Inches (cm³)	17,935 (293,902)
Square Inches (cm²)	7,878 (50,826)
Width, inches (mm)	36 (965)
Height, inches (mm)	42 (1,071)
Depth, inches (mm)	22.4 (569)
Load Capacity, lb (kg)	705 (319)
Drawers	5
Casters	6" x 2"
Net Weight, lb (kg)	180 (81.6)
Shipping Weight, lb (kg)	216 (98)

KRBC50T Series Roll Carts

- New cart locking system for theft protection
- Heavy duty cart push handle
- Roll-off pallet design for easy customer delivery
- 6" x 2" heavy duty casters (brakes on two of the casters)
- Rugged one-piece bumper guards
- Retractable side work table
- Longer drawer handles
- Can holder
- Prybar and tool holders on each side of cart

Colors Available





KRBC30TBPCM

KRBC30TB Series Roll Carts

Cubic Inches (cm³)	Square Inches (cm²)		Net Weight, lb (kg)	Load Capacity, lb (kg)
11,050	2,153 (13,890)		180 (81.5)	800 (362)
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	4	35 (889)	21 (533)	41 1/4 (1,048)
Top Compartment	—	24 (610)	20"	6"

KRBC30TB Series Roll Carts

- Portable 20' electrical cord reel with four outlets and circuit breakers
- Adjustable personal organizer tray in top compartment (3" deep x 24" wide x 1.5" high)
- One-piece rubber bumper for each leg (already installed)
- Bottom corner bump blocks for extra corner protection
- Sturdy, spacious bottom drawer with two sets of drawer slides
- Larger pull handles for easy drawer opening
- Heavy duty padded handle
- Removable garbage can
- Sturdy side work table
- Removable spray can holder
- Comes with casters assembled on cart

Colors Available





KRBC10TBPC

KRBC10TB Series Roll Carts

	Cubic inches (cm³)	Square inches (cm²)	Load Capacity, lb (kg)
	7,428 (121,700)	2,400 (15,480)	540 (245)
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	4	30 1/2 (775)	20 1/2 (520)	41 1/4 (1,048)
Drawers	2	11 1/2 (292)	17 1/2 (444)	2 1/2 (63.5)
	1	24 1/2 (622)	17 1/2 (444)	2 1/2 (63.5)
	1	24 1/2 (622)	17 1/2 (444)	2 1/2 (63.5)
Bottom Shelf	2	30 (762)	19 (482)	3 1/2 (88.9)
Top Compartment	—	30 (762)	19 (482)	2 1/2 (63.5)
External Tray (rear)	—	15 3/8 (390)	4 (101)	3 3/8 (85.9)
External Tray (front)	—	15 3/8 (390)	4 (101)	2 (50.8)

BPNCVR10T Roll Cart Cover. Fits all KRBC10T, KRBC9T and KRBC30T series roll carts. Protects cart from dirty shop conditions. High quality 210 Denier® nylon. Sturdy zipper makes using the cover quick and easy. Waterproof and durable.

KRBC10TB Series Roll Carts

- Plated fasteners resist corrosion and self-locking nuts assure a rigid, secure assembly
- Locking support tabs add strength, increase load capacity and facilitate quick assembly
- Made from heavy gauge steel for superior strength
- Retractable side work table
- Protective rubber bumpers
- Comes with casters assembled

Colors Available



KRBCSST Series Roll Carts

- Padded lid protects finish and provides additional work surface
- Roller bearing slide drawers, locking slide top and internal prybar holder
- Dual locking casters keep cart in place during use
- Convenient storage trays on both sides

Cubic Inches (cm³)	Square Inches (cm²)		Net Weight, lb (kg)	Load Capacity, lb (kg)
15,931 (261,062)	1,618 (26,514)		23.5 (56)	300 (136)
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	2	29 7/16 (747)	20 5/8 (524)	38 11/16 (982)
Top Compartment	—	29 7/16 (747)	20 5/8 (524)	6 13/16 (171)
Drawers	2	29 5/16 (744)	17 1/2 (444)	2 3/4 (69)
Bottom Compartment		29 5/16 (744)	17 1/2 (444)	3 (75.9)

BPNCVRSST Roll Cart Cover Fits all KRBCSST series roll carts. Protects cart from dirty shop conditions. High quality 210 Denier® nylon. Sturdy zipper makes using the cover quick and easy. Waterproof and durable.



KRBCSST

Colors Available



Red	Gloss Black PC	Royal Blue PCM	Ultra Yellow PES

KRBC7TD Series Roll Carts

- 4" zinc-plated casters (two locking, two swivel)
- Six liners on drawer and tray, and one rubber mat for side work shelf
- Latch system to unlock all four drawers once the top lid has been opened with a key
- Gas springs on lid for greater control
- Folding side work shelf provides extra work space
- Locking flip-top lid with full length piano hinge
- Locking prybar compartment securely holds all length prybars and screwdrivers

	Net Weight, lb (kg)		Load Capacity, lb (kg)	
	112.2 (50.8)		300 (136)	
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	4	35 (889)	17 (431)	41 (1,041)
Drawers	2	13 13/16 (350)	15 3/8 (398)	2 (50.8)
	1	27 9/16 (700)	15 7/16 (391)	2 (50.8)
	1	27 9/16 (700)	15 7/16 (391)	4 (101)
Bottom Shelf	1	27 9/16 (700)	15 7/16 (391)	3 (76.2)



KRBC7TDPCM

Colors Available



Red	Gloss Black PC	Royal Blue PCM	Ultra Yellow PES	Extreme Green PJJ	Electric Orange PJK

⚠WARNING



- Do not open multiple drawers
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- Read safety precautions on pages W1 to W4

MOBILE SOLUTIONS ROLL CARTS Blue-Point®



KRBC2TC

Colors Available

Red | Gloss Black PC | Royal Blue PCM

KRBC2TC Series Roll Cart
- Rugged, general duty dual shelf roll cart
- Trays feature rolled edges for improved strength and rigidity
- Maximum load capacity 150 lb (68 kg) per tray
- Casters are 4" x 1 1/8" (two locking, two standard)

	Net Weight, lb (kg)		Load Capacity, lb (kg)	
	38 (17.2)		300 (136)	
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	—	30 (756)	17 (428)	36 1/4 (920)
Trays	2	30 (756)	17 (428)	3 (75)

KRBC3TD-1 Locking Drawer. Optional add-on locking drawer for KRBC2TC.

350ABMF09 Replacement Add-On Tray. For KRBC2TC/KRBC3TD.



KRBC3TDPC

Colors Available

Red | Gloss Black PC | Royal Blue PCM

KRBC3TD Roll Cart
- Features locking drawer with tubular lock for added tool security
- Two sturdy, 3" deep trays are positioned for convenience
- 150 lb (68 kg) load capacity per tray
- Made of heavy gauge steel
- 4" x 1 1/8" casters (two locking, two standard)

	Net Weight, lb (kg)		Load Capacity, lb (kg)	
	65 (29.4)		300 (136)	
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	—	30 (762)	17 (428)	36 1/4 (920)
Trays	2	30 (762)	17 (428)	3 (76.2)
Drawer	1	27 (685)	14 1/2 (368)	4 (101)

SERVICE TRAYS



SOSTPC

SOSTPC Automotive Service Tray (Matte Black)
- Leg clearance of 25" allows service tray to slide under hood from the front or side of vehicle
- Height-adjustable support post (36.5"–48.6") allows tray to clear fender or front end on most vehicles
- Removable parts tray and screwdriver holders built into the tray
- Protective bumpers included for the support post
- Maximum load capacity: Tray (125 lb), Drawer (25 lb)
- Large bottom storage basket
- Dimensions (fully assembled): 38" x 28 1/2" x 36 1/2"–48.6" (adj. ht.)



BLPUHST



BLPUHSTPC (matte black)

BLPUHST Under-Hood Service Tray
- Convenience with less user motion and fatigue
- 24" leg clearance allows the service tray to slide under the hood from the front or the side of vehicle
- Parts dividers and screwdriver holders built in the tray
- Protective bumpers included for top tray and support post
- 3" heavy duty swivel casters
- Height-adjustable support post adjusts from 35 13/16"–48 3/8" for the tray to clear the fender or front end of most vehicles
- EVA pads in all tray compartments
- Dimensions (fully assembled): 29 1/2" L x 26" W x 48 3/8" H
- Maximum load capacity: 75 lb (34 kg)

CUSTOMIZED STORAGE: THAT'S HOW WE ROLL.

Snap-on® tool storage units can be built just the way you like them: customized and personalized to fit your specific needs. Whether you require something practical, or something a little more tailor-made, we've got the storage for you.

Handle-mounted Laptop & Table Holders — Free up workspace, and provide the best keyboard position and viewing angles for your electronic equipment.

Carbon Fiber Drawer Guards — Made from real resin-infused carbon fiber; enhance the appearance while keeping drawer tops clean and protected.

Steel Drawer Guards — Stainless or powder-coated steel guards protect the front corners and drawers of a roll cab. Laser-cut Wrench "S" exposes paint beneath the guard.

Drawer Front — Drawer front covers are made from powder-coated steel and are available in a variety of colors. Cut-out Snap-on logo exposes paint beneath the drawer front.

LED Lights — Automatic WorkCenter lights, switch lights and colored decorative logo panels.



ACCESSORIES: BOXES AND TOTE TRAYS



YA481



YA483



YA486

Plastic Boxes (Blue-Point®)

Ideal for a wide range of storage needs. YA481 through YA486 are made of tough, injection-molded plastic to ensure a precise fitting lid and durability. Top carrying handle, tension latches, tote tray and padlock provision are also featured.

Stock No.	Dimensions, inches
YA481	14 1/2 W x 7 1/4 D x 4 1/2 H
YA482	16 1/2 W x 8 1/4 D x 6 1/2 H
YA483	20 1/4 W x 9 D x 7 3/4 H
YA484	23 1/8 W x 10 1/4 D x 10 1/2 H
YA486	27 1/2 W x 13 3/8 D x 14 H



KRP5CAB



KRP5PB



YA402

Parts Storage Cases

KRP5CAB Five-Drawer Storage Cabinet

- Use to store or inventory small tools and parts
- Black, heavy duty polypropylene cabinet with five removable drawers (KRP5PB)
- Each drawer features a translucent plastic divider system that allows full customization for individual needs
- Drawers are easily removable for transport to job location
- Units can be stacked or wall mounted
- Resistant to common solvents
- Cabinet dimensions are 15 1/2" W x 14 1/2" D x 16" H

KRP5PB Storage Drawer

- Plastic storage drawer for KRP5CAB parts storage cabinet
- Each drawer features 16 translucent section dividers for unlimited customizing options (KRP5PB-16 = 16 Dividers)
- Drawer measures 13 5/8" W x 9 5/8" D x 2 1/4" H

YA402 Parts Storage Case

- Interchangeable partitions allow customizing from 9–24 compartments
- Rugged polypropylene construction
- 14 5/8" W x 10 3/4" D x 2 5/16" H

YA485 Parts Storage Case

- Similar to YA402 except interchangeable partitions can form 8–32 compartments
- 18" x 12" x 3"

Plastic Boxes with Steel Drawers (F.O.D. Design)

- Portable tool chest designed specifically for Foreign Object Damage (F.O.D.) applications
- Accepts both magnetic and foam tool control systems for tool accountability
- 22 gauge steel drawers are interchangeable for custom configurations
- Standard drawer configuration includes four drawers measuring 7 7/8" x 19 9/32" x 1 7/8" and one drawer measuring 7 7/8" x 19 9/32" x 4"
- Molded polymer one-piece design (handle, latches, strap pins, hinges and lock clasp) minimizes potential loose pieces that could cause F.O.D.
- Molded recesses in outer case allow vertical and horizontal stacking
- Padded carrying strap for extra comfort
- 24" W x 10 5/32" D x 17 13/32" H; with capacities of 759 sq in and 1,760 cu in; weight 33 lb (capacity specifications listed are based on standard drawer configuration)

KRP825PCA Portable Tool Chest (F.O.D.)
Gray case and red drawers

KRP825PCC Portable Tool Chest (F.O.D.)
Red case and red drawers



KRP825PCA



KRP825PCC

Tote Trays

KTA3A Metal Tote Tray

- Tubular pull up handle lifts 1 5/8"
- Measures 20 1/4" x 8" x 3 1/4" with handle down

KTA8PV Metal Tote Tray

- Drops in any 14" wide (4" deep) drawers on KRL1000 and KRL700 series tool storage units
- Four non-skid rubber feet protect finished surfaces from scratching
- Raised lips hold tray securely in drawer
- Tubular pull up handle raises 1 3/4"
- Measures 10" W x 14 13/16" L x 3 13/16" H with handle down
- Black textured finish

KRP1001A Plastic Tote Tray

- Made of tough, rust-proof, nonconductive, chemical-resistant polymer
- Includes two deep end pockets
- Bottom drawer is divided into 12 compartments and can be opened from either side
- 16 5/8" x 10 1/4" x 6 7/8"



KTA3A



KTA8PV



KRP1001A

Wall Cabinet

KRA276D Wall Cabinet

- Snap-on® wall cabinets provide both security and inventory control
- Wall cabinet can be mounted to wall, stationary bench or roll cab
- Ruggedly built of heavy gauge steel for durability
- Theft-resistant cylinder locks and a two-point locking system provide protection for your tools
- Features PLEXIGLAS® door panels to permit checking tool inventory without opening doors
- Cabinet measures 33 7/8" x 24 3/4" x 6"



KRA276D



- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

ACCESSORIES: METAL BOXES



KRW184B



KRW185



KRA25D



KRW48C



UT22K



KRA21G



KRW182B



KRW183C



KRA24



KRU24B



KRU24GB

Stock No.	Cubic Inches (cm^3)	Square Inches (cm^2)	Dimensions, inches	Description/Features
KRW184B*	1,851 (30,330)	684 (4,413)	Overall: 20 19/32 x 8 1/2 x 14 1/4 Top 3 Drawers: 17 13/16 x 7 5/16 x 2 Bottom Drawer: 17 13/16 x 7 5/16 x 2 1/2	Four drawers lock when lid is closed. Tote tray not included. Net weight 25 lb
KRW185*	2,030 (33,266)	845 (5,452)	20 1/4 x 18 x 8 1/2	Five locking drawers and a top compartment. Drawers lock when lid is shut. Portable: weight empty is 27 lb
KRA25D	1,568 (25,690)	180 (1,161)	20 7/8 x 8 3/4 x 8 3/4	Includes KTA3A Partitioned Tote Tray
KRW48C*	1,530 (25,070)	476 (3,071)	18 x 10 x 13 1/4	Split top opening for tool access. Cantilever trays on either side of cover, carrying handle.
UT22K	1,444 (23,660)	525 (3,837)	Overall: 22 x 8 x 9 4 Small Trays: 22 x 4 x 2	Opens up to expose five storage trays; no trays to lift out, no drawers to open. One Large Tray: 22 x 8 x 9.
KRA21G	996 (16,320)	486 (3,135)	Bottom Drawer: 19 3/4 x 7 3/4 x 2 13/16	Includes KTA3A Partitioned Tote Tray. Net weight: 28 lb
KRW182B*	1,137 (18,630)	—	18 1/2 x 8 1/2 x 9 1/2	Net weight: 12.5 lb Shipping weight: 14.5 lb
KRW183C*	1,637 (26,830)	—	Overall: 20 19/32 x 8 1/2 x 12 Each Drawer: 17 13/16 x 7 5/16 x 2 1/2	Drawers lock when lid is closed. Net weight 20 lb
KRA24	1,155 (18,930)	154 (994)	19 7/8 x 7 3/4 x 7 1/2	Includes partitioned tote tray
KRU24B*	2,540 (41,623)	670 (4,322)	Bottom Section: 23 3/5 x 11 3/5 x 7 1/4	Lightweight, only 27 lb (12.3 kg). Four trays allow organization of smaller items.
KRU24GB*	2,540 (41,623)	670 (4,322)	Bottom Section: 23 3/5 x 11 3/5 x 7 1/4	Lightweight, only 27 lb (12.3 kg). Four trays allow organization of smaller items.

*Blue Point®



TB10A



TB20A



TB30



TB40



TB50



CTTOTEA



CTUTOTE



BPTOTE

Tote Bags

- Rugged, versatile tote bags are constructed from heavy duty 600 x 300 D-polyester
- Water-resistant PVC backing
- Reinforced top hem
- Wide top opening for easy access
- Padded handles and shoulder strap
- Embroidered logos

TB10A Collapsible Tote Bag

- Folds flat for convenient storage using Velcro® with metal snap corner closures
- Multiple interior and exterior pockets
- Fold-down interior bin dividers
- Molded plastic bottom for strength
- Overall dimensions: 18" L x 8" W x 9" D

TB20A Tote Bag

- Multiple interior and exterior pockets
- Removable plastic parts storage bin accessed via lower side storage pocket
- Overall dimensions: 15" L x 10 1/2" W x 12" H

TB30 Tote Bag

- Ultimate small tool organizer
- Multi-organizing pockets
- Heavy duty zippers
- Overall dimensions 13" x 10" x 8"

TB40 Tote Bag

- Lots of cargo space for air tools, etc.
- Heavy duty shoulder strap
- Overall dimensions 17" x 9" x 11"

TB50 Tote Bag

- Multi-pockets inside and out
- Easy grip handle
- Special hard body design
- Overall dimensions 20" x 11" x 9"

CTTOTEA Power Tool Tote Bag

- Wide opening for easy access to tools, extra padding for protection
- Durable 600 Denier® outside for strength
- Interior pockets and compartments for tool organization
- Padded handles for comfortable transport
- Reinforced bottom for strength
- Six external pockets for extra storage
- Approximate inside dimensions, open: 18" L x 8" W x 11 1/2" D

CTUTOTE Power Tool Mini Tote Bag

- Wide opening for easy access to your tools
- Durable 600 *Denier* nylon outside for strength
- Pockets and compartments for tool organization
- Padded handles for comfortable transport
- Reinforced bottom for strength
- Heavy duty industrial zipper
- 12" L x 10" D x 10" W

BPTOTE Tote Bag (Blue-Point®)

- Heavy duty 600 x 300 D polyester
- Water resistant, rugged and versatile
- Wide top opening for easy access
- Multiple interior and external pockets for organization
- Overall dimensions: 16 1/2" L x 10 1/2" W x 12 1/4" H

⚠WARNING

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ACCESSORIES: WORK SURFACES



KRSST761B

Stainless-Steel Work Surfaces

Stainless-steel tops turn roll cabs into moveable work benches. Constructed from high grade, 16 gauge 304 stainless-steel. Raised front lip keeps sockets and parts from rolling off. Tops are 1 7/8" thick.

Stock No.	Applications	Width, inches	Depth, inches
KWSN3010AST	KEXN603A EPIQ Roll Cab	120	30
KWSN3012AST	KEXN725A/KEXP725A EPIQ Roll Cabs	144	30
KWSN3030AST	KEBN301A EPIQ End Cabinet	30	30
KWSN3060BST	EPIQ Series Roll Cabs	60	30
KWSN3068BST	EPIQ Series Roll Cabs	68	30
KWSN3076BST	EPIQ Series Roll Cabs	76	30
KWSN3084BST	EPIQ Series Roll Cabs	84	30
KWSP3060BST	PowerTop™ for EPIQ Series Roll Cabs	60	30
KWSP3068BST	*PowerTop* for EPIQ Series Roll Cabs	68	30
KWSP3076BST	*PowerTop* for EPIQ Series Roll Cabs	76	30
KWSP3084BST	*PowerTop* for EPIQ Series Roll Cabs	84	30
KWSH3076BST	PowerHouse™ Top for EPIQ Series Roll Cabs	76	30
KWSH3084BST	*PowerHouse* Top for EPIQ Series Roll Cabs	84	30
KRSST1001B	KRL1022/KRL7022 Roll Cabs	54 3/16	28 15/16
KRSST7003B	KRL1163/KRL1023/KRL1032/KRL1033/KRL7023 Roll Cabs	72 13/16	28 15/16
KRSST7001	KRL1056 Roll Cabs	35 9/16	28 15/16
KRSST761B	KRL722 Roll Cabs	54 3/16	23 7/8
KRSST756	KRL756 Series Roll Cabs	35 9/16	23 7/8
KRSST7011	KRL7011/KRL7015/KRL1011/KRL1015 End Cabs	19 7/8	28 15/16
KRSST711	KRL711/KRL715 End Cabs	19 7/8	23 7/8
KRSST40F	KRA Series 40" Roll Cabs, Square Corner	39 3/4	19 1/2
KRSST4107	KRA Series 40" Roll Cabs with Rounded Corners	39 3/4	19 1/2
KRSST2418	KRA2423/KRA2418/KRA2432/KRA2496 Roll Cabs	73 3/8	23 11/16
KRSST2411	KRA2411/KRA2422 Roll Cabs	54 3/4	23 11/16
KRSST2406	KRA2406/KRA2406A End Cabs	20	23 7/8
KRSST2407	KRA2407 Roll Cabs	35 7/8	23 11/16
KRSST5300	KRA5318/KRA5311 Roll Cabs	53 1/16	19 1/2
KRSST4008	KRA4008/KRA2007 Roll Cabs	26	19 1/2



KRWT7002A

Hardwood Tops

Northern hard maple butcher block tops allow roll cabs to double as full-length workbenches. Tops are 1 3/4" thick.

Stock No.	Applications	Width, inches	Depth, inches
KWSN3010AWT	KEXN603A EPIQ Roll Cab	120	30
KWSN3060AWT	EPIQ Series Roll Cabs	60	30
KWSN3012AWT	KEXN725A/KEXP725A EPIQ Roll Cabs	144	30
KWSN3030AWT	KEBN301A EPIQ End Cabinet	30	30
KWSN3068AWT	EPIQ Series Roll Cabs	68	30
KWSN3076AWT	EPIQ Series Roll Cabs	76	30
KWSN3084AWT	EPIQ Series Roll Cabs	84	30
KRWT7002A	KRL1022/KRL7022 Roll Cabs	53 11/16	27 5/8
KRWT7003A	KRL1023/KRL1032/KRL1033/KRL7023 Roll Cabs	72 5/16	27 5/8
KRWT7001A	KRL1056 Roll Cabs	35 1/8	27 5/8
KRWT761B	KRL722 Roll Cabs	53 3/4	22 9/16
KRWT756A	KRL756 Roll Cabs	35 1/8	22 9/16
KRWT7011A	KRL7011/KRL7015/KTL1011/KRL1015 End Cabs	19 5/16	27 5/8
KRWT711A	KRL711/KRL715 End Cabs	19 5/16	22 5/8
KRWT5000A	KRA5213/KRA5319/KRA2306/KRA2300 Series Roll Cabs (Rounded)	53 1/16	19 7/16
KRWT4800B	KRA4107/KRA4813 Roll Cabs (Rounded)	39 3/4	19 7/16
KRWT2411	KRA2422/KRA2411 Roll Cabs	54 3/4	23 11/16
KRWT2418	KRA2423/KRA2418/KRA2432/KRA2496 Roll Cabs	73 3/8	23 11/16
KRWT2407	KRA2407 Roll Cabs	35 7/8	23 11/16
KRWT26F	KRA4008F/KRA2007F Square Corner	26	19 7/16
KRWT40F	40" Roll Cabs Square Corner	39 3/4	19 7/16
KRWT5300	KRA5318/KRA5311 Roll Cabs (Square)	53 1/16	19 7/16
KRWT4008	KRA4008E/KRA2007 Roll Cabs (Rounded)	26	19 7/16

Steel Work Surfaces

Steel work surface is coated with a substance similar to that used in truck bed liners. Extremely durable, easy to clean, chemical and abrasion resistant, and won't crack or peel. Installation hardware included.



KRBLT1023

Stock No.	Applications	Width, inches	Depth, inches
KRBLT1023	KRL1163, KRL1023, KRL1032, KRL7023, KRL1033	72 13/16	29
KRBLT1022	KRL1022, KRL7022	54 3/16	29
KRBLT722	KRL722	54 3/16	24
KRBLT1011	KRL1011, KRL7011, KRL1015, KRL7015	19 7/8	29
KRBLT711	KRL711, KRL715	19 7/8	24
KRBLT2406	KRA2406/KRA2406A End Cabs	20	23 7/8
KRBLT2418	KRA2423, KRA2432, KRA2496	73 3/8	24
KRBLT756	KRL756	36	24
KRBLT2411	KRA2422/KRA2411	54 3/4	23 11/16
KRBLT5311	KRA5311, KRA5318	53 3/4	19 1/2
KWSN3010ABL	KEXN603A EPIQ Roll Cab	120	30
KWSN3012ABL	KEXN725A/KEXP725A EPIQ Roll Cabs	144	30
KWSN3030ABL	KEBN301A EPIQ End Cabinet	30	30
KWSN3060ABL	EPIQ Series Roll Cabs	60	30
KWSN3068ABL	EPIQ Series Roll Cabs	68	30
KWSN3076ABL	EPIQ Series Roll Cabs	76	30
KWSN3084ABL	EPIQ Series Roll Cabs	84	30
KWSP3060ABL	EPIQ Series Roll Cabs	60	30
KWSP3068ABL	EPIQ Series Roll Cabs	68	30
KWSP3076ABL	EPIQ Series Roll Cabs	76	30
KWSP3084ABL	EPIQ Series Roll Cabs	84	30
KWSH3076ABL	EPIQ Series Roll Cabs	76	30
KWSH3084ABL	EPIQ Series Roll Cabs	84	30

Non-directional Rubber Mats

Non-directional rubber-top mats protect tool storage units from damage. Lightweight, fine textured, all rubber construction. Will not shrink, curl or separate. Cleans easily and quickly. Impervious to most oil and chemicals.



JKRR711CR

Stock No.	Applications
JKRR10011CR	KRL1022/KRL7022 Series Roll Cabs
JKRR1003CR	KRL1023/KRL1032/KRL7023/KRL1033 Series Roll Cabs
JKRR1056CR	KRL1056 Series Roll Cabs
JKRR761CR	KRL722 Series Roll Cabs
JKRR756CR	KRL756 Series Roll Cabs
JKRR1010CR	KRL1011/KRL7011/KRL7015/KRL1015 Series End Cabs
JKRR7012CR	KRL1012/KRL7012/KRLV1012 Series Lockers
JKRR711CR	KRL711 Series End Cabs
JKRR712CR	KRL712 Series Lockers
JKRR3800CR	KRA4107/KRA4800 Series Roll Cabs
JKRR379ACR	KRA4007/KRA3027/KRA3025 Series Roll Cabs
JKRR2411CR	KRA2422/KRA2411 Series Roll Cabs
JKRR2418CR	KRA2423/KRA2418/KRA2432 Series Roll Cabs
JKRR3820CR	KRA4820/KRA4833 End Cabs, KRA5012 Locker
JKRR33W55	KRSC326/KRSC33 Roll Carts
JKRR46GW55	KRSC40/KRSC46 Roll Carts
KWSN3060ACR	EPIQ Series Roll Cabs (60")
KWSN3068ACR	EPIQ Series Roll Cabs (68")
KWSN3076ACR	EPIQ Series Roll Cabs (76")
KWSN3084ACR	EPIQ Series Roll Cabs (84")
KWSN30120ACR	EPIQ KEXN603A Series Roll Cabs (120")
KWSN30144ACR	EPIQ KEXN725A/KEXP725A Series Roll Cabs (144")

⚠WARNING



- Do not open multiple drawers
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

ACCESSORIES: COVERS

The KAC Series of Storage Unit Covers can be used individually per unit or zipped together with the heavy duty nylon zipper to form a cover to match your tool storage combination. Magnets on the locker and end cab covers hold the door flap open to allow entry to the unit without removing the cover itself. Covers are available for a wide variety of tool storage roll cabs, WorkCenters, Risers and Lockers.



KAC307660BK



KAC1003

KRL7000 Series Covers

Cover Description	Red Stock No.	Black Stock No.
KRL7022 Cover	KAC7002	KAC7002
KRL7022/KRL1201 or KRL1054 Combination Cover	KAC72121	KAC72121PC
KRL7023 Cover	KAC7003	KAC7003PC
KRL7023/KRL1203A or KRL1072 Combination Cover	KAC73123	KAC73123PC
KRL7011A/KRL7015A/KRLV7015 Cover (Left Side)	KAC7011L	KAC7011LPC
KRL7011A/KRL7015A/KRLV7015 Cover (Right Side)	KAC7011R	KAC7011RPC
KRL7012/KRLV7012 Cover (Left Side)	KAC7012L	KAC7012LPC
KRL7012/KRLV7012 Cover (Right Side)	KAC7012R	KAC7012RPC
KRL7022 with KRL7954/KRL5445 Cover	–	KAC702245PC
KRL7023 with KRL7972/KRL7245 (2) Cover	–	KAC702345PC

EPIQ Series Roll Cab Covers

Cover Description	Black Stock No.
KERN60 Cover	KAC304860BK
KERN68 Cover	KAC304868BK
KERP76 Cover	KAC304876BK
KERN84/KERP84 Cover	KAC304884BK
KEXN603 Cover	KAC3048120BK
KEXN725/KEXP725 Cover	KAC3048144BK
60" EPIQ Roll Cab, WorkCenter, 1 Locker	KAC307690BK
68" EPIQ Roll Cab, WorkCenter, 1 Locker	KAC307698BK
76" EPIQ Roll Cab, WorkCenter, 1 Locker	KAC3076106BK
84" EPIQ Roll Cab, WorkCenter, 1 Locker	KAC3076114BK
60" EPIQ Roll Cab, WorkCenter, 2 Lockers	KAC3076120BK
68" EPIQ Roll Cab, WorkCenter, 2 Lockers	KAC3076128BK
76" EPIQ Roll Cab, WorkCenter, 2 Lockers	KAC3076136BK
84" EPIQ Roll Cab, WorkCenter, 2 Lockers	KAC3076144BK
60" EPIQ Roll Cab, WorkCenter, 4 Lockers	KAC3076180BK
68" EPIQ Roll Cab, WorkCenter, 4 Lockers	KAC3076188BK
76" EPIQ Roll Cab, WorkCenter, 4 Lockers	KAC3076196BK
84" EPIQ Roll Cab, WorkCenter, 4 Lockers	KAC3076204BK
60" EPIQ Roll Cab and WorkCenter	KAC307660BK
68" EPIQ Roll Cab and WorkCenter	KAC307668BK
76" EPIQ Roll Cab and WorkCenter	KAC307676BK
84" EPIQ Roll Cab and Workcenter	KAC307684BK
60" EPIQ Roll Cab, WorkCenter, Overheads, 2 Lockers	KAC3097120BK
68" EPIQ Roll Cab, WorkCenter, Overheads, 2 Lockers	KAC3097128BK
76" EPIQ Roll Cab, WorkCenter, Overheads, 2 Lockers	KAC3097136BK
84" EPIQ Roll Cab, WorkCenter, Overheads, 2 Lockers	KAC3097144BK
60" EPIQ Roll Cab, WorkCenter, Overheads, 4 Lockers	KAC3097180BK
68" EPIQ Roll Cab, WorkCenter, Overheads, 4 Lockers	KAC3097188BK
76" EPIQ Roll Cab, WorkCenter, Overheads, 4 Lockers	KAC3097196BK
84" EPIQ Roll Cab, WorkCenter, Overheads, 4 Lockers	KAC3097204BK
60" EPIQ Roll Cab, WorkCenter, Overhead	KAC309760BK
68" EPIQ Roll Cab, WorkCenter, Overhead	KAC309768BK
76" EPIQ Roll Cab, WorkCenter, Overhead	KAC309776BK
84" EPIQ Roll Cab, WorkCenter, Overhead	KAC309784BK

KRL1000 Series Covers

Cover Description	Red Stock No.	Black Stock No.
KRL1065 Cover	KAC1065	KAC1065PC
KRL1022 Cover	KAC1001	KAC1001PC
KRL1022/KRL1201A or KRL1072 Combination Cover	KAC100112	KAC100112PC
KRL1022/KRL1201A/KRL1012A or KRL1072 Combination Cover	KAC1001TL	KAC1001TLPC
KRL1022/KRL7954/KRL5445 Cover	KAC1001WD	KAC1001WDPC
KRL1023/KRL1032/KRL1033 Cover	KAC1003	KAC1003PC
KRL1023 or KRL1032/KRL1203A Combination Cover	KAC13123	KAC13123PC
KRL1023 or KRL1032 with KRL7972/KRL7245 Cover	KAC1003WD	KAC1003WDPC
KRL1056 Cover	KAC1056	KAC1056PC
KRL1056/KRL1251 Combination Cover	KAC161251	KAC161251PC
KRL1011A/KRL1015A Cover (Left Side)	KAC1011L	KAC1011LPC
KRL1011A/KRL1015A Cover (Right Side)	KAC1011R	KAC1011RPC
KRL1012A Cover (Left Side)	KAC1012L	KAC1012LPC
KRL1012A Cover (Right Side)	KAC1012R	KAC1012RPC
KRL1022/KRL7954/KRL5445 Cover	KAC102245PC	–
KRL1023/KRL7954/KRL5445 Cover	KAC102345PC	–
KAC1003TL(xxx) KRL 72" Roll Cab & WorkCenter or Top Chest & Locker Cover		
KAC1001TL(xxx) KRL 54" Roll Cab & WorkCenter or Top Chest & Locker Cover		

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KAC761CAS



KAC761EGS



KAC761EOS



KAC761RBS

Color Logo "S" Cover

Cover Description	Stock No.	Cover Description	Stock No.
KRL722/KRA2411/KRA2422 Cover	KAC761CAS	KRL722/KRA2411/KRA2422 Cover	KAC761PKS
KRA2423 Cover	KAC773CAS	KRA2423 Cover	KAC773PKS
KRL722/KRL791 or KRL722/KRA2454 Combination Cover	KAC761791CAS	KRL722/KRL791 or KRL722/KRA2454 Combination Cover	KAC761791PKS
KRA2423 Roll Cab/KRA2454 Riser Combination Cover	KAC241815CAS	KRA2423 Roll Cab/KRA2454 Riser Combination Cover	KAC241815PKS
KRA2422/KRA2411 Roll Cab/KRA2454 Riser Combination Cover	KAC242210CAS	KRA2422/KRA2411 Roll Cab/KRA2454 Riser Combination Cover	KAC242210PKS
KRL722/KRA2411/KRA2422 Cover	KAC761EGS	KRL722/KRA2411/KRA2422 Cover	KAC761RBS
KRA2423 Cover	KAC773EGS	KRA2423 Cover	KAC773RBS
KRL722/KRL791 or KRL722/KRA2454 Combination Cover	KAC761791EGS	KRL722/KRL791 or KRL722/KRA2454 Combination Cover	KAC761791RBS
KRA2423 Roll Cab/KRA2454 Riser Combination Cover	KAC241815EGS	KRA2423 Roll Cab/KRA2454 Riser Combination Cover	KAC241815RBS
KRA2422/KRA2411 Roll Cab/KRA2454 Riser Combination Cover	KAC242210EGS	KRA2422/KRA2411 Roll Cab/KRA2454 Riser Combination Cover	KAC242210RBS
KRL722/KRA2411/KRA2422 Cover	KAC761EOS	KRL722/KRA2411/KRA2422 Cover	KAC761RDS
KRA2423 Cover	KAC773EOS	KRA2423 Cover	KAC773RDS
KRL722/KRL791 or KRL722/KRA2454 Combination Cover	KAC761791EOS	KRL722/KRL791 or KRL722/KRA2454 Combination Cover	KAC761791RDS
KRA2423 Roll Cab/KRA2454 Riser Combination Cover	KAC241815EOS	KRA2423 Roll Cab/KRA2454 Riser Combination Cover	KAC241815RDS
KRA2422/KRA2411 Roll Cab/KRA2454 Riser Combination Cover	KAC242210EOS	KRA2422/KRA2411 Roll Cab/KRA2454 Riser Combination Cover	KAC242210RDS

Color Stock No. PKS=Pink, CAS=Candy Apple, RBS=Royal Blue, EGS=Extreme Green, RDS=Red, EOS=Orange

KRL700 and Classic Series Storage Unit Covers

Cover Description	Red Stock No.	Black Stock No.	Cover Description	Red Stock No.	Black Stock No.
KRL722/KRA2411 Cover	KAC761	KAC761PC	KRL712 Cover (Left Side)	KAC712L	KAC712LPC
KRL722/KRL791A or KRA2411/KRA2408 Combination Cover	KAC761791	KAC761791PC	KRL712 Cover (Right Side)	KAC712R	KAC712RPC
KRL722/KRA2411/KRW7554/KRWL5435 Cover	KAC761WD	KAC761WDPC	KRA2423/KRA2496/KRA2432 Cover	KAC773	KAC773PC
KRL722/KRL791A/KRL712 Combination Cover	KAC761TL	KAC761TLPC	Classic 73" Roll Cab/Chest Cover	KAC773793	KAC773793PC
KRL756 or KRA2407 Cover	KAC756	KAC756PC	KRA2418/KRA2432/KRA2496 with KRA2472 Cover	KAC773WD	KAC773WDPC
KRL756/KRL751, KRA2407/KRA2404 or Combination Cover	KAC756731	KAC756731PC	Classic 73" Roll Cab/KRA2415 Chest	–	KAC241815PC
KRL711/KRL715 Cover (Left Side)	KAC711L	KAC711LPC	KRL722/KRA2411/KRA2454/KRWL5435 Cover	–	KAC242210PC
KRL711/KRL715 Cover (Right Side)	KAC711R	KAC711RPC	KRA2407 Roll Cab/KRA2405 Chest Cover	–	KAC240705PC
			KRA2418/KRA2432/KRA2496 with KRW7572 Cover	–	KAC773WDPC

Heritage Series Covers

Cover Description	Red Stock No.	Black Stock No.
KRA5000 Series/KRA2300 Series Roll Cab Cover/53" Roll Cabs	KAC5000	KAC5000PC
KRA5000/KRA2300 Series Roll Cab/Top Chest Cover/53" Roll Cab/Top Chest Combination	KAC530015	KAC530015PC
KRA5012 Locker Cover, Left Side	KAC5012L	KAC5012LPC
KRA5012 Locker Cover, Right Side	KAC5012R	KAC5012RPC
KRA4000/2000 Series 40" Roll Cab Cover	KAC4800	KAC4800PC
KRA4000/KRA2000 Series 40" Roll Cab/Top Chest Combination Cover	KAC48004810	KAC480010PC
KRA4000 Series 40" Roll Cab/Drawer Section/Top Chest Combinations	KAC48006010	KAC486010PC
KRA Series End Cabs Cover, Left Side	KAC4820L	KAC4820LPC
KRA Series End Cabs Cover, Right Side	KAC4820R	KAC4820RPC
KRA4008/KRA2007 Roll Cab Cover	KAC4007	KAC4007PC
KRA4000 Series 26" Roll Cab/Top Chest Combination Cover	KAC40074014	KAC40074014PC
KRA4059 Series	KRAC59	–

Other Units

Cover Description	Black Stock No.
KRSC40/KRSC416/KRSC46 Carts	KACSC40APC
KRSC31/KRSC33 Series Roll Carts	KACSC30PC
KRA6200 Road Chest Waterproof	KAC6200PC
KRA6210 Road Chest Waterproof	KAC6210PC

WARNING

• Images may be shown without actual warning labels
• Read safety precautions on pages W1 to W4

ACCESSORIES: DRAWER GUARDS/PROTECTORS/EPIQ SERIES



Protects top of drawers from dings and scratches. Adds a custom, personalized look to tool storage units. Installs easily. No trimming or fasteners required. Simply remove tape from underside of guard, align guard with drawer, snap in place and press firmly. Constructed from stainless-steel with brushed or polished finish. Individual replacement guards are available.

Drawer Guards/EPIQ Series

Brushed Stock No.	Polished Stock No.	Applications
KADGSERN602A	KADGPERN602A	KERN602A Roll Cabs
KADGSERN682A	KADGPERN682A	KERN682A Roll Cabs
KADGSERN762A	KADGPERP762A	KERN762A Roll Cabs
KADGSERP763A	KADGPERP763A	KERP763A Roll Cabs
KADGSERN842A	KADGPERN842A	KERN842A Roll Cabs
KADGSERP842A	KADGPERP842A	KERP842A Roll Cabs
KADGSERN843A	KADGPERN843A	KERN843A Roll Cabs
KADGSERP843A	KADGPERP843A	KERP843A Roll Cabs
KADGSECN602A	KADGPECN602A	KECN602A Top Chests
–	KADGPECN682A	KECN682A Top Chests
–	KADGPECN843A	KECN843A Top Chests
KADGSESN602A	KADGPESN602A	KESN602A Drawer Sections
–	KADGPESN682A	KESN682A Drawer Sections
KADGSESN843A	KADGPESN843A	KESN843A Drawer Sections

Some units also available in Matte Black KADGME-prefix and Titanium Gray i.e., KADGN843AFGY for KERN843.



KADPPERN602A

Protects offset area that angles in on 4" and deeper drawers from scratches.

Drawer Protectors/EPIQ Roll Cabs

Brushed Stock No.	Polished Stock No.	Matte Black Stock No.	Applications
KADPSERN602A	KADPPERN602A	KADPMERN602A	KERN602B Roll Cabs
KADPSERN682A	KADPPERN682A	KADPMERN682A	KERN682B Roll Cabs
KADPSERP763A	KADPPERN843A	KADPMERN843A	KERP763B Roll Cabs
KADPSERN843A	KADPPERP763A	KADPMERP763A	KERN843B Roll Cabs
KADPSERP843A	KADPPERP843A	KADPMERP843A	KERP843B Roll Cabs
KADPSETN682A	KADPPETN682A	KADPMETN682A	KETN682B Roll Cabs
KADPSE12	KADPPE12	KADPME12	12" EPIQ Series Roll Cab Drawers
KADPSE20	KADPPE20	KADPME20	20" EPIQ Series Roll Cab Drawers
KADPSE30	KADPPE30	KADPME30	30" EPIQ Series Roll Cab Drawers
KADPSE38	KADPPE38	KADPME38	38" EPIQ Series Roll Cab Drawers
KADPSE54	KADPPE54	KADPME54	54" EPIQ Series Roll Cab Drawers
KADPSE62	KADPPE62	KADPME62	62" EPIQ Series Roll Cab Drawers

ACCESSORIES: DRAWER GUARDS/KRL SERIES

Stainless-Steel Drawer Guards/KRL Roll Cabs

Brushed Stock No.	Polished Stock No.	Applications
KADG1022	KADGP1022	KRL1022
KADG1023	KADGP1023	KRL1023
KADG1056	KADGP1056	KRL1056, KRL1056B
KADG7022	KADGP7022	KRL7022, KRLP7022, KRL722
KADG7023	KADGP7023	KRL7023
KADG756	KADGP756	KRL756, KRL756B

Gloss Black and Matte Black steel drawer guard sets available for some units.

Stainless-Steel Drawer Guards/KRL Top Chests and End Cabs

Brushed Stock No.	Polished Stock No.	Applications
KADG1011A	KADGP1011A	KRL1011A
KADG1201	KADGP1201	KRL1201, KRL1201A, KRL1202
KADG1203	KADGP1203	KRL1203, KRL1203A, KRL1203B
KADG1221	KADG1221	KRL1221
KADG1232	KADG1232	KRL1232
KADG1251	KADGP1251	KRL1251
KADG7011A	KADGP7011A	KRL1221, KRL711, KRL711A, KRL7011A
KADG731	KADG731	KRL731, KRL751
KADG791	KADGP791	KRL791, KRL791A



KADGSHORT



KADG4107

KRA and KRL Drawer Guards/Individual Replacements

Brushed Stock No.	Polished Stock No.	Applications	Length, inches
KADGNARROW	KADGPNARROW	KRL/Classic Narrow Drawer Guard	16
KADGWIDE	KADGPWIDE	KRL/Classic Wide Drawer Guard	32
KADGXWIDE	KADGPXWIDE	KRL/Classic Extra wide Drawer Guard	50 1/2
KADGSWIDE	KADGPSWIDE	KRL/Heritage Super wide Drawer Guard	69 3/16
KADGSHORT	KADGPSHORT	Heritage Short Drawer Guard	12 1/16
KADGMEDIUM	KADGPMEDIUM	Heritage Medium Drawer Guard	22
KADGLONG	KADGPLONG	Heritage Long Drawer Guard	35 9/16

Use “KADGB” for Gloss Black; “KADGM” for Matte Black.

Drawer Guards/KRA Roll Cabs

Brushed Stock No.	Polished Stock No.	Applications
KADG5311	KADGP5311	KRA5311 Series Roll Cabs
KADG4008	KADGP4008	KRA4008 Series Roll Cabs
KADG4107	KADGP4107	KRA2306/KRA4107 Series Roll Cabs
KADG4813	KADGP4813	KRA4813 Series Roll Cabs
KADG4007	KADGP4007	KRA2007/KRA4007 Series Roll Cabs
KADG2432	KADGP2432	KRA2432 Series Roll Cabs
KADG2418	KADGP2418	KRA2418 Series Roll Cabs
KADG2411	KADGP2411	KRA2411 Series Roll Cabs
KADG2422	KADGP2422	KRA2422 Series Roll Cabs
KADG2496	KADGP2496	KRA2496 Series Roll Cabs

KRA Top Chests and End Cabs

Brushed Stock No.	Polished Stock No.	Applications
KADG5315	KADGP5315	KRA5315 Series Top Chests
KADG5208	KADGP5208	KRA5208 Series Top Chests
KADG4114	KADGP4114	KRA4114 Series Top Chests
KADG4014	KADGP4014	KRA4014 Series Top Chests
KADG4810	KADGP4810	KRA4810 Series Top Chests
KADG4820	KADGP4820	KRA4820 Series End Cabs

WARNING

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• Read safety precautions on pages W1 to W4

ACCESSORIES: BODY GUARDS

Made of brushed stainless-steel. Designed to protect the toolbox from solvents and floor cleaning solutions. Custom-fit pieces are adhesively applied. Adds a fresh look to newer tool storage units. Can also be used to complete the restoration of older tool storage units. Bottom guards only. Does not include top guards.



Masters Body Guard Sets

Stock No.	Applications
KABG1022	KRL1022, KRL7022, KRL1001B & KRL7002
KABG1023A	KRL1023, KRL1163, KRL7023, KRL7003
KABG1024	KRL1024
KABG1032A	KRL1032
KABG1032B	KRL1032B, KRL1032C
KABG1033	KRL1033
KABG722	KR722 and KRL761B
KABG1065	KRL1065, KRL7065

EPIQ Body Guard Sets

Stock No.	Applications
KABGSERN602A	KERN602 Series Roll Cabs Brushed
KABGSERN682A	KERN682 Series Brushed
KABGSERN842A	KERN842 Series Brushed
KABGSERN843A	KERN843 Series Brushed
KABGSERP762A	KERP762 Series Brushed
KABGSERP763A	KERP763 Series Brushed
KABGSERP842A	KERP842 Series Brushed
KABGSERP843A	KERP843 Series Brushed
KABGPERN602A	KERN602 Series Polished
KABGPERN682A	KERN682 Series Polished
KABGPERN842A	KERN842 Series Polished
KABGPERN843A	KERN843 Series Polished
KABGPERP762A	KERP762 Series Polished
KABGPERP763A	KERP763 Series Polished
KABGPERP842A	KERP842 Series Polished
KABGPERP843A	KERP843 Series Polished

Bottom guards only. Does not include top guards.

CUSTOMIZATION





KADF32X6

Classic and Masters Stainless-Steel Drawer Fronts

- Brushed and polished stainless-steel drawer fronts for Classic and Masters series roll cabs and top chests
- Fronts for 50" drawers and 32" x 6" drawers feature a precision cut Snap-on® logo in panel that allows the paint color to show through the logo
- Fronts for 16" x 10" deep drawers feature a precision-cut *Snap-on* logo "S" in panel that allows the paint color to show through the logo
- Fronts for 32" x 4" and 16" x 4" drawers do note any logo
- All drawer fronts are applied with double sided 3M® 300LSE tape with flanges and bending tabs to hold them in place

Brushed Stock No.	Polished Stock No.	Applications
KADF50X4	KADFP50X4	50" drawers on all Classic Series Roll Cabs
KADF32X6	KADFP32X6	32" x 6" drawers on all Masters and Classic Series Roll Cabs
KADF32X4	KADFP32X4	32" x 4" drawers on all Masters and Classic Series Roll Cabs and Top Chests
KADF16X4	KADFP16X4	16" x 4" drawers on all Classic Series Roll Cabs and Top Chests
KADF16X10	KADFP16X10	16" x 10" deep drawers on all Masters and Classic Series Roll Cabs

Masters Series Stainless-Steel Drawer Front Sets

Stock No.	Description
KADFKRLSTDA	Brushed Drawer Front Kit, 3pc
KADFPKRLSTDA	Polished Drawer Front Kit, 3pc
KADFP50X5	All Masters Top Drawer: KRA2422 Top Drawer



KADFMBS

Drawer Front, "S", Magnetic

Brushed Stock No.	Polished Stock No.	Applications
KADFMBS	KADFMPS	Magnetic *Snap-on* "S" logo 10" x 6" fits narrow bottom drawers on all KRA & KRL Roll Cabs

Stainless-Steel Drawer Fronts, Heritage Series

- Drawer front guards are available in brushed stainless-steel and polished stainless-steel (polished units contain "P" in part number)
- Each drawer and corner guard is applied with double sided 3M® 300LSE tape and with flanges and/or bending tabs to hold them in place

Brushed Stock No.	Polished Stock No.	Applications
KADF35X8	KADFP35X8	Fits all KRA4107, KRA5311, KRSC46
KADF35X4	KADFP35X4	Fits all KRA4107, Top Chest KRA4114 & KRSC46
KADF22X8	KADFP22X8	Fits all KRA2007, KRA4008, KRA4813 & KRA5319
KADF12X11	KADFP12X11	Fits 12" deep, narrow drawers on all Heritage



KADFP35X4

Carbon Fiber Drawer Fronts (Masters, Classic & Heritage)

Stock No.	Description
KADFC16X10	16" x 10" Classic & Masters Drawer Front
KADFC16X4	16" x 4" Classic & Masters Drawer Front
KADFC32X6	32" x 6" Classic & Masters Drawer Front
KADFC35X8	35" x 8" Heritage Drawer Front
KADFC50X4	50" x 4" Classic & Masters Drawer Front
KADFC50X5	50" x 5" Classic & Masters Drawer Front



KADF35X8



KADFC32X6

Gloss Black Steel Drawer Fronts

- Gloss black drawer fronts are made from powder-coated steel
- Provide a nice contrast to tool storage colors like Flat Black, White, Midnight Blue, Purple and Red
- Laser cut Snap-on® logo reveals paint color

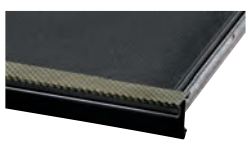
Stock No.	Dimensions, inches	Applications
KADFB12X11	12 x 11	Heritage Series – Deep, Narrow Drawers
KADFB16X10	16 x 10	Heritage Series – Deep, Narrow Drawers
KADFB22X8	22 x 8	Heritage Series – Medium Width Drawers
KADFB32X6	32 x 6	Masters/Classic Series – Wide Drawers
KADFB35X4	35 x 4	Heritage Series and KRSC Series Roll Carts – Deep Drawers
KADFB35X8	35 x 8	Heritage Series and KRSC Series Roll Carts – Deep Drawers
KADFB50X4	50 x 4	Classic Series – Extra Wide Drawers
KADFB50X5	50 x 5	Masters Series – Extra Wide Drawers
KADFB8X11	8 x 11	KRA2318/KRA5318 Series – Bottom Drawer

Carbon Fiber Drawer Guards

	Stock No.	Description
Sets	KACF2411	Carbon Fiber Drawer Guard Set KRA2411
	KACF2418	Carbon Fiber Drawer Guard Set KRA2418
	KACF5311	Carbon Fiber Drawer Guard Set KRA5311
	KACF1022	13pc Drawer Guard Set for KRL1022 Series Roll Cabs
	KACF1023	22pc Drawer Guard Set for KRL1023 Series Roll Cabs
	KACF2423	17pc Drawer Guard Set for KRA2423 Series Roll Cabs
	KACF722	11pc Drawer Guard Set for KRL722 Series Roll Cabs
	KACF4107	7pc Drawer Guard Set for KRA4107 Series Roll Cabs
	KACF4114	4pc Drawer Guard Set for KRA4114 Series Roll Cabs
	KACF46	6pc Carbon Fiber Set for 35" Drawer, KRA Heritage KRSC46/KRSC43
	KACF2410	KRA2410 Top Chest
	KACF2422	Carbon Fiber Drawer Guard Set KRA2422
Individual Replacements	KACFHWIDE	35" Heritage Drawer 1pc
	KACFHXWIDE	49" Heritage Drawer 1pc
	KACFHMED	22" Heritage Drawer 1pc
	KACFHNRW	11" Heritage Drawer 1pc
	KACFCMED	Classic/Masters
	KACFCXWIDE	Classic/Masters
	KACFCNRW	Classic/Masters

KEVLAR®/Carbon Fiber Drawer Guards

	Stock No.	Description
Sets	KACF2411YL	KRA2411 Series Roll Cabs
	KACF1022YL	KRL1022 Series Roll Cabs
	KACF1023YL	KRL1023 Series Roll Cabs
	KACF722YL	KRL722 Series Roll Cabs
	KACF2422YL	KRA2422 Series Roll Cabs
Individual Replacements	KACFCMEDYL	32" Classic/Masters Drawers, 1pc
	KACFCNRWYL	16" Classic/Masters Drawers, 1pc
	KACFCXWIDEYL	50" Classic/Masters Drawers, 1pc
	KACFHMEDYL	22" Heritage Drawer 1pc
	KACFHNRWYL	11" Heritage Drawer 1pc
	KACFHWIDEYL	35" Heritage Drawer 1pc
	KACFHXWIDEYL	Top Drawer Only KRA5311 Roll Cabs, 1pc



KACF2422YL

⚠WARNING



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ACCESSORIES: CUSTOMIZATION



KACGP24RC

Stainless-Steel Corner Guards, Classic Series

- Fits all Classic series roll cabs and top chests
- Available in brushed and polished stainless-steel plus Gloss Black and Matte Black coated steel
- Designed to cover the Classic series front edges vertically (top to bottom)
- Custom wrench "S" stamped into top and bottom
- Applied with double sided 3M® 300LSE tape and has a flange on top and bending tabs on the bottom to securely hold them in place

Brushed Stock No.	Polished Stock No.	Matte Black Stock No.	Applications
KACG24RC	KACGP24RC	KACGM24RC	Classic Series Roll Cabs
KACG2410TC	KACGP2410TC	KACGM2410TC	Classic Series Top Chests with Lid

Use "KACGB" prefix for Gloss Black corner guards.



KACNG2

Soft Corner Guards, Classic/Heritage Series

KACNG2 Flexible Corner Guard Set, Classic/Heritage Series

- Fits all Classic and Heritage roll cabinets
- Die-cut black pebbled buna nitrile
- Over-molded spring steel tabs inserted for mounting corner guard to toolbox
- Custom molded material – installs in seconds
- Brand molded into corners
- Overall height 32 1/2", thickness .19"



KACGHRC

Stainless-Steel Corner Guards, Heritage Series

- Corner guards are available in brushed and polished stainless-steel
- Corner guards are designed to cover top to bottom vertically
- Custom wrench S machined into top and bottom
- Each corner guard is applied with double-sided *3M* 300LSE tape and has a flange on top and bending tabs on the bottom to hold them in place

Brushed Stock No.	Polished Stock No.	Applications
KACGHRC	–	Fits all Heritage Roll Cabs with rounded corners (2 sides included)
KACG53RC	KACGP53RC	Fits all Heritage Roll Cabs with square corners
KACGHTC	–	Fits all Heritage Top Chests with rounded corners (2 sides included)
KACG53TC	KACGP53TC	Fits Heritage Top Chests with lid and square corners

Rounded corners shown. Also comes in new version with square corners KACG53RC and KACGP53RC.

Powder-Coated Steel Corner Guards

- Corner guards are made from powder-coated steel
- Provide a nice contrast to tool storage colors
- Laser cut Snap-on® "S" reveals paint color

Stock No.	Applications
KACGB24RC	Gloss Black: KRA2407, KRA2411, KRA2422, KRA2418 plus all other Classic Series Roll Cabs
KACGB53RC	Gloss Black: KRA5308F Series Square Corner Heritage Roll Cabs
KACGB53TC	Gloss Black: KRA5308F Only
KACGB2410TC	Gloss Black: KRA2405, KRA2410 & KRA2415 Only
KACG24RC(xxx)	KRA2407, KRA2411, KRA2422, KRA2418 plus all other Classic Series Roll Cabs
KACG24TC(xxx)	KRA2410 & KRA2415 Top Chests

Add color suffix: PBO=Red, PCM=Royal Blue, PDG=Midnight Blue, PJJ=Extreme Green, PJK=Electric Orange, POT=Flat Black w/ Black Trim, PU=White

Guard Sets

- Protective accessories coated in actual Snap-on® powder-coat paint colors
- Made from laser-cut steel
- Bottom guard is made from stainless-steel for corrosion protection
- Provides scratch protection
- Available in ten powder-coated colors: Red (PBO), Royal Blue (PCM), Candy Apple Red (PJH), Extreme Green (PJJ), Electric Orange (PJK), Hot Pink (PNK), Gloss Black (PC), Titanium (FGY), Purple (PPL) and Flat Blue (FBU)
- Orange tint is slightly different than the actual *Snap-on* orange color

KA2423BSET KRA2423 Series Roll Cab 21pc Guard Set

Includes one 50" drawer front, one corner guard set, one drawer guard set and one stainless-steel bottom guard (roll cab not included)

Stock No.	Color
KA2423SETPBO	Red
KA2423SETPCM	Royal Blue
KA2423SETPJH	Candy Apple Red
KA2423SETPJJ	Extreme Green
KA2423SETPJK	Electric Orange
KA2423SETPNK	Hot Pink
KA2423BSET	Gloss Black
KA2423SETFGY	Titanium Gray
KA2423SETPPL	Purple
KA2423SETFBU	Flat Blue



KA2411SETPCM



KA2411SETPJH

KA2422BSET KRA2422 Series Roll Cab 14 Piece Guard Set

Includes one 50" drawer front, one corner guard set, one drawer guard set and one stainless-steel bottom guard (roll cab not included)

Stock No.	Color
KA2422SETPBO	Red
KA2422SETPCM	Royal Blue
KA2422SETPJH	Candy Apple Red
KA2422SETPJJ	Extreme Green
KA2422SETPJK	Electric Orange
KA2422SETPNK	Hot Pink
KA2422BSET	Gloss Black
KA2422SETFGY	Titanium Gray
KA2422SETPPL	Purple
KA2422SETFBU	Flat Blue



KA2411SETPJJ



KA2411SETPJK

KA2411BSET KRA2411 Series Roll Cab 15pc Guard Set

Includes one 50" drawer front, one corner guard set, one drawer guard set and one stainless-steel bottom guard (roll cab not included)

Stock No.	Color
KA2411SETPBO	Red
KA2411SETPCM	Royal Blue
KA2411SETPJH	Candy Apple Red
KA2411SETPJJ	Extreme Green
KA2411SETPJK	Electric Orange
KA2411SETPNK	Hot Pink
KA2411BSET	Gloss Black



KA2411SETPNK

⚠WARNING

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ACCESSORIES: CUSTOMIZATION



Wrench Wheel Cover Sets

Stock No.	Description
KAWCR-6	Red, 6pc
KAWCB-6	Black, 6pc
KAWC-6	Chrome, 6pc



KA2422HDLBU



KA2422HDLGN

Roll Cab Handle Bars

- Fits all Classic, Heritage and KRSC carts
- Hot new colors to match or contrast roll cabs or carts
- Heavy duty aluminum construction
- Powder-coated paint
- Knurled grip

Stock No.	Description
KA2422HDLB	Black with Silver Etching
KA2422HDLBU	Royal Blue with Silver Etching
KA2422HDLGN	Extreme Green with Silver Etching
KA2422HDLOR	Electric Orange with Silver Etching
KA2422HDLP	Polished Chrome with Etching
KA2422HDLPK	Pink with Silver Etching
KA2422HDLRD	Candy Apple Red with Silver Etching

TOOL STORAGE LIGHTING



KEWLED4

LED Light Bars

- Automatic on/off: durable and strong contacts provide positive engagement
- Magnetic installation of the light bar and the power switch provides easy installation and maneuverability
- Create a lighting experience that outshines anything in the shop
- Top quality materials and construction
- Low energy use
- Best heat dissipation
- High-output LED system uses application specific LED technology with a three-year unlimited warranty

Stock No.	Useful Light Output (lumen)	LED Input Power (W)	System Input Power (W)	System Efficacy (lumen/W)	Length, feet
KEWLED2	540	6.6	8.0	67	2
KEWLED4	1,733	21.7	25.5	68	4
KEWLED5	2,080	26.0	30.6	68	5
KEWLED3P4	1,733	21.7	25.5	68	4
KEWLED4P5	2,080	26.0	30.6	68	5

*LEDs are in individual ports for premium light dispersion.
**LEDs are grouped with fewer ports for a more economical solution.
KEWLED Series Bars fit: EPIQ Series: KEWN WorkCenters, KEHN Overheads, KELN Lockers (24" model), Masters Series: KRL1072 and KRL1054 WorkCenters, Classic Series: KRA2472 and KRA2454 WorkCenters



KALEDBLUE

LED Light Kits

- 13" LED strips are lightweight and can be attached to any surface using two-way soft tape
- LED strips can be connected in a straight line
- Connecting the LED strips with the included short connector cord allows the 13" LED strips to be placed around corners or at different levels from each other
- Each kit has a white six-way terminal to allow up to five additional LED add-on kits
- Kit includes three 13" LED strips, two short connector cords, one six-way terminal and two-way soft tape
- Add-on kits contain ten 13" LED strips, one short connector cord, one 6' cord and two-way soft tape

Stock No.	Color	Stock No.	Color
KALEDWHITE	White	KALEDWHITE-1	White Add-on Kit
KALEDBLUE	Blue	KALEDBLUE-1	Blue Add-on Kit
KALEDGREEN	Green	KALEDGREEN-1	Green Add-on Kit
KALEDRED	Red	KALEDRED-1	Red Add-on Kit

LED WorkCenter Desk Lights

KEWLEDFLEXL Flexible WorkCenter Desk Light
- 18" shaft, magnetic base, rechargeable 2,600 mAL Li-ion battery
- 110V AC charger
- Great for carts

KEWLED24 WorkCenter Light
- Flexible shaft can be bent up to 160° to provide lighting where needed
- Magnetic flexible posts make it easy to install on any flat steel surface above or on the back wall
- 144 LEDs located throughout entire length of light for maximum brightness
- Diffuser included for uniform light



KEWLEDFLEXL



KEWLED24

LED Light Box

KALED24 Stainless-Steel LED Lighted Panel
- 28" x 7" polished stainless-steel case with laser-cut Snap-on® logo and a mirror-like finish
- Internal LED system contains two 27" strips lined with high quality LEDs
- Use on inside top chest and roll cart lids plus back riser walls
- Polished stainless-steel case with laser-cut *Snap-on* logo
- Two cool white extra bright internal LED strips pre-assembled in case
- White diffuser
- Wall outlet/switch adaptor included
- Compatible with US and Canadian electrical requirements
- Bright LED lighting with low power use
- Includes LED Flexible Light Strip (2" x 27") and 110–240V AC Power Adaptor with Switch



LED *Snap-on* Logo Display Panels
- Can be mounted to steel surface via included rare earth magnets
- Use AC or DC power comes with 110V AC plug and battery pack
- Acrylic panel is dipped and coated for abrasion resistance

Stock No.	Size, inches	Description
KALED28X7R	28 x 7	Red Light
KALED28X7B	28 x 7	Blue Light
KALED28X7G	28 x 7	Green Light
KALED28X7O	28 x 7	Orange Light
KALED28X7P	28 x 7	Pink Light
KALED28X7W	28 x 7	White Light
KALED8X11B	11 x 8	Blue Light
KALED8X11G	11 x 8	Green Light
KALED8X11O	11 x 8	Orange Light
KALED8X11P	11 x 8	Pink Light
KALED8X11R	11 x 8	Red Light
KALED8X11W	11 x 8	White Light
KALED12X15MC	12 x 15	Multi-color



KALED28X7R



KALED8X11R

WARNING
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ACCESSORIES: DECALS

Logo and Racing Decals

(Background is not a part of decal.)
Logo and racing decals show customers that you use the best while supporting Snap-on® Racing™ programs.



SS3266A



SS2201A

Stock No.	Description	Size, inches	Logo Color
SS2751A	*Snap-on* Logo Decal	43 x 8	White
SS2752A	*Snap-on* Logo Decal	43 x 8	Black
SS2753A	*Snap-on* Logo Decal	43 x 8	Silver
SS2809A	*Snap-on* Logo Decal	43 x 8	Red
SS3266A	*Snap-on* Logo Decal	23 x 4	White
SS2231A	*Snap-on* Logo Decal	23 x 4	Silver
SS2232A	*Snap-on* Logo Decal	23 x 4	Black
SS2808A	*Snap-on* Logo Decal	23 x 4	Red
SS2201A	*Snap-on* "S" Decal	13 x 8 1/2	White
SS2240A	*Snap-on* "S" Decal	13 x 8 1/2	Black
SS2241A	*Snap-on* "S" Decal	13 x 8 1/2	Silver
SS2810A	*Snap-on* "S" Decal	13 x 8 1/2	Red
SS2935A	*Snap-on* "S" Decal	23 x 15	White
SS2937A	*Snap-on* "S" Decal	23 x 15	Black
SS2936A	*Snap-on* "S" Decal	23 x 15	Silver
SS2938A	*Snap-on* "S" Decal	23 x 15	Red

HAND TOOL ORGANIZATION



A264A



63A5000



A269A



A271A

Socket Rails and Clips

Stock No.	Rail Length, inches	Clip Size
A265A	7 3/8	1/4" Drive
A267A	13 3/8	3/8" Drive
A269A	10 3/8	3/8" Drive
A270A	16 3/4	1/2" Drive
A271A	—	1/4" Drive (package of 25)
A272A	—	3/8" Drive (package of 25)
A273A	—	1/2" Drive (package of 25)
A274C	—	3/4" Drive (package of 25)

A264A Socket Rail Hold Down Clip
- Mounts to drawer, tote tray or wall board
- Snaps open to release socket rail
- Package of ten

63A5000 Hardware Clips Package
- Assorted socket rail clips in bag
- Fits Slots-N-Dots™ system (included with WorkStation risers)

A278 Mounting Clips
- 5/16"–3/4"
- Screws into 1/8" holes
- Package of ten

A279 Mounting Clips
- 5/8"–3/4"
- Screws into 1/8" holes
- Package of ten



LSR1406



LSR3812A



YA438B

Socket Rails (with Quick Release Locking Clips)

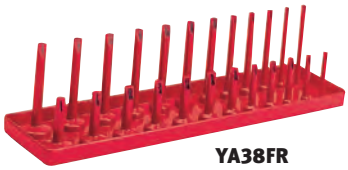
- Push button, spring-loaded clips provide for quick, easy release of socket, even with greasy hands
- Extruded aluminum socket rail for light weight and durability
- Detent ball at bottom of clip permits clip to be easily positioned on rail
- Rail also features laser-engraved *Snap-on* logo

Stock No.	Square Drive, inches	Clips	Rail Color	Overall Length, inches
LSR1406	1/4	6	Black	7 3/8 (187.3)
LSR1412	1/4	12	Black	10 (254)
LSR3812A	3/8	12	Black	12 (304.8)
LSR1213	1/2	13	Black	14 (355.6)

Movable Peg Socket Rails

- 18" rails feature adjustable pegs to organize sockets
- Pegs can be stacked for extra storage
- Adhesive backed rail

YA425B Socket Rail
1/4" square drive (20 pegs)
YA438B Socket Rail
3/8" square drive (18 pegs)
YA450B Socket Rail
1/2" square drive (14 pegs)
PEN7410 Replacement Square Pegs, 1/4"
PEN7411 Replacement Square Pegs, 3/8"
PEN7412 Replacement Square Pegs, 1/2"



YA38FR

Socket Holders with Posts

- All sockets are easily visible
- Each post is marked for correct socket size
- Sockets are easily removed with one hand
- Use for hand, power and impact sockets
- High-impact plastic resists oil and grease
- Socket must have a through hole (Some smaller Snap-on® sockets manufactured before 1983 do not have through holes)

Stock No.	Color	Square Drive, inches	Stores Socket Sizes (deep and shallow)	Overall Dimensions, inches
YA12FR	Red	1/2	3/8"–1 1/4" in 1/16" increments	18 x 4 x 3 3/4
YA12MET	Gray	1/2	10 mm–27 mm in 1 mm increments	20 1/2 x 3 1/2 x 3 3/4
YA14FR	Red	1/4	1/8"–5/8" in 1/16" increments	9 x 2 1/8 x 2 1/2
YA14MET	Gray	1/4	4 mm–15 mm in 1 mm increments	9 x 2 1/8 x 2 1/2
YA38FR	Red	3/8	1/4"–1" in 1/16" increments	11 3/4 x 3 x 3
YA38MET	Gray	3/8	6 mm–20 mm in 1 mm increments	13 1/8 x 3 x 3



BPMVSR12A



BPMVSR14A



BPMVSR38A

Magnetic Vertical Socket Rails

- View socket sizes quickly and easily with these new magnetic vertical socket rails
- Magnet backing (with protective foam covering) allows sockets to be attached to any metal surface
- Allows sockets to be placed on rack so size is visible
- Posts replaceable if lost or broken
- Can be laid down flat in drawer if necessary

BPMVSR14A Magnetic Vertical Socket Rail
1/4" drive

BPMVSR38A Magnetic Vertical Socket Rail
3/8" drive

BPMVSR12A Magnetic Vertical Socket Rail
1/2" drive



A263B



KTA500



BPSKTRLSTRY



YAURSET

Multi-Row Socket Trays

- Steel panel units have socket rails attached and a carrying handle

A263B Socket Holder
- Fits in top, below pallet
- For square drive tools to 4" deep
- Holds four 10 3/8" rows and two 3 1/2" rows of sockets
- Five-row organizer measures 10 1/8" x 8 1/4" (US Patent #5,284,245)

A288B Socket Holder
- Ten-row organizer measures 14 1/2" x 17 3/16"
- Two handles (US Patent No. #5,284,245)

KTA500 Multi-Row Socket Tray
- Holds up to 80 sockets in 1/4", 3/8" and 1/2" drive sizes
- Features one rail with (16) 1/4" drive clips, two rails with (16) 3/8" drive clips each and two rails with (16) 1/2" drive clips each
- Aligns sockets for fast, easy selection
- Use on roll carts and will fit into most roll cab/tool chest drawers
- Overall length of 20"
- 17 1/2" L x 7 9/16" W x 2 1/2" D
- Made of heavy gauge steel

BPSKTRLSTRY Multi-Row Socket Tray (Blue-Point®)
- Holds up to 80 sockets in 1/4", 3/8" and 1/2" drive sizes
- Four rails with (20) 1/4" drive clips, (30) 3/8" drive clips and (30) 1/2" drive clips
- Low-profile design to fit most drawer sizes
- Sturdy handle for either hanging or carrying the tray

YAURSET Socket Organizer
- Accommodates up to 60 tools in 1/4", 3/8" and 1/2" drive sizes
- Complete economical socket system organizes sockets in thel box drawer or on peg board; individual rails lift out for easy portability
- Includes ratchet extension storage

YA38UR 3/8" Drive Socket Organizer
- Holds up to 15 sockets
- Economical socket organizer rail fully adjusts to fit a wide variety of socket configurations

YAURCMH Horizontal Cart Mount Kit
- Holds up to 30 sockets
- Easily attaches to the side of mobile tool carts

YAURCMV Vertical Cart Mount Kit
- Holds up to 15 sockets or wrenches
- Easily attaches to the side of mobile tool carts

WARNING
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ACCESSORIES: HAND TOOL ORGANIZATION



BPTRYLAS



BPSSTRYLAS

Lock-A-Socket Trays (Blue-Point®)

BPTRYLAS Lock-A-Socket Tray
- Holds a variety of drive sizes on one tray
- Tray measures 8 3/4" x 20"
- Sockets are locked by turning to the right 90°, unlocked by turning to the left 90°
- Eight clips are included for ratchets and other attachments
  - Rubber pegs are located underneath for surface grip and protection
- Swivel handles included for easy carrying
- Manufactured from 16 gauge powder-coated steel for extra strength
- Lock-A-Socket posts are available separately and are interchangeable for customization

BPSSTRYLAS Lock-A-Socket Tray
BPTRYLAS, manufactured from 16 gauge stainless-steel for extra strength

MTSLAS50LP25 Lock-A-Socket Posts
1/2" drive posts for BPTRYLAS. Pack of 25.

MTSLAS38LP25 Lock-A-Socket Posts
3/8" drive posts for BPTRYLAS. Pack of 25.

MTSLAS25LP25 Lock-A-Socket Posts
1/4" drive posts for BPTRYLAS. Pack of 25.



YA38HTD

Socket Driver Tray

YA38HTD Socket Driver Tray
- Organizes the most commonly used 3/8" drive hex and TORX® socket drivers
- Use only with chrome hand socket drivers
- Sizes are clearly indicated on the holder
- Stores fractional hex drivers in 1/8" – 3/8" range (1/8", 9/6", 5/3", 3/1", 7/3", 1/4", 5/16" and 3/8"), metric hex drivers in 4–10 mm range (4 mm, 5 mm, 6 mm, 7 mm, 8 mm, 9mm and 10 mm) and *TORX* drivers from T27–T60 sizes (T27, T30, T40, T45, T47, T50, T55 and T60)
- Three open pockets for additional sockets
- Overall dimensions of 9 1/4" x 3 5/16" x 1/16"
- Made of durable, lightweight ABS plastic



KMAGBIT37R

Magnetic Hex Bit Holders/Rubber Base *(Blue-Point)*

- Magnetic base affixes to any ferrous metal without scratching surface
- Bits will stay in holder, even in upside down applications
- Non-transferable magnetic material will not magnetize tools or damage onboard automotive computers or other related circuitry
- Resists most shop chemicals
- Rubber base won't mar finishes
- Holds up to 37 bits
- Bits not included

KMAGBIT37O Magnetic Hex Bit Holder Orange
KMAGBIT37R Magnetic Hex Bit Holder Red
KMAGBIT37B Magnetic Hex Bit Holder Black



KMAG38S12O



KMAG38D12R



KMAG38SD24B

Magnetic Socket Holders *(Blue-Point)*

- Magnetic base affixes to any ferrous metal without scratching surface
- Sockets will stay in holder, even in upside down applications
- Non-transferable magnetic material will not magnetize tools or damage onboard automotive computers or other related circuitry
- Resists most shop chemicals
- Rubber base won't mar finishes

Stock No.	Color	Storage	Socket Size Ranges
KMAG14SD26B	Black	Holds 13 standard and 13 deep 1/4" drive sockets	1/4"–9/16", 4 mm–14 mm
KMAG14SD26O	Orange	Holds 13 standard and 13 deep 1/4" drive sockets	1/4"–9/16", 4 mm–14 mm
KMAG14SD26R	Red	Holds 13 standard and 13 deep 1/4" drive sockets	1/4"–9/16", 4 mm–14 mm
KMAG38S12B	Black	Holds 12 shallow 3/8" drive sockets	Up to 1"
KMAG38S12O	Orange	Holds 12 shallow 3/8" drive sockets	Up to 1"
KMAG38S12R	Red	Holds 12 shallow 3/8" drive sockets	Up to 1"
KMAG38D12B	Black	Holds 12 deep 3/8" drive sockets	Up to 1"
KMAG38D12O	Orange	Holds 12 deep 3/8" drive sockets	Up to 1"
KMAG38D12R	Red	Holds 12 deep 3/8" drive sockets	Up to 1"
KMAG38SD24B	Black	Holds 12 shallow and 12 deep 3/8" drive sockets	Up to 1"
KMAG38SD24O	Orange	Holds 12 shallow and 12 deep 3/8" drive sockets	Up to 1"
KMAG38SD24R	Red	Holds 12 shallow and 12 deep 3/8" drive sockets	Up to 1"



MR1426



MR3828BL

Magnetic Socket Trays

- Hold metric or fractional sockets in these molded ABS plastic trays
- Handle for easy movement to job sites

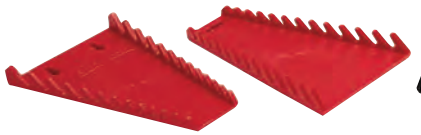
Stock No.	Color	Storage	No. of Compartments
MR1426	Red	Holds 13 standard and 13 deep 1/4" drive sockets	26
MR1426BL	Black	Holds 13 standard and 13 deep 1/4" drive sockets	26
MR3828	Red	Holds 13 standard and 13 deep 3/8" drive sockets	28
MR3828BL	Black	Holds 13 standard and 13 deep 3/8" drive sockets	28

MR1426 Magnetic Socket Tray
- For 1/4" drive sockets
- 26 compartments
- Storage for 13 standard, 13 deep sockets

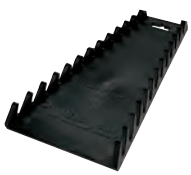
MR3828 Magnetic Socket Tray
- For 3/8" drive sockets
- 28 compartments
- Storage for 14 standard, 14 deep sockets

MR1426BL Magnetic Socket Tray
Black

MR3828BL Magnetic Socket Tray
Black



YA381A



YA389ABL

Wrench Organizers (Blue-Point®)

- The wrench holding tabs on the YA389 series are the reverse of the YA381 series so two or more sets can be stored side by side with all wrenches facing forward
- 6 1/4" x 2 1/2" x 9 1/2" long

Stock No.	Color	Storage
YA381A	Red	Holds up to 12 wrenches
YA381ABL	Black	Holds up to 12 wrenches
YA389A	Red	Holds up to 12 wrenches
YA389ABL	Black	Holds up to 12 wrenches

YA381A Wrench Organizer
Red, holds up to 12 wrenches

YA381ABL Wrench Organizer
Black, holds up to 12 wrenches

YA389A Wrench Organizer
Red, holds up to 12 wrenches

YA389ABL Wrench Organizer
Black, holds up to 12 wrenches



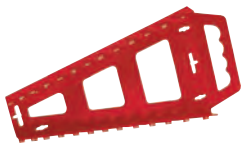
KRA15A

Wrench Organizers

Includes a pair of 24" long plastic organizers. Cut to desired length and attach to any drawer with foam backing.

KRA15A Wrench Organizer
For smaller wrenches

KRA22A Wrench Organizer
For larger wrenches



YA381FRA

Wrench Racks

- Specifically designed to hold up to 13 Snap-on® wrenches
- Wrench size is clearly visible on rack
- Fits 2" deep KRL drawers and most 2" deep KRA drawers
- Retaining tabs for convenient vertical mounting or carrying

YA381FRA Wrench Rack
Red, holds 1/4"–1" sizes

YA381MET Wrench Rack
Gray, holds 7 mm–19 mm sizes



MAGRAK10



WRM10



BPS14MWH



BPM14MWH

Magnetic Wrench Organizers *(Blue-Point)*

MAGRAK10 Magnetic Wrench Organizer
- Ten angular slots provide storage for most wrenches
- A ridge at the base prevents wrenches from contacting tool storage surfaces
- Mount magnetically for instant wrench access
- Black

MAGRAK10R Magnetic Wrench Organizer
- Red

WRM10 Adjustable Wrench Organizer
- Holds ten wrenches
- Adjusts to hold a variety of wrench sizes
- Magnets secure individual wrenches to rack
- Individual magnets hold each wrench securely at its center, allowing easy one-hand removal
- Magnetic holders slide on aluminum rail to adjust wrench spacing
- Base magnets secure the wrench rack to tool storage unit or other ferrous metal surfaces
- Base is made of non-scratch, heavy duty anodized aluminum
- Red

WRM10-B Adjustable Wrench Organizer
- Holds ten wrenches
- Blue

WRM15 Adjustable Wrench Organizer
- Holds 15 wrenches
- Red

BPS14MWH Magnetic Wrench Holder
- Holds sizes 1/4"–1" wrenches
- Strong magnets secure wrenches in place during movement
- Entire unit is magnetized to hold rack to drawer
- Blue

BPM14MWH Magnetic Wrench Holder
- Same as BPS14MHW except it holds 8 mm–21 mm wrench sizes
- Black

WARNING
• Images may be shown without actual warning labels
• Read safety precautions on pages W1 to W4

ACCESSORIES: HAND TOOL ORGANIZATION



YA384SSG7B



YA384SSG7R

Soft Grip Stubby Wrench Racks (Blue-Point®)

- Easily stores and organizes wrenches
- Fits all 2" deep drawers in Snap-on® tool storage units
- Mounting holes align with the Slots-N-Dots™ system on *Snap-on* WorkCenter riser units
- Molded handle allows easy transport of loaded rack
- Red and black color schemes allow user to easily differentiate fractional from metric sizes
- Racks may be trimmed for use with smaller wrench sets
- Flexible plastic material will not corrode or mar wrench finish

YA384SSG7B Stubby Wrench Rack
Holds seven stubby wrenches. Black.
YA384SSG10B Stubby Wrench Rack
Holds ten stubby wrenches. Black.
YA384SSG7R Stubby Wrench Rack
Holds seven stubby wrenches. Red.
YA384SSG10R Stubby Wrench Rack
Holds ten stubby wrenches. Red.



A277

Crowfoot Wrench Holder

A277 3/8" Crowfoot Holder
- Organize and store your crowfoot wrenches
- Two-piece design snaps apart for access to desired size
- 8 3/4" long



YA207

Magnetic Nut Holder

YA207 Nut Holder
- Flexible stainless-steel body with pivoting magnetic head clips onto open-end and box end wrenches
- Holds nut on sizes 3/8"–3/4" (10 mm–19 mm)



YA381SG12



YA389SG12

Soft Grip Wrench Racks

- Design holds wrench securely yet provides quick and easy release
- Easily stores and organizes wrenches
- Fits all 2" deep drawers in *Snap-on* tool storage units
- Mounting holes align with the *Slots-N-Dots* system on *Snap-on* WorkCenter riser units
- Molded handle allows easy transport of loaded rack
- Red and gray color schemes allow user to easily differentiate fractional from metric sizes
- Racks may be trimmed for use with smaller wrench sets
- Flexible plastic material will not corrode or mar wrench finish
- Available in standard and reverse styles for convenient side-by-side mounting in tool drawers (US Patent #5,638,964 applies)

Standard configuration (Red):
YA381SG8 Soft Grip Wrench Organizer
Holds up to eight wrenches
YA381SG12 Soft Grip Wrench Organizer
Holds up to 12 wrenches
YA381SG15 Soft Grip Wrench Organizer
Holds up to 15 wrenches
Reverse configuration (Gray):
YA389SG8 Soft Grip Wrench Organizer
Holds up to eight wrenches
YA389SG12 Soft Grip Wrench Organizer
Holds up to 12 wrenches
YA389SG15 Soft Grip Wrench Organizer
Holds up to 15 wrenches



TCK1827BBR

Tool Control Kits

TCK1827BBR Tool Control Kit 18" x 27"
TCK3627BBR Tool Control Kit 36" x 27"
TCK4020BBR Tool Control Kit 40" x 20"



BLP3CANHLDR



BLP2CANHLDR



BLPPTHLDR

Magnetic Can/Bottle Holder (Blue-Point®)

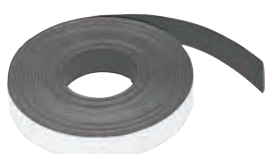
BLP3CANHLDR Magnetic Can/ Screwdriver Holder
- Ideal for use on side of toolbox or service cart
- Holds three spray cans and seven screwdrivers
- Spray can slot is 3" diameter
- Eight powerful cushioned magnets resist surface scratching
- Heavy gauge 0.80 mm black powder-coated steel construction
- Weight: 2.62 lb
- Dimensions: 5" W x 11.75" L x 5.12" H

BLP2CANHLDR Magnetic Can/ Screwdriver Holder
- Ideal for use on side of toolbox or service cart
- Holds two spray cans and five screwdrivers
- Spray can slot is 3" diameter
- Six powerful cushioned magnets resist surface scratching
- Heavy gauge 0.80 mm black powder-coated steel construction
- Weight: 1.92 lbs
- Dimensions: 5" W x 8.5" L x 5.12" H

BLPPTHLDR Magnetic Roll Towel Holder
- Ideal for use on side of toolbox or service cart
- Holds roll of shop towels (set of two holders)
- Powerful cushioned magnet resists surface scratching
- Heavy gauge 0.80 mm black powder-coated steel construction
- Weight: 1.38 lb Dimensions: 4" W x 5 1/8" L x 3 1/4" H (each piece)



KRSA30



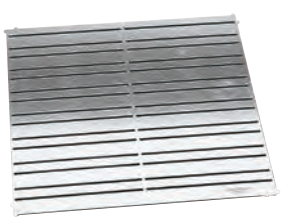
KRDDMAG130

Magnetic Tool Silhouettes

KRSA30 Magnetic Tool Silhouettes
- (30) 1" x 1 1/2" magnetic tool silhouettes
- Apply anywhere on tool storage unit to visually aid in tool organization
- Magnetic; leaves no sticky adhesive

Flexible Magnetic Strip

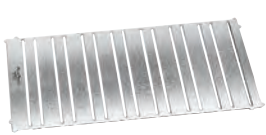
KRDDMAG130 Flexible Magnetic Strip
- Magnetic, adhesive-backed strip allows easy drawer divider attachment
- 1" wide, 30' long



KAMM1212



KAMM126



KAMM612



KAMM122

Magnetic Panels

- Magnetic base attaches to riser, toolbox, cart, creeper or any ferrous surface in seconds
- Tools are easily positioned on the magnetic panel
- Ideal for holding fasteners during removal and assembly operations
- High-strength magnets
- Made from 16 gauge steel. 3/16" thick
- Will not magnetize tools

KAMM1212 Magnetic Panel
Measures 12" x 12"

KAMM126 Magnetic Panel
Measures 12" x 6"

KAMM612 Magnetic Panel
Measures 6" x 12"

KAMM122 Magnetic Panel
Measures 2" x 10 5/8"

WARNING
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• Read safety precautions on pages W1 to W4

ACCESSORIES: MAGNETIC



BLPMPTSETA



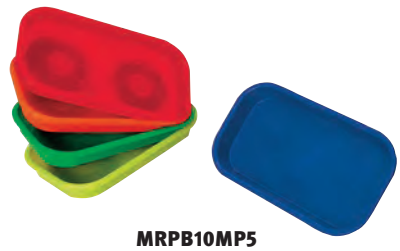
MRB5A



MRB10A



MRB12A



MRPB10MP5



MRB15A



BPMST135

Magnetic Trays and Dishes (Blue-Point®)

Magnetic Parts Trays
- Tray attaches to a cart or box with full-length magnets that cover the entire backside of tray
- Holds nuts, bolts, sockets or a variety of other tools and hardware
- Tray won't scratch paint and attaches to any flat metal surface
- Corrosion-resistant finish

BLPMPT6A Magnetic Parts Tray
6" long

BLPMPT8A Magnetic Parts Tray
8" long

BLPMPT10A Magnetic Parts Tray
10" long

BLPMPT12A Magnetic Parts Tray
12" long

BLPMPTSETA Set
One each of BLPMPT6A, BLPMPT8A, BLPMPT10A and BLPMPT12A

MRB5A Magnetic Bowl
- Round stainless-steel dish features powerful mounting magnet
- Securely holds small parts and tools
- 5 3/8" ID

MRB10A Magnetic Tray
- Rectangular magnetic tray holds metal parts and small tools
- Magnetically attaches to any flat iron or steel surface
- Measures 9 1/2" x 5 1/2"

MRB12A Magnetic Tray
- Rectangular magnetic tray holds metal parts and small tools
- Magnetically attaches to any flat iron or steel surface
- Features three 3 1/8" diameter magnets that are rubber coated to prevent scratching
- Measures 6 5/16" x 14 7/32"

MRPB10MP5 Magnetic Dish (5 pack)
- Each tray measures 9 1/2" L x 5 1/2" W x 1 1/8" D
- Molded plastic design coupled with rubber base helps prevent damage to vehicle finish
- Fully magnetized to hold contents and adhere to ferrous surfaces
- Use upside down or on the side of the vehicle
- Each tray weighs 1.4 lb
- Package of five trays includes one tray each in the following high visibility colors: red, orange, green, yellow and blue

MRB15A Magnetic Tool Tray
- Keep tools or parts within easy reach with this magnetic tray
- Stainless-steel with four large rubber based magnets on the bottom to resist scratching
- 11 5/8" L x 10 3/4" W x 1/2" D

BPMST135 Storage Tray
- Create additional workspace for your toolbox or roll cart
- Strong magnetic panel inside tray holds a variety of metal objects like sockets, nuts, bolts, extensions and parts
- Hangs easily on the side of a drawer or toolbox tray
- Made of heavy duty powder-coated steel
- Measures 2" H x 2" D x 13 1/2" L



YA162



KAMR123

Magnetic Bar Tool Holders

Magnet holds tools for easy access

YA161 Magnetic Tool Bar Holder
Black finish, 24" long

YA162 Magnetic Bar Tool Holder
Black finish, 13" long

KAMR123 Magnetic Bar Tool Holder
- Can magnetically mount to metal surface or can be screw-mounted
- Measures 11 3/4" L x 2 1/4" W x 7/8" D
- Housing is black finish with chrome finished magnet plate



YA209

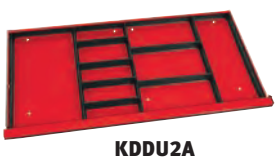


MAGWRENCH

YA209 Magnetic Bar Tool Holder
Chrome finish, 24" long

MAGWRENCH Magnetic Bar Tool Holder (Blue-Point®)
- Industrial strength magnets keep it secured to a metal surface
- Holds tools for quick and easy access
- Chrome-plated steel bar with chrome-plated nylon ends
- Overall size is 20" (with approximately 12" of magnetic holding space)

DRAWER ORGANIZATION



KDDU2A



KDD2C-4A

Plastic Drawer Dividers/2" Drawer Height

Stock No.	Drawer Style	Inside Drawer Dimensions, inches	Box Depth, inches
KDD402A	Heritage	1 19/32 H x 21 W x 17 D	20
KDD412A	KRA4107/ KRSC46	1 19/32 H x 34 1/2 W x 17 D	20
KDD702A	KRL722/56/ Classic	1 19/32 H x 14 7/16 W x 21 1/2 D	24
KDD712A	KRL narrow	1 19/32 H x 14 7/16 W x 26 1/2 D	29
KDD722A	KRL722/56/ Classic	1 19/32 H x 30 3/16 W x 21 1/2 D	24
KDD732A	KRL medium	1 19/32 H x 30 3/16 W x 26 1/2 D	29

ALL SETS (except KDDU2A) – Each set is designed to fit specific KRA and KRL drawers. Set includes four pre-cut perimeter rails that fit along the inside wall of drawers, four corner clips to attach perimeter rails to each other and an assortment of pre-cut adjustable divider rails and divider clips that match the size of the specified drawer. KDDU2 SET ONLY – Universal set that fits any Snap-on® tool storage drawer. Rails can be cut to desired length.

KDD52-6A Drawer Divider Rail
5" long. Pack of six.

KDD72-6A Drawer Divider Rail
7" long. Pack of six.

KDD122-6A Drawer Divider Rail
12" long. Pack of six.

KDD2-20A Drawer Divider Rail Clips
Rail divider clips. Use to attach divider rails to perimeter rails or to other divider rails. Pack of 20.

KDD2C-4A Perimeter Rail Corner Clips
Perimeter rails and corner clips. Pack of four.

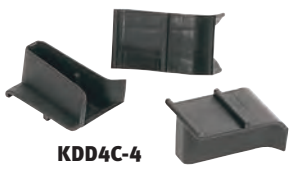
KDD2L-2A Drawer Divider Rail
35" long universal drawer divider rails. Can be cut to any length. Pack of two.

KDDU2A Drawer Divider Set
Fits one drawer deeper than 1 1/2". Includes: perimeter rail set (4pc w/corner clips), 26" divider rails (three each), 12" divider rails (three each), 7" divider rails (three each), 5" divider rails (three each) and divider clips (14 each).

KDDP2A Perimeter Rail Set
35" rails (four each) and corner clips (four each)



KDD54-6



KDD4C-4

Plastic Drawer Dividers/4" Drawer Height

Stock No.	Drawer Style	Inside Drawer Dimensions, inches	Box Depth, inches
KDD404	KRA medium	3 19/32 H x 21 W x 17 D	20
KDD414	KRA wide	3 19/32 H x 34 1/2 W x 17 D	20
KDD704	KRL narrow	3 19/32 H x 14 7/16 W x 21 1/2 D	24
KDD714	KRL narrow	3 19/32 H x 14 7/16 W x 26 1/2 D	29
KDD724	KRL medium	3 19/3 H x 30 3/16 W x 21 1/2 D	24
KDD734	KRL medium	3 19/32 H x 30 3/16 W x 26 1/2 D	29

KDD404, KDD414, KDD704, KDD714, KDD724, KDD734 SETS ONLY – Each set includes four pre-cut perimeter rails that fit along the inside wall of drawers, four corner clips to attach perimeter rails to each other and an assortment of precut adjustable divider rails and divider clips that match the size of the specified drawer. KDDU4 SET ONLY – Same as other sets except rails are not pre-cut. All rails must be cut to desired length. Fits any *Snap-on* tool storage drawer.

KDD54-6 Drawer Divider Rail
5" long. Pack of six.

KDD74-6 Drawer Divider Rail
7" long. Pack of six.

KDD124-6 Drawer Divider Rail
12" long. Pack of six.

KDD4C-4 Perimeter Rail Corner Clips
Perimeter rails and corner clips. Pack of four.

KDD4-20 Drawer Divider Rail Clips
Rail divider clips. Use to attach divider rails to perimeter rails or to other divider rails. Pack of 20.

KDD4L-2 Drawer Divider Rail
35" long universal drawer divider rails. Can be cut to any length to fit any drawer storage need. Pack of two.

KDDU4 Drawer Divider Set
- Includes: perimeter rails that fit along the inside wall of drawers, four corner clips to attach perimeter rails to each other, and an assortment of adjustable divider rails and divider clips that fit any *Snap-on* tool storage drawer
- All rails must be cut to desired length

KDDP4 Perimeter Rail Set
35" rails (four each) and corner clips (four each)

WARNING
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ACCESSORIES: DRAWER ORGANIZATION

Angled for easy adjustment and parts removal. Perimeter rails with adjustable slots fit around the inside wall of the drawer.

Width and length of spaces offer a wide range of adjustment with a variety of divider widths. Made from galvanized steel.



KADDS2404

Drawer Dividers, Steel

- Designed to be used in all KRL Masters series (24" and 29" deep), Classic series (24" deep) and KRA6200 series road chests
- Simply place the side edges and front/back edges around the perimeter of the drawer and then locate middle dividers and divider tabs wherever they are needed (in 3", 5", 7", 10" and 15" width increments)
- Additional individual components for KRL1000 and KRL7000 series (29" deep) available at www.snapon.com/toolstorage

KADDS3022 Steel Drawer Divider Set
- Use on 20" wide, 2" high EPIQ drawers
- Set includes four perimeter rails, two front-to-back rails and six individual dividers

KADDS3024 Steel Drawer Divider Set
- Use on 20" wide, 4" high EPIQ drawers
- Set includes four perimeter rails, two front-to-back rails and six individual dividers

KADDS3032 Steel Drawer Divider Set
- Use on 30" wide, 2" high EPIQ drawers
- Set includes four perimeter rails, three front-to-back rails and eight individual dividers

KADDS3034 Steel Drawer Divider Set
- Use on 30" wide, 4" high EPIQ drawers
- Set includes four perimeter rails, two front to back rails and eight individual dividers

KADDS3822 Steel Drawer Divider Set
- Use on 38" wide, 2" high EPIQ drawers
- Set includes four perimeter rails, two front-to-back rails and six individual dividers

KADDS3844 Steel Drawer Divider Set
- Use on 38" wide, 4" high EPIQ drawers
- Set includes four perimeter rails, two front to back rails and six individual dividers

KADDS2902 Steel Drawer Divider Set
- Use on Masters or Classic series Wide, 2" high drawers (29" roll cab depth)
- Set includes four perimeter rails, three front-to-back rails and eight individual dividers

KADDS2904 Steel Drawer Divider Set

KADDSN2902 Steel Drawer Divider Set
- Use on Masters or Classic series Narrow, 2" high drawers (29" roll cab depth)
- Set includes four perimeter rails, two front-to-back rails and nine individual dividers

KADDSN2904 Steel Drawer Divider Set
- Use on Masters or Classic series narrow, 4" high drawers (29" roll cab depth)
- Set includes four perimeter rails, two front-to-back rails and nine individual dividers

KADDS2404 Drawer Divider Kit, 4"
Use on KRA2407, KRA2411, KRA2418, KRL722, KRL756 series

KADDS2402 Drawer Divider Kit, 2"
Use on KRA2407, KRA2411, KRA2418, KRL722, KRL756, KRA6200 and KRA6210 series

Handle Mounting Kits and Holders

KAMH2024A Handle Mounting Kit Classic/ Heritage/Carts
- Kit includes mounting plate, vertical arm and horizontal swivel arm

KAMH2930 Handle Mounting Kit KRL 29" and EPIQ
- Kit includes mounting plate, vertical arm and horizontal swivel arm

KAMHLAP Laptop Holder
- Use with most laptop computers
- Requires handle mount kit

KAMHTBLT Tablet Holder
- Use on iPad® Version 2 thru Version 4 and some other tablets
- Requires handle mount kit

KAMHMP Monitor Plate
- Designed with standard mounting hole patterns for monitors up to 24"
- Requires handle mount kit

KAMHBK Keyboard Holder
- Holds standard sized keyboards
- Requires handle mount kit

KAMHEXT Vertical Extension Rod
- Increases height of standard mounting kit by 15" to 71" total

KAMHWL Wire Holding Loops
- Helps to manage and route wiring
- Included with some of the Handle Mount System accessories



KAMH2024A Handle Mount
KAMHTBLT Tablet Holder


YA3089A


KASR12APV


KAT12APV


KAS12PWRPV


KAMS18PV

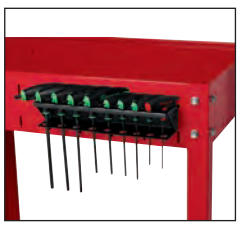

KAS12APV


KALS15


KAHCK33


KAHK63


KAHLK33


KATR12PV


KATVBRKT

WorkCenter Accessories

- Use these quality accessories to enhance the organization and storage capabilities of the KRL7000 WorkStation series
- All accessories designed to work with the Slots-N-Dots™ mounting system

Looped Tool Organizer. Loops hold screwdrivers, extensions, ratchets, pliers and other small hand tools.

YA3086A Looped Tool Organizer
6" long

YA3089A Looped Tool Organizer
9" long

YA3123A Looped Tool Organizer
12" long

YA3182A Looped Tool Organizer
17 1/2" long

KAT12APV Spray Can Rack (12")
- Holds 3-4 spray cans
- 12" long

KAT18APV Spray Can Rack (18")
- Holds 5-6 spray cans
- 18" long

KASR12APV Screwdriver Rack
- Holds up to seven screwdrivers or other tools
- 12" long

KASRS12PV Screwdriver Rack
- Slotted in front for straight in/out
- Great for workstations

KAS12PWRPV Power Tool Rack
- Holds three units
- Fits all slotted walls found on carts and WorkStation

KAMS18PV Shop Manual Stand
- Shop manual stand with page holder
- 18" wide

KAS12APV Flat Utility Shelf

KAPR24PVB Prybar Rack
- Holds prybars up to 48"
- Mounts to all EPIQ, Masters, Classic and KRSC100 series
- Black textured finish

KALS15 Laptop Stand (15")
15" Laptop Stand. Mounts to *Slots-N-Dots* system.

KAHCK33 Curved Hook (3")

KAHK63 Extended Hook (6")

KAHLK33 Loop (3")

KATR12PV T-Handle Rack (12")
12" T-Handle rack. Mounts to *Slots-N-Dots* system.

KATVBRKT Monitor Mounting Bracket
- Simple and convenient way to display a flat panel television in Snap-on® WorkCenters
- The bracket fits monitor screens from 12"–36" sizes
- The mounting holes are Video Electronics Standards Association (VESA®) compatible and will fit most mounting hole patterns on the back of flat-panel monitors
- Hardware and mounting instructions mount most monitors included
- Attach wall mount to television first, making it very simple to install with one person
- It is recommended to have an assistant when installing to the *Slots-N-Dots* mounting system of *Snap-on* WorkCenters

KEWLED24 WorkStation Light
- Flexible shaft can be bent up to 160° to provide lighting where needed
- Magnetic flexible posts make it easy to install on any flat steel surface above or on the back wall
- 144 LEDs located throughout entire length of light for maximum brightness
- Diffuser included for uniform light


KEWLED24


KRA17B

Plastic Drawer Dividers

KRA17B Drawer Divider
- Partition drawers by cutting divider to desired length
- Attach to drawer with foam backing
- 24" long

KRA27B Drawer Divider
- Same as KRA17B
- 31" long

Plastic Parts Tray Drawer Inserts


SPP804-2

- Lightweight but tough reinforced polymer construction
- Each compartment has an area for labeling, if desired
- Use in tool drawers or cart to organize fasteners, clips, etc.
- Fits into a 2" narrow drawer, such as on KRL722, KRA2411 and KRA2418 models

SPP804-1 Parts Tray
- 14 compartments
- 1 5/16" H x 14 9/16" W x 21 7/16" D

SPP804-2 Parts Tray
- 35 compartments
- 1 5/16" H x 14 9/16" W x 21 7/16" D

WARNING
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ACCESSORIES: SHELVES, TRAYS AND RACKS



KRA412FPBO

Shelves, Hangers and Racks

KRA412FPBO Folding Shelf
- Fits all KRA4000 and KRA5000 series roll cabs and KRSC43/46-series carts (requires KRSC404APV adaptor plate)
- Bracket slips over raised lip of roll cab
- Full-length piano hinge
- Folds down when not in use
- 18 1/4" x 18" x 1/4" rim
- Red

KRSC312FPBO Folding Shelf
- Fits all KRSC33A carts
- Red

KRSC312FPV Folding Shelf
- Fits all KRSC33A carts
- Textured Black

Rubber Mat

JKRR412AR Rubber Mat
Fits KRA412 series folding shelves



KRJC23AAPV

KRJC23AAPV Creeper Hanger
- Secures creepers to roll cabs
- Hanger hooks over lip of roll cab and screws down
- Adjustable to four different creeper widths
- Two hook bolts and a lock rod are included so creeper can be padlocked (not included) (US Patent #5,407,170)
- 16 13/16" length
- Black textured finish



EEDMRACKM

EEDMRACKM Storage Rack
- Convenient rack to hold circuit testers, DMM lead sets, amp clamps, temperature probes and other accessories for multimeters
- Can be mounted to wall with screws or placed on roll cab with magnetic block



KRA19

Hang-on Parts Trays

KRA19 Hang-on Parts Tray
- Organize small parts or spray cans
- Hang on roll cabs or tool chest with 1/4" or more lip
- Also for use in drawers as storage trays
- Measures 15" x 3" x 2 1/4"

KRA20 Hang-on Parts Tray
Same as KRA19. Measures 25" x 3" x 2 1/4".

KAPR17 Series Prybar Rack
- Fits all KRSC43/KRSC46, Heritage and Classic
- Holds prybars up to 36"
- Holds 23 handled tools

KAPR17PBO Prybar Rack, Red
KAPR17PC Prybar Rack, Gloss Black
KAPR17PCM Prybar Rack, Royal Blue
KAPR17PDG Prybar Rack, Midnight Blue
KAPR17PES Prybar Rack, Ultra Yellow
KAPR17PJH Prybar Rack, Candy Apple Red
KAPR17PJJ Prybar Rack, Extreme Green
KAPR17PJK Prybar Rack, Electric Orange
KAPR17POT Prybar Rack, Flat Black



KAPR17PBO

KR294AAPV Hang-On Prybar Rack
- Hang up to four prybars or long tools with handles
- Notched angle plate keeps tools from shifting
- Suspend from roll cab or tool chest with 1/4" or more lip



KR294AAPV

KAPR24PVB Prybar Rack
- Holds prybars up to 48"
- Mounts to all EPIQ, Masters, Classic and KRSC100 series
- Black textured finish

KR295 End Cab (Red)
- End cabs offers 28 holes in various diameters for safe and secure storage of small prybars and other long tools
- Hole specifications; eight holes (5/8"), ten holes (3/4"), four holes (7/8"), four holes (1") and two holes (1 1/4")



KR295

KR295PV Textured Black

Sliding Trays

Provide additional work or storage surface

KA41X36 Sliding Tray
Maximize drawer space. Fits common Heritage and KRSC series.

KA41X36-6 Tray Divider Set
Set includes six additional dividers for the KA41X36 sliding tray.



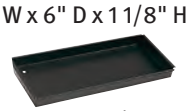
KA41X36 Tools shown not included

KA31X36 Sliding Tray
Maximize your 31" drawer space. Fits Masters and Classic series

761XL36APV Sliding Tray
Fits Masters and Classic. Measures 30.06" W x 6" D x 1.12" H

1001XL36PV Sliding Tray
Fits Masters and Classic. Measures 14 1/8" W x 6" D x 1 1/8" H

1003X36PV Sliding Tray
Fits KR761, KR1001 and KR1003 series. Measures 14 5/8" W x 6" D x 1 1/8" H



1003X36PV

30AE3836PV Sliding Parts Tray
- Same as 30AE2036PV
- 38" wide
- Use on KEXP725A, KERP843B and KERN682B EPIQ roll cabinets

30AE2036PV Sliding Parts Tray
- Optional parts tray for EPIQ roll cabinets
- Accommodates wide variety of tools for convenient access
- Utilize empty space at the top of the toolbox drawer
- 20" wide
- Use on KEXP725A, KEXN725A, KEXN603A, KERP763B, KERP843B, KERN842B, KERN843B, KERN602B, KERN682B EPIQ roll cabinets

30AE3036PV Sliding Parts Tray
- Same as 30AE2036PV
- 30" wide
- Use on KEXP725A, KEXN725A, KEXN603A, KERP763B, KERN843B and KERN602B EPIQ roll cabinets


KRBL4


8-27336A

Locking Bars

Serve as a secondary locking system when ultimate protection is called for. Padlock must be purchased separately. Hardware included.

KRBL2 Lock Bar
32" long. For use on KRL722, KRA2411 and KRA2418.

KRBL4 Lock Bar
36 13/32". For use on KRL1022 and KRL1023.

KRABL2 Lock Bar
32" long. For use on all KRA Series Roll Cabs except KRA2400 series.

8-26836A Lock Bar
Hinged secondary lock bar fits side of low-profile KRL roll cabs such as KRL756 series (similar to 8-27336A).

8-27336A Lock Bar
Fits all Heritage and Blue-Point® hinged manual lock bars. Secondary lock system uses padlock for extra security (not included).

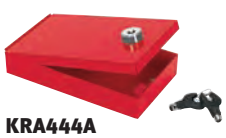
Step Stool

KASS13 Step Stool/Seat
- Versatile step stool, seat and storage unit all in one
- Holds up to 305 lb and has non-skid rubber grommets for stability
- Large interior storage capacity with built-in tote tray
- Has a handle for mobility that folds flat when used as a stool
- 13" H x 22" W x 15" D


KASS13

Accessory Box

KRA444A Accessory Box
- Lockable box mounts inside roll cab or tool chest for protection of valuables
- 8 1/4" x 4 3/4" x 1 1/4"
- Requires 2" minimum drawer depth


KRA444A

Keychain *(Blue-Point)*

GA155A Keychain
- Spring retractable, 24" chain
- Clips onto belt or pocket


GA155A

Floor Lock Kits

- For roll cabs that require better roll cab immobilization

KRFL6A Adjustable Floor Lock Kit
- For KRL Masters series
- 29" deep, 54" wide and larger


KRFL6A


ML1A


ML1504DA

Padlocks

Master Lock® padlocks. Brass cylinders, nickel/silver pin tumblers and brass locking levers for maximum locking protection.

ML1A Padlock
1 3/4" steel case, 5/16" diameter

ML3A Padlock
1 1/2" steel case, 9/32" diameter

ML7A Padlock
1 1/4" steel case, 3/16" diameter

ML1504DA Combination Padlock
- Case hardened 9/32" steel shackle offers protection against cutting and sawing
- Secure three-digit combination
- Automatic locking lever


KACKFLTCLNR

Cleaning Supplies

- Water-based solution is body shop-safe
- To be used on toolboxes, shop equipment and even tools. It is safe on plastic so it can be used for diagnostic hand-held product as well

KACKCLEANER Cleaner/Degreaser, 16 oz
- Safely remove grease, dirt, oil, fingerprints and more

KACKFLTCLNR Matte & Flat Finish Cleaner/ Degreaser, 16 oz
- Safely remove grease, dirt, oil, fingerprints and more
- Cleans without adding a shine to the flat/matte surface

KACKSPDWAXX Speed Wax, 16 oz
- Bring back the shine, and resist water spots, dust, fingerprints and grease

KACKLQDPLSH Liquid Polish, 7.6 oz
- Safely clean, polish and protect stainless-steel and anodized aluminum

KACKMCFIBER1 Microfiber Cloth, 16" x 16"
- Microfiber cloth is machine-washable, lint-free and can be used wet or dry

KACKCAREKIT Premium Care Kit
- Safely remove grease, dirt, oil, fingerprints and more with the cleaner/degreaser
- Bring back the shine and resist water spots, dust, fingerprints and grease with the Speed Wax
- Safely clean, polish and protect stainless-steel and anodized aluminum with the Liquid Polish
- Microfiber cloth is machine-washable, lint-free and can be used wet or dry
- Kit includes one 1.7 oz. bottle of spray cleaner, one 1.7 oz bottle of liquid polish, one 3.4 oz bottle of Speed Wax and one 16" x 16" microfiber cloth

WARNING
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

ACCESSORIES: FLOOR AND KNEELING MATS



JKAFM36102DP

Anti-Fatigue Diamond Plate Floor Mats

- Skid-resistant chrome diamond plate mat surface
- Flexible anti-fatigue material with extra padding
- Durable, easy to clean and damage resistant

	Stock No.	Size, inches
Diamond Plate Anti-Fatigue Floor Mat	JKAFM3636DP	36 x 36
	JKAFM3648DP	36 x 48
	JKAFM3654DP	36 x 54
	JKAFM3660DP	36 x 60
	JKAFM3672DP	36 x 72
	JKAFM36102DP	36 x 102
	JKAFM36120DP	36 x 120



JKAFM2436BK



JKAFM2448BR

Cushioned Floor Mats

- Exceptional anti-fatigue properties
- Eases lower back stress and leg and foot discomforts from prolonged standing on hard surfaces
- Under padding hugs the smoothest floor surfaces to prevent mat slippage
- Skid-resistant diamond plate mat surface provides sure footing
- Mat resists most shop chemicals
- Graphics are inlaid PVC for greater wear resistance

	Stock No.	Size, inches		Stock No.	Size, inches
Black Mat with Red Snap-on® logo	JKAFM2436BK	24 x 36	Black Mat with Red Border/Red *Snap-on* logo	JKAFM2436BR	24 x 36
	JKAFM2448BK	24 x 48		JKAFM2448BR	24 x 48
	JKAFM2460BK	24 x 60		JKAFM2460BR	24 x 60
	JKAFM2472BK	24 x 72		JKAFM2472BR	24 x 72
	JKAFM3636BK	36 x 36		JKAFM3636BR	36 x 36
	JKAFM3648BK	36 x 48		JKAFM3648BR	36 x 48
	JKAFM3660BK	36 x 60		JKAFM3660BR	36 x 60
	JKAFM3672BK	36 x 72		JKAFM3672BR	36 x 72
	JKAFM3676BK	36 x 76		JKAFM3676BR	36 x 76
	JKAFM3684BK	36 x 84		JKAFM3684BR	36 x 84



JKAFM3654CAS



JKAFM3654EGS



JKAFM3654RBS

Color “S” Logo Floor Mats

- The *Snap-on* “S” logo graphics on the floor mat are color-coded to match the color of the tool storage unit
- Anti-fatigue cushioned floor mat – 36" W x 54" L
- Floor mat eases lower back stress and leg and foot discomfort from prolonged standing on hard surfaces
- Floor mat resists most shop chemicals and provides a sure footing surface

Stock No.	Size, inches	Description
JKAFM3654CAS	36 x 54	Black with Candy Apple Red “S” Logo
JKAFM3654EGS	36 x 54	Black with Extreme Green “S” Logo
JKAFM3654EOS	36 x 54	Black with Electric Orange “S” Logo
JKAFM3654RBS	36 x 54	Black with Royal Blue “S” Logo
JKAFM3654RDS	36 x 54	Black with Red “S” Logo
JKAFM3654PKS	36 x 54	Black with Pink “S” Logo



MAT13PK

Kneeling Mats

MAT19PK Kneeling Mat

- Kneeling mat is constructed from three layers of high density foam for comfort
- Black with *Snap-on* logo
- Handle for ease of carrying
- Only available in a package of five

MAT13PK Kneeling Mat

- Cushioned floor mat can help reduce fatigue, protect clothing and increase comfort
- Multi-layered closed foam construction is durable and tear-resistant
- Resistant to most shop chemicals
- Measures 8 1/2" x 13" x 1 1/8" thick
- Only available in a package of five

MAT38PK Kneeling Mat

- Cushioned creeper mat can be used on a creeper or on the floor
- Multi-layered foam construction is durable and tear-resistant
- Resistant to most shop chemicals
- Measures 15 3/4" x 38 1/2" x 1 1/8" thick
- Only available in a package of five

Detent Kits

Detent kits for ball bearing slides. Kits include standard detents for normal use or firmer retrofit detents to help prevent unlocked drawers from inadvertently rolling open.

8-88CWRK Detent Kit
Two pairs of wide detents. Gray pair for increased stiffness. Off-white pair for standard stiffness.

8-88HBRK Detent Kit
A pair of heavy duty standard cabinet member bumper kits for use with latch (black).

8-88HDRK Detent Kit
A pair of heavy duty cabinet member detent kits for use without latch (gray).

8-88HSRK Detent Kit
A pair of heavy duty intermediate member sequencing detent kits for use with/without latch (black).

8-88ANRK Detent Kit
A pair of narrow, firm stiffness detent kits for drawers without latch (gray).

8-88RRK Detent Kit
A pair of firm stiffness detent kits for over under slide used on KR Series units (gray).



8-88HBRK 8-88RRK

8-88ASNRK Detent Kit
A pair of narrow, standard stiffness detent kits for drawers without latch (black).

8-88SWRK Detent Kit
A pair of wide, standard stiffness detent kits (black).

8-88WRK Detent Kit
A pair of wide, firm stiffness detent kits (gray).

Ball Bearing Drawer Slides

8-05088ALRS Drawer Slide Set
Left/right slide kit with screws. For KRL700 series tool storage units.

8-05188ALRS Ball Bearing Slide
Set Left/right slide kit for Classic KRA2400 series

8-05288ALRS Ball Bearing Slide Set
Left/right slide kit with screws. For all narrow and wide drawers in KRA2000/KRA4000/KRA5000 series units and KRSC series carts.

8-05388ALRS Drawer Slide Set
Left/right slide kit with screws. For KRL1000/KRL7000 series tool storage units.



8-05488AS Ball Bearing Slide Set
Includes two slides and screws. For KRL712 series lockers and KRL7015 series end cabs.

8-05588AS Ball Bearing Slide Set
Includes two slides and screws. For KRL1012/KRL7012 lockers and KRL1015/KRL7015/KRLV7015 end cabs only.

KRL Series Drawer Control (Special Order)

Available for new KRL series roll cabs and top chests. Drawer control permits only one drawer per bank to be opened at a time, reducing the chance of the unit tipping. Existing units cannot be retrofitted. Special order.

Drawer Latches

10-185B Lock'n Roll® Latch (Narrow Bank)
Drawer latch for narrow bank drawers on KRL700/KRL1000/KRL7000 series tool storage units.

10-285B *Lock'n Roll* Latch (Wide Bank)
Drawer latch for wide bank drawers on KRL700/KRL1000/KRL7000 series tool storage units and KRA4000 series 40" wide drawers.

10-385B *Lock'n Roll* Latch (Extra Wide Bank)
Drawer latch for extra wide bank drawers on KRL700/KRL1000/KRL7000 series tool storage units.

10-485B *Lock'n Roll* Latch (Narrow Bank)
Drawer latch for narrow bank drawers on KRA4000 series tool storage units.

10-885B *Lock'n Roll* Drawer Latch (Wide)
Drawer latch for narrow bank drawers on KRA4000 series 26" wide and wide bank of 40" wide units.

10-01085A *Lock'n Roll* Drawer Latch 67"
Drawer latch for wide bank drawers on KRL1032B(C) and KRL1033(A) roll cabs.

10-01185A *Lock-n-Roll* Drawer Latch
Drawer latch for KRL1099.

Touch-up Paint

Color	1/2 oz Bottle Stock No.	12 oz Spray Can Stock No.	PPG Powder No.	PPG Ditzler Wet Spray No.
Red	PN2-83408	REP12A	AR320 Resin	73504
Black (High Gloss)	PN2-84208	PN12-84208	PCU-90200	9895 (9300)
Black (Textured)	—	PN12-86908	PCU-90106	9817
Royal Blue	PN286308	PN1286308	PCU-50134	19026
Cranberry	PN2-84508	PN12-84508	PCU-60139	51797
Ultra Yellow	PN2-87808	PN12-87808	PCU-30115	84199
Green Mica	PN286708	PN1286708	PCU-43100	47767
Deep Purple	PN2-87408	PN12-87408	PCU-60122	52560
Candy Apple Red	PN2-809508A	PN12-809508A	PCU-60137	902979
Electric Orange	PN2-809908A	PN12-809908A	PCU-30132	90621
Arctic Silver	PN2-810208A	PN12-810208A	PCU-73120	910517
Extreme Green	PN2-809808A	PN12-809808A	PCU-40134	906120
Tractor Green	PN2-85308	PN12-85308	PCU-40400	47403
White	PN285208	PN1285208	PCU-80103	91207
Midnight Blue	PN2-87308	PN12-87308	PCU-50117	191009
Flat Black	PN2-811308A	PN12-811308A	PCUP-90105	—
Clear	PN2-CLEAR	PN12-CLEAR	—	—



REP12A

PN1286308

PN286308

⚠WARNING

- Wear mask when using aerosol spray
- Images may be shown without actual warning labels
- Read safety precautions on pages W1 to W4

ACCESSORIES: TOOL STORAGE UNIT MAINTENANCE

Casters

Replacement casters for Snap-on® Tool Storage Roll Cabs

Stock No.	Description	Capacity, lb	Size, inches	Material	Application
8-20739	Heavy Duty Swivel Caster	900	6 x 2	GLA-NYL	KRL1056A, KRL722, KRL756A
8-20839	Heavy Duty Rigid Caster	900	6 x 2	GLA-NYL	KRL1056A, KRL722, KRL756A
8-30939	Extra Heavy Duty Rigid ISO-Ride® Caster	1,700	6 x 2	GLA-Polymer	KRL1022A, KRL1033, KRL1024A, KRL1023A, KRL1043A, KRL1053A, KRL1065A, KRL7022A, KRL7023A, KRL7065A
8-30839	Extra Heavy Duty Swivel *ISO-Ride* Caster	1,700	6 x 2	GLA-Polymer	KRL1022A, KRL1033, KRL1024A, KRL1023A, KRL1043A, KRL1053A, KRL1065A, KRL7022A, KRL7023A, KRL7065A
8-26939A-SL	*ISO-Ride* Swivel Lock, Optional	—	—	—	KRL1022A, KRL1033, KRL1024A, KRL1023A, KRL1043A, KRL1053A, KRL1065A, KRL7022A, KRL7023A, KRL7065A
8-27980A	Heavy Duty Rigid Caster	900	6 x 2	GLA-Polymer	KRL1056B, KRL722A, KRL756B
8-28039A	Heavy Duty Swivel Caster	900	6 x 2	GLA-Polymer	KRL1056B, KRL722A, KRL756B
8-28139B	Medium Duty Swivel Caster	600	6 x 2	Monoprene (Soft)	KRA2407, KRA2411, KRA2418, KRA2432, KRA4107D, KRA4813D, KRA5213D, KRA5319D, KRSC40A, KRSC41
8-28239A	Medium Duty Rigid Caster	600	6 x 2	Monoprene (Soft)	KRA2407, KRA2411, KRA2418, KRA2432, KRA4107D, KRA4813D, KRA5213D, KRA5319D, KRSC40A, KRSC41
8-26139A	Medium Duty Swivel Caster	330	5 x 2	Cast Iron w/ Rubber	KRA2106A, KRA2107A, KRA2212, KRA2306, KRA2312, KRA4008E, KRSC31, KRSC40, KRA2005, KRA2007 (Replace all 4)
8-26439A	Medium Duty Rigid Caster	330	5 x 2	Cast Iron w/ Rubber	KRA2106A, KRA2107A, KRA2212, KRA2306, KRA2312, KRA4008E, KRSC31, KRSC40, KRA2005, KRA2007 (Replace all 4)
8-30539A	Swivel *ISO-Ride* Caster	2,000	7 x 2	GLA/NYL	KERP763B, KERP843B, KERP762B, KERP842B, KERN842B, KERN843B, KERN602B, KERN682B
8-30639A	Rigid *ISO-Ride* Caster	2,000	7 x 2	GLA/NYL	KERP763B, KERP843B, KERP762B, KERP842B, KERN842B, KERN843B, KERN602B, KERN682B
8-21839B	Swivel Caster	500	6 x 2	Aluminum w/ Rubber	KRSC10. KRL756B, Classic, Heritage
8-21939A	Rigid Caster	500	6 x 2	Aluminum w/ Rubber	KRL756B, Classic, Heritage
8-30439AR	Heavy Duty Swivel Caster	900	8 x 2	Steel w/ Polymer	KRSC100, KRSC40, KRSC41, KRSC46
8-31039A	Aluminum Hub Swivel Caster	500	6 x 2	Aluminum w/ Rubber	KRSC10, Classic, Heritage
8-31139A	Rigid Soft Wheel	600	6 x 2	Monoprene (Soft)	KRSC carts, Classic, Heritage
8-31239A	Swivel Soft Wheel	600	6 x 2	Monoprene (Soft)	KRSC carts, Classic, Heritage
8-24239A	Swivel Soft Wheel with Lock	330	5 x 1.25	Monoprene (Soft)	KRA2005, KRA2007
8-24339A	Rigid Soft Wheel	330	5 x 1.25	Monoprene (Soft)	KRA2005, KRA2007



KACAP6BK



KACAP6BU



KACAP6RD

Custom Caster Bolt Covers

- Fits all *Snap-on* casters current models and most past models
- Caps fit all current *Snap-on* roll cabs
- Also fits the bolt on the caster horn found on all EPIQ and Masters series roll cabs
- Also fits Classic 6" x 2" caster bolt
- Machined aluminum with custom *Snap-on* wrench "S" marking
- Six-piece sets (two for each swivel caster one for each rigid)
- Includes set screw for positive attachment (includes Allen Wrench for install)

KACAP6BK Powder-Coated Black Caster Bolt Covers (6 pcs) Powder-coated black aluminum.

KACAP6BU Anodized Blue Caster Bolt Covers (6 pcs) Blue anodized aluminum.

KACAP6RD Anodized Red Caster Bolt Covers (6 pcs) Red anodized aluminum.

Heavy Duty Brass Replacement Locks

- Can be used to replace all *Snap-on* round key (K-series) locks
- Replace standard locks subject to abnormal usage, exposure to shop fluids or extreme temperature and humidity fluctuations
- Ideal for multi-shift/user situations
- Hard brass cylinder plug for a longer life cycle
- Highly finished brass cylinder plug for smoother operation
- More secure retention in the tool storage unit
- Tested to operate smoothly over 25,000 cycles
- 200 different cylinder plugs available as replacement items

K1HLA Heavy Duty Brass Lock One lock assembly with two keys.

K2HLA Heavy Duty Brass Lock Two keyed alike lock assemblies with two keys.



K2HLA

K3HLA Heavy Duty Brass Lock Three keyed alike lock assemblies with two keys.

K4HLA Heavy Duty Brass Lock Four keyed alike lock assemblies with two keys.

K5HLA Heavy Duty Brass Lock Five keyed alike lock assemblies with two keys.

K6HLA Heavy Duty Brass Lock Six keyed alike lock assemblies with two keys.

K7HLA Heavy Duty Brass Lock Seven keyed alike lock assemblies with two keys.

Tubular Lock Assemblies

- High security tubular tool storage locks with rotating collars are harder to pick and are more resistant to vandalism
- Key alike any number of *Snap-on* tool storage units
- Older units can be converted to this new style lock
- Each lock has an individual combination
- Lock kits include mounting nut and lock washer

K1LA Tubular Lock Assembly
One lock assembly with two keys.



K1LA

K2LA Tubular Lock Assembly
Two keyed alike lock assemblies with two keys.

K3LA Tubular Lock Assembly
Three keyed alike lock assemblies with two keys.

K4LA Tubular Lock Assembly
Four keyed alike lock assemblies with two keys.

K5LA Tubular Lock Assembly
Five keyed alike lock assemblies with two keys.

K6LA Tubular Lock Assembly
Six keyed alike lock assemblies with two keys.

K7LA Tubular Lock Assembly
Seven keyed alike lock assemblies with two keys.

Overview.....100

1/4" Drive 102
3/8" Drive 137
1/2" Drive 184
3/4" Drive..... 213
1" 1-1/2" 2-1/2" Drive 222
Wrenches 233
Torque..... 275
Screwdrivers..... 302
Pliers 333
Punches, Chisels, Hammers ... 350
General Hand Tools 357
Set Building 430



HAND TOOLS

SNAP-ON® TOOLS: BECAUSE PROS OPERATE ON A WHOLE OTHER LEVEL.

When you are the best, you demand the best. That's why, for 95 years now and counting, professional techs reach for *Snap-on* tools. Our hand tools deliver the quality, innovation and performance they need to get the job done – and done right – the first time and every time.



PRO POWER

No one's tougher on our tools than we are. Every Snap-on® hand tool not only meets industry standards – they go above and beyond.

STRONG AND LONG LASTING — Born of special steel with higher alloy content than most.

PRECISE FIT — Upheld to exacting tolerances during manufacture for a tight fit to fastener. We will not tolerate anything less.

CORROSION RESISTANT — Finished with Snap-on's signature nickel-chrome plating to prevent rust.

"Day in and day out, our service technicians rely on *Snap-on* tools to turn repairs around quickly and easily the first time – making our customers happy and our business more productive."

Michael Harris
Hayes, VA

Michael has:
3/8" drive bent flex-head
soft grip ratchet - FHBF80



PRO INNOVATION

More productive. More versatile. More comfortable to use. Since 1920, Snap-on has continued to refine even the most basic of hand tools. That's innovation.

FLANK DRIVE® WRENCHING SYSTEM — Torque turned up a notch. Add up to 15-20% more torque, all while preventing the rounding of fasteners.

VECTOREDGE™ CUTTERS AND TALON GRIP™ PLIERS — For cleaner cuts, more pulling power and increased durability – with greater comfort and leverage.

TECHANGLE® TORQUE WRENCH — Designed with aircraft technology, it's the most accurate way to achieve torque and angle tightening sequences.

PRO PERFORMANCE

Snap-on delivers performance when it matters. And when it comes to getting the job done quickly and accurately, no one outperforms us.

STRENGTH — Strength is our strong point: wrenches, ratchets and screwdrivers that provide durability and performance.

ACCESSIBILITY— In a tight spot? No problem. Snap-on gives you the ability to access and perform work in even the tightest of quarters.

VERSATILITY— If you need it, we have it. Our broad and deep hand tool lines ensure you always have the right tool for the job.

THE RIGHT TOOLS FOR THE TIGHT SPOTS.

Your jobs do not leave much room for error. And sometimes, they do not leave much room, period. So, when you are working in tight spots, you want to be working with Snap-on® tools. Our 1/4" drive tools make quick work of any problem – in even the most confined of spaces. Granted, no job is too small. But every so often, spaces are. That's why there's Snap-on.

SMALL SPACES, BIG PRODUCTION.

Squeeze the most productivity from your tools with our 1/4" ratchets and sockets. In low-profile, these tools allow techs to get into tight spaces – places most sockets and wrenches just cannot get to.

WOBBLE PLUS — The wobble function provides 16° of additional accessibility. Wobble Plus is designed for max versatility and flexibility, and is usable in both wobble and standard functionality.





T72



GT72



THL72



TL72



TLL72



TF72



THLF72



TX72



THLX72

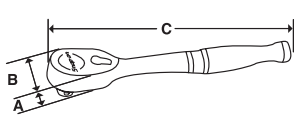
DUAL 80 TECHNOLOGY

Dual 80® Technology Based Ratchets

Stop, Turn and Listen. A smoother, stronger ratchet. Try them to believe them.

***Dual 80* Technology Ratchets Feature:**

- 72-tooth gear
- Six teeth in contact with gear to provide strength and durability
- Up to 25% less ratcheting arc to engage the next gear tooth
- Sealed head keeps dirt and other contaminants out of the head mechanism



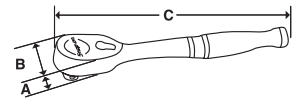
Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
T72	High Strength Standard Handle	72	5°	7/16	15/16	4 7/16	**RKRT72A**
GT72	High Strength Standard Handle	72	5°	7/16	15/16	4 7/16	**RKRT72A**
THL72	Soft Grip Long Handle	72	5°	7/16	15/16	6 7/8	**RKRT72A**
TL72	Long Standard Handle	72	5°	7/16	15/16	6 1/2	**RKRT72A**
TLL72	Extra Long Standard Handle	72	5°	7/16	15/16	9	**RKRT72A**
TF72*	Standard Handle Flex Head	72	5°	7/16	15/16	6 1/4	**RKRT72A**
THLF72*	Soft Grip Handle Flex Head	72	5°	7/16	15/16	8 1/4	**RKRT72A**
TX72**	Standard Handle Locking Flex Head	72	5°	7/16	15/16	6 1/4	**RKRT72A**
THLX72	Soft Grip Handle Locking Flex Head	72	5°	7/16	15/16	8 1/4	**RKRT72A**

ASME®/ANSI® B107.10
*Uses RKRT841JT Flex Joint Repair Kit.
**Uses RKRT841JT Flex Joint Repair Kit and RKRT841LM Locking Mechanism Repair Kit.
TH936-12 Soft Grip Replacement Handle.

⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

RATCHETS





TR72



THR72



THRLF72



TRF72



TRLL72

DUAL 80 TECHNOLOGY

Dual 80® Technology Based Quick Release Ratchets

- Quick release button for rapid socket/accessory changes, even with greasy or oily hands
- Contoured handle for comfort and control
- Chrome finish for easy cleanup

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
TR72	Standard Handle	72	5°	7/16	15/16	4 7/16	**RKRTR72A**
THR72*	Soft Grip Handle	72	5°	7/16	15/16	6 7/8	**RKRTR72A**
THRLF72*	Soft Grip Handle Flex Head	72	5°	7/16	15/16	8 1/4	**RKRTR72A**
TRF72	Standard Handle Flex Head	72	5°	7/16	15/16	6 1/4	**RKRTR72A**
TRLL72	Long Standard Handle	72	5°	7/16	15/16	9	**RKRTR72A**

ASME®/ANSI® B107.10
*TH936-12 Soft Grip Replacement Handle.



TKN72



THNF72



TN72



TS72

Round Head Ratchets

- Compact round head provides better access into tight quarters
- 72-tooth gear for 5˚ of swing arc means shorter movement between tooth engagement

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
TKN72	Compact	72	5°	7/16	1 1/4	3 1/16	**RKRTHNF72**
THNF72*	Soft Grip Swivel Head	72	5°	7/16	1 1/4	6 7/8	**RKRTHNF72**
TN72	Standard Handle	72	5°	7/16	1 1/4	4 1/2	**RKRTHNF72**
TS72	Finger Tip Ratchet	72	5°	7/16	1 1/2	1 1/2	**RKRTHNF72**

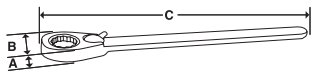
ASME/ANSI B107.10
*TH936-12 Soft Grip Replacement Handle.

Dual 80® Technology Based Low-Profile Ratchet

- Square drive design works with low-profile sockets to access restricted clearance areas without loss of strength
- Thin handle cross section allows for increased accessibility in tight quarters
- *Dual 80* Technology requires less arc to engage the next gear tooth
- Six teeth in contact with gear to provide strength and durability



RAT72



Stock No.	Drive Size	Description	Gear Teeth	Swing Arc	A	B	C
RAT72	11 mm Internal Hex	Low Profile	72	5°	3/8	15/16	4 7/8



T72FOD



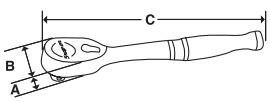
GT72FOD



TL72FOD



GTL72FOD



Dual 80 Technology FOD (Foreign Object Damage) Ratchets

- Designed to help prevent FOD in sensitive work environments
- Coverplate and reverse lever permanently affixed to ratchet head with rivets to prevent chance of small parts debris

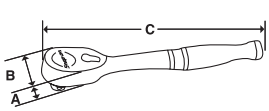
Stock No.	Description	Gear Teeth	Swing Arc	A	B	C
T72FOD	Standard Handle	72	5°	7/16	15/16	4 11/16
GT72FOD	Standard Handle	72	5°	7/16	15/16	4 11/16
TL72FOD	Long Standard Handle	72	5°	7/16	15/16	6 1/2
GTL72FOD	Long Standard Handle	72	5°	7/16	15/16	6 1/2



TFY72



TY72



Hi-Lok® Ratchets

- Features a hole through the head and square drive so the fastener may be held steady with a hex wrench as the fastener's collar is tightened
- Sealed head keeps dirt and other contaminants out of the head mechanism
- For use with standard or *Hi-Lok* sockets
- 5° ratcheting arc provides shorter movement between tooth engagement

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
TFY72	*Hi-Lok* Flex Head	72	5°	7/16	15/16	6 1/4	RKRTY72
TY72	*Hi-Lok* Standard	72	5°	7/16	15/16	4 5/8	RKRTY72

ASME®/ANSI® B107.10

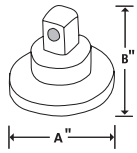
⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

RATCHETS

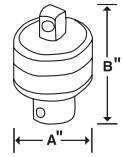


TMS70A





TM77



Ratchet Spinner

Stock No.	Description	A	B
TMS70A	Ratchet Spinner	1	7/8

ASME®/ANSI® B107.10

Ratchet Adaptor

Stock No.	Description	Gear Teeth	Swing Arc	A	B
TM77	Ratchet Adaptor	20	18°	15/16	1 5/8

ASME/ANSI B107.10

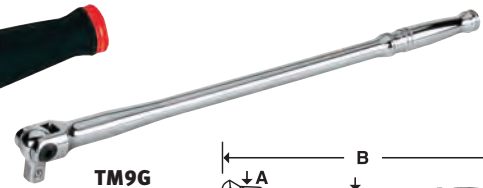
BREAKER BARS



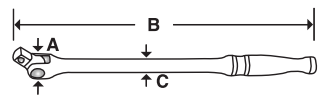
TM10G



THBB10



TM9G



Breaker Bars

Stock No.	Description	A	B	C	Repair Kit
TM10G*	Breaker Bar	5/8	6	5/16	RKBB1
THBB10	Soft Grip Handle	5/8	6 1/2	5/16	RKBB1
TM9G	Long Handle	5/8	9	5/16	RKBB1

**ASME/ANSI* B107.10

DRIVE HANDLES



SGT4BR



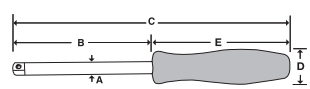
SGTL4BR

Handled Drivers/Instinct® Handle

- Provides maximum turning power and increased comfort
- Six specially designed curves and flutes provide fingertip control and aid in spinning
- Nickel-chrome plating helps protect against corrosion and makes cleaning easy

Stock No.	A	B	C
SGT4BR	5/16	2	6 13/16
SGTL4BR	5/16	3 1/4	8 1/8

SGTL4BR features a locking pin for better socket retention.





TM4CSA

Handled Drivers/Square Drive Handle

- Internal square drive in handle allows use with various handles

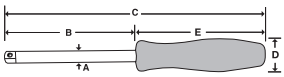
Stock No.	A	B	C
TM4CSA	5/16	2 3/8	6
TM9CSA	5/16	6 3/8	10



TM40ASA

Handled Driver/Stubby

Stock No.	C	E
TM40ASA	2 1/8	1 3/4





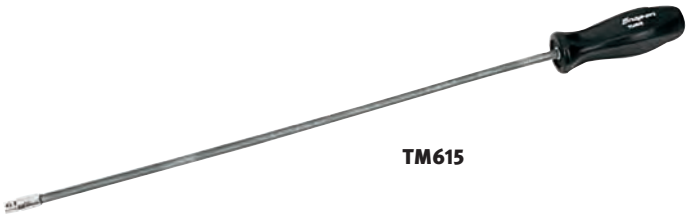
TMR4



TM62B



TMRT8



TM615

Ratcheting Driver

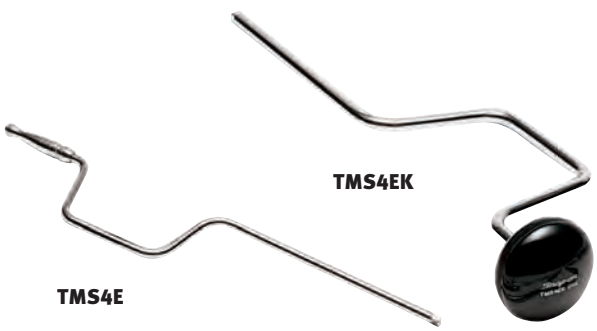
- Use with any 1/4" drive socket to create a ratcheting nut driver
- Three-position ratchet mechanism works in forward, reverse or lock out the ratcheting action completely

Stock No.	Color	B	C	E
TMR4	Black	3 7/8	8 31/32	5 3/32
TMR4O	Orange	3 7/8	8 31/32	5 3/32
TMR4G	Green	3 7/8	8 31/32	5 3/32
TMRT8	Black	8	10	2

Flexible Drivers

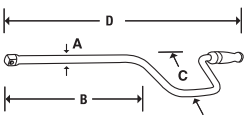
- For low-torque applications

Stock No.	A	B	C
TM62B	1/4	2 7/32	6 3/4
TM63A	1/4	4 21/32	9 3/16
TM615	1/4	15	18 5/8



TMS4EK

TMS4E

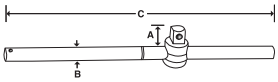


Speeder

Stock No.	A	B	C	D
TMS4E	5/16	7 1/8	3	16
TMS4EK	5/16	7 1/8	3	15 1/32



TM5



Sliding T-handle

- Designed for heavier applications
- For use as a T-handle or offset wrench
- Spring and friction ball holds head in position

Stock No.	A	B	C
TM5	13/16	5/16	4 1/2

ASME®/ANSI® B107.10

⚠WARNING

- Do not use "cheater bars" on handles
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

EXTENSIONS



106BTMX



GTMXK80



Knurled

Stock No.	Industrial Stock No.	A	B	106BTMX† Set Contains:
TMX1*	–	5/16	1 1/4	•
TMXK2**	GTMX2*	5/16	2	•
TMXK3	–	5/16	3	
TMXK4	GTMX4*	5/16	4	•
TMXK60**	GTMX60*	5/16	6	•
TMXK80**	GTMXK80	5/16	8	•
TMXK110	GTMXK110	5/16	11	•
TMXK140	GTMX140*	5/16	14	
TMX240*	–	3/8	24	
TMX360	–	3/8	36	

*Not knurled
**ASME®/ANS®/ B107.10

Set shown includes storage tray
†,QGXVWULDO¿QLVK SURGXFWV QRW LQFOXGHG LQ WKH VHW



103TMXKLA



Locking – Knurled

- Quick-release sleeve releases socket quickly and easily
- Knurling at the drive end provides for easy fingertip turning

Stock No.	A	B	103TMXKLA Set Contains:
TMXKL2	5/16	2	
TMXKL60A	5/16	6	•
TMXKL110A	5/16	11	•
TMXKL240A	3/8	24	•

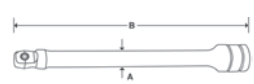
Set shown includes storage tray

TMXKLP Locking Pins
- Locking pins for TMXKLP Series Extensions

TMXKLRK Repair Kit
- Repair kit for TMXKLP Series Extensions
- Five-pack



106ATMXWP





106ATMXW

Wobble Plus

- Provides 16° of additional accessibility
- Usable in both wobble and rigid functionality

Stock No.	A	B	106ATMXWP Set Contains:
TMXWP1*	5/16	1 1/4	•
TMXWP2	5/16	2	•
TMXWP4	5/16	4	•
TMXWP6	5/16	6	•
TMXWP8	5/16	8	•
TMXWP11	5/16	11	•

*Not knurled

Set shown includes storage tray

Wobble

- Provides 16° of additional accessibility
- Knurled shanks for easy fingertip turning

Stock No.	A	B	106ATMXW Set Contains:
TMXW1*	5/16	1 1/4	•
TMXWK2	5/16	2	•
TMXWK4	5/16	4	•
TMXWK60	5/16	6	•
TMXWK80	5/16	8	•
TMXWK110	5/16	11	•

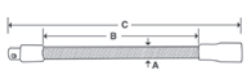
*Not knurled

Set shown includes storage tray



TM61A

Flexible



Stock No.	A	B	C
TM61A	5/16	5	6

ASME/ANSI B107.10

Connectors

TZ1 Extension Connector
- 1/4" drive extension connector adds versatility to extensions, breaker bars, ratchets and crowfoot wrenches
- Connect one or more tools for a variety of ways to reach limited access fasteners
- For use in marine, heavy truck, plumbing and manufacturing applications

TZ2 Extension Connector Set
- Set of two TZ1

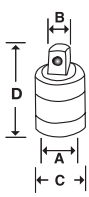


TZ1

SOCKET/RATCHET ACCESSORIES



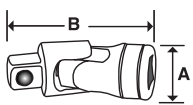
1206GS



Square Drive Adaptors

Stock No.	Industrial Stock No.	A	B	C	D
–	GFAT1E	3/8	1/4	11/16	1 1/4
TA3	GTA3	1/4	3/8	1/2	15/16

1206GS Combination Drive Adaptor Set
- Includes 1/4" drive GFAT1E and TA3 adaptors, 3/8" drive A2A and GSAF1E adaptors and 1/2" drive GLA12B and GLAS1E adaptors (6pc) in storage tray





103UFTS

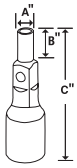
Universal Joints

TMU8B Universal Joint
- Universal joints help increase access to hard-to-reach fastener applications
- Pins in the universal joint are laser-welded and will not "walk" out over time

TMUL8 Locking Collar Universal Joint
- Locking pin to ensure better socket retention

Stock No.	A	B
TMU8B	1/2	1 5/16
TMUL8	1/2	2 1/4

103UFTS Combination Drive Universal Joint Set
- Includes 1/4" drive TMU8B, 3/8" drive FU8A and 1/2" drive S8
- Universal joints 3pc in storage tray





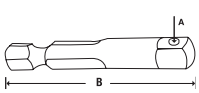
TMXM17

Magnetic Adaptors

Stock No.	A	B	C
TMXM17	7/32	13/32	1 21/32
TMXM114	7/32	9/32	1 17/32



GMB3042



Hex-To-Square Adaptors

- 1/4" hex size; 1" length of hex

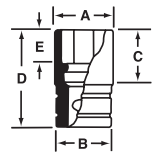
Stock No.	A	B
GMB3041*	Friction Ball	1
GMB3042	Friction Ball	2
GMB3046	Friction Ball	6

*Insert bit style, non-impact

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Wobble extensions have about half the torque strength of extensions with conventional squares
- Read safety precautions on pages W1 to W4

FLANK DRIVE® SOCKETS





112TMMY



TMMD14



110TMY



TMD16



GTMD16

Shallow, mm

Set Contains: 112TMMY / 111TMMDY

mm	6	12	A	B	C	D	E	6	12
4	TMM4*	–	6.7	12.1	13.3	22.2	4.6		
4.5	TMM4.5*	–	7.2	12.1	13.3	22.2	4.3		
5	TMM5*	TMMD5*	7.7	12.1	13.3	22.2	4.3	•	•
5.5	TMM5.5	TMMD5.5	8.3	12.1	13.3	22.2	4.6	•	•
6	TMM6	TMMD6	9.3	12.1	13.3	22.2	5.6	•	•
7	TMM7	TMMD7	10.5	12.1	13.3	22.2	6.1	•	•
8	TMM8	TMMD8	11.5	12.1	13.3	22.2	6.9	•	•
9	TMM9	TMMD9	12.7	12.1	13.3	22.2	7.4	•	•
10	TMM10	TMMD10	13.2	13.2	13.3	22.2	7.4	•	•
11	TMM11	TMMD11	15.2	14.6	13.3	22.2	9.4	•	•
12	TMM12	TMMD12	16.5	15.6	13.3	22.2	9.4	•	•
13	TMM13	TMMD13	17.6	16.7	13.3	22.2	9.4	•	•
14	TMM14	TMMD14	18.8	17.8	14.1	22.2	9.7	•	•
15	TMM15	–	20.4	19.4	14.1	23.0	9.1	•	
16	TMM16	–	21.0	20.2	16.1	25.0	10.2		

*Conventional hex ASME® B107.5m

Sets shown include magnetic storage tray

Shallow, inches

Set Contains: 110TMY / 110TMDY

	6	12	6	12	A	B	C	D	E	6	12
1/8	TM04	–	–	–	7/32	7/16	1/2	7/8	1/8		
5/32	TM05*	–	–	–	9/32	15/32	1/2	7/8	5/32		
3/16	TM6*	TMD6*	GTM6	GTMD6	9/32	15/32	1/2	7/8	5/32	•	•
7/32	TM7*	TMD7*	GTM7	GTMD7	11/32	15/32	1/2	7/8	3/16	•	•
1/4	TM8	TMD8	GTM8	GTMD8	3/8	15/32	1/2	7/8	7/32	•	•
9/32	TM9	TMD9	GTM9	GTMD9	13/32	15/32	1/2	7/8	1/4	•	•
5/16	TM10	TMD10	GTM10	GTMD10	15/32	15/32	1/2	7/8	9/32	•	•
11/32	TM11	TMD11	GTM11	GTMD11	1/2	15/32	5/16	7/8	9/32	•	•
3/8	TM12	TMD12	GTM12	GTMD12	17/32	1/2	1/2	7/8	9/32	•	•
7/16	TM14	TMD14	GTM14	GTMD14	19/32	9/16	1/2	7/8	3/8	•	•
1/2	TM16	TMD16	GTM16	GTMD16	11/16	21/32	1/2	7/8	3/8	•	•
9/16	TM18	TMD18	–	GTMD18	25/32	23/32	1/2	29/32	3/8	•	•
5/8	TM20	–	–	–	27/32	25/32	19/32	31/32	13/32		

*Conventional hex *ASME* B107.1

Sets shown include magnetic storage tray



112TMMSY



TMMDS14



110TMSY



TMDS14

Semi Deep, mm

Set Contains: 112TMMSY / 112TMMDSY

mm	6	12	A	B	C	D	E	6	12
5	TMMS5*	TMMDS5*	7.7	12.1	22.9	31.8	5.1	•	•
5.5	TMMS5.5*	TMMDS5.5	8.3	12.1	22.9	31.8	5.3	•	•
6	TMMS6	TMMDS6	9.3	12.1	22.9	31.8	5.8	•	•
7	TMMS7	TMMDS7	10.5	12.1	22.9	31.8	6.1	•	•
8	TMMS8	TMMDS8	11.5	12.1	18.4	31.8	6.9	•	•
9	TMMS9	TMMDS9	12.7	12.1	18.4	31.8	7.4	•	•
10	TMMS10	TMMDS10	14.0	13.2	18.4	31.8	7.4	•	•
11	TMMS11	TMMDS11	15.4	14.6	18.4	31.8	9.4	•	•
12	TMMS12	TMMDS12	16.5	15.6	18.4	31.8	9.4	•	•
13	TMMS13	TMMDS13	17.6	16.7	18.4	31.8	9.4	•	•
14	TMMS14	TMMDS14	18.8	17.8	18.4	31.8	9.7	•	•
15	TMMS15	TMMDS15	20.4	19.4	18.4	31.8	9.7	•	•

*Conventional hex

Sets shown include magnetic storage tray

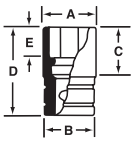
Semi Deep, inches

Set Contains: 110TMSY / 110TMDSY

	6	12	A	B	C	D	E	6	12
3/16	TMS6*	TMDS6*	5/16	15/32	29/32	1 1/4	7/32	•	•
7/32	TMS7*	TMDS7*	11/32	15/32	29/32	1 1/4	7/32	•	•
1/4	TMS8	TMDS8	3/8	15/32	29/32	1 1/4	1/4	•	•
9/32	TMS9	TMDS9	13/32	15/32	23/32	1 1/4	1/4	•	•
5/16	TMS10	TMDS10	15/32	15/32	23/32	1 1/4	9/32	•	•
11/32	TMS11	TMDS11	1/2	15/32	23/32	1 1/4	5/16	•	•
3/8	TMS12	TMDS12	9/16	1/2	23/32	1 1/4	5/16	•	•
7/16	TMS14	TMDS14	5/8	19/32	23/32	1 1/4	3/8	•	•
1/2	TMS16	TMDS16	11/16	21/32	23/32	1 1/4	3/8	•	•
9/16	TMS18	TMDS18	3/4	23/32	23/32	1 1/4	3/8	•	•

*Conventional hex *ASME* B107.1

Sets shown include magnetic storage tray





STMMD14



112STMMY

Deep, mm

Set Contains: 112STMMY | 111STMMDY

mm	6	12	A	B	C	D	E	6	12
4	**STMM4***	–	6.7	12.1	42.2	50.8	4.6		
4.5	**STMM4.5***	–	7.2	12.1	42.2	50.8	4.6		
5	**STMM5***	**STMMD5***	7.7	12.1	42.2	50.8	5.1	•	•
5.5	**STMM5.5**	**STMMD5.5**	8.3	12.1	42.2	50.8	5.3	•	•
6	**STMM6**	**STMMD6**	9.3	12.1	42.2	50.8	5.8	•	•
7	**STMM7**	**STMMD7**	10.5	12.1	42.2	50.8	6.1	•	•
8	**STMM8**	**STMMD8**	11.5	12.1	42.2	50.8	6.9	•	•
9	**STMM9**	**STMMD9**	12.7	12.1	38.1	50.8	7.4	•	•
10	**STMM10**	**STMMD10**	14.0	13.2	38.1	50.8	7.4	•	•
11	**STMM11**	**STMMD11**	15.2	14.6	38.1	50.8	9.4	•	•
12	**STMM12**	**STMMD12**	16.5	15.6	38.1	50.8	9.4	•	•
13	**STMM13**	**STMMD13**	17.6	16.7	38.1	50.8	9.4	•	•
14	**STMM14**	**STMMD14**	18.8	17.8	38.1	50.8	9.7	•	•
15	**STMM15**	–	20.4	19.4	38.1	50.8	9.1	•	

*Conventional hex

Sets shown include magnetic storage tray



STMD16



GSTMD14



110STMY

Deep, inches

Set Contains: 110STMY | 110STMDY

	6	12	6	12	A	B	C	D	E	6	12
1/8	**STM04***	–	–	–	7/32	7/16	1 21/32	2	1/8		
5/32	**STM05***	–	–	–	1/4	15/32	1 21/32	2	3/16		
3/16	**STM6***	**STMD6***	**GSTM6**	**GSTMD6***	5/16	15/32	1 21/32	2	3/16	•	•
7/32	**STM7***	**STMD7***	**GSTM7**	**GSTMD7***	11/32	15/32	1 21/32	2	7/32	•	•
1/4	**STM8**	**STMD8**	**GSTM8**	**GSTMD8**	3/8	15/32	1 32/32	2	7/32	•	•
9/32	**STM9**	**STMD9**	**GSTM9**	**GSTMD9****	13/32	15/32	1 21/32	2	1/4	•	•
5/16	**STM10**	**STMD10**	**GSTM10**	**GSTMD10****	15/32	15/32	1 21/32	2	7/32	•	•
11/32	**STM11**	**STMD11**	**GSTM11**	**GSTMD11**	1/2	15/32	1 21/32	2	9/32	•	•
3/8	**STM12**	**STMD12**	**GSTM12**	**GSTMD12**	17/32	9/16	1 21/32	2	9/32	•	•
7/16	**STM14**	**STMD14**	**GSTM14**	**GSTMD14**	5/8	9/16	1 21/32	2	3/8	•	•
1/2	**STM16**	**STMD16**	**GSTM16**	**GSTMD16**	11/16	21/32	1 21/32	2	3/8	•	•
9/16	**STM18**	**STMD18**	–	**GSTMD18**	3/4	23/32	1 21/32	2	3/8	•	•

*Conventional hex
**Larger bolt clearance diameter for servicing aerospace fastener

Sets shown include magnetic storage tray

Long, mm

Set Contains: 102STMML

mm	6	A	B	C	D	E	6
10	**STMML10**	14	13.2	33.0	101.6	7.4	•
11	**STMML11**	15.2	14.6	33.0	101.6	9.4	•

Application: For bumper cover bolts found on most European, Asian and US vehicles.

Set shown includes storage tray



102STMML

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

FLANK DRIVE® SOCKETS



120STTM



124STTMM

Shallow/Deep Combination Sets

120STTM 6-Point Shallow/Deep Set
- TM6–TM18 shallow sockets and STM6–STM18 deep sockets
- 20pc, 3/16"–9/16"
- Includes magnetic storage tray

124STTMM Metric 6-Point Shallow/Deep Set
- TMM5–TMM15 shallow sockets plus STMM5–STMM15 deep sockets
- 24pc, 5 mm–15 mm
- Includes magnetic storage tray

FLANK DRIVE LOW-PROFILE SOCKETS



RTM9 RTSM14 RTSM15



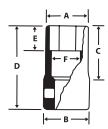
112RTM



110RTSMA



RT101





112RT



110RT

Low Profile, mm

mm	6	12	A	B	C	D	E	6 (112RTSM)	6 (110RTSMA)	12 (112RTM)
5	RTSM5	RTM5	7.7	12.1	—	20.2	2.2	•	•	•
5.5	RTSM5.5	RTM5.5	8.3	12.1	—	20.2	2.6	•	•	•
6	RTSM6	RTM6	9.3	12.1	—	19.3	2.7	•	•	•
7	RTSM7	RTM7	10.5	12.1	—	19.0	2.8	•	•	•
8	RTSM8	RTM8	11.5	12.1	—	19.0	3.6	•	•	•
9	RTSM9	RTM9	12.7	12.1	9.2	18.7	3.9	•	•	•
10	RTSM10	RTM10	14.0	12.1	9.4	19.0	4.7	•	•	•
11	RTSM11	RTM11	15.4	12.1	6.2	17.3	4.5	•	•	•
12	RTSM12	RTM12	16.5	12.1	6.1	17.8	4.9	•	•	•
13	RTSM13	RTM13	17.6	12.1	5.9	18.1	5.1	•	•	•
14	RTSM14	–	18.7	12.1	6.4	19.3	5.8			
15	RTSM15	–	20.3	12.1	6.3	20.3	6.4			
	RAT72	–	Low-Profile Ratchet					•		•
	RTMBS8	–	Low-Profile Magnetic Bit Holder					•		•

Set Contains: 112RTSM, 110RTSMA, 112RTM

Sets shown include storage tray

Low Profile, inches

	12	A	B	C	D	E	12 (112RT)	12 (110RT)
3/16	RT61	5/16	15/32	11/32	25/32	3/32	•	•
7/32	RT71	11/32	15/32	3/8	13/16	3/32	•	•
1/4	RT81	3/8	15/32	5/16	3/4	1/8	•	•
9/32	RT91	13/32	15/32	5/16	3/4	1/8	•	•
5/16	RT101	15/32	15/32	5/16	3/4	5/32	•	•
11/32	RT111	1/2	15/32	13/32	9/32	3/16	•	•
3/8	RT121	17/32	15/32	9/32	11/16	3/16	•	•
7/16	RT141	19/32	15/32	1/4	11/16	3/16	•	•
1/2	RT161	11/16	15/32	7/32	23/32	7/32	•	•
9/16	RT181	3/4	15/32	1/4	3/4	1/4	•	•
	RAT72	Low-Profile Ratchet					•	
	RTMBS8	Low-Profile Magnetic Bit Holder					•	

Set Contains: 112RT, 110RT

Sets shown include storage tray



RTMBS8



SDMS17

Stubby Bits and Bit Holder

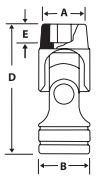
	Stock No.	Size	Set Contains: SDMS17
Flat Tip	SDMS213	1/4"	•
Phillips	SDMS222IR	#2	•
Metric Hex	SDMSM3	3 mm	•
	SDMSM4	4 mm	•
	SDMSM5	5 mm	•
	SDMSM6	6 mm	•
	SDMSM8	8 mm	•
Inch Hex	SDMS8	1/8"	•
	SDMS9	9/64"	•
	SDMS10	5/32"	•
	SDMS12	3/16"	•
	SDMS16	1/4"	•
Torx	SDMST15	T15	•
	SDMST20	T20	•
	SDMST25	T25	•
	SDMST27	T27	•
	SDMST30	T30	•

RTMBS8 Low-Profile Magnetic Bit Holder

- Magnetic Bit Holder for the Low-Profile RAT72 Ratcheting Wrench
- Special alloy steel provides the highest match of strength and durability
- Nickel-chrome plating provides corrosion resistance
- Holds any 1/4" shank bit: fractional and metric hex bits, TORX® and ball *TORX*, Phillips® and straight bits
- Fits in any 11 mm ratcheting wrench

Applications:
Perfect for tight and compact applications found on automotive, motorcycle, ATV and aviation. Automotive applications include: heater boxes and motor actuators in dash of vehicle, air conditioning work and on top of dashboard where the windshield meets the dash.

FLANK DRIVE UNIVERSAL SOCKETS





TMUM8A



111TMUSMA

Shallow Universal, mm

mm	6	12	A	B	D	E	Set Contains: 111TMUSMA 6	106TMUSMA 6
5	TMUSM5A*	TMUM5A*	8.1	12.7	29.2	3.3		
5.5	TMUSM5.5A	–	8.5	12.7	29.2	3.6	•	
6	TMUSM6A	TMUM6A	9.6	12.7	29.7	3.8	•	
7	TMUSM7A	TMUM7A	10.7	12.7	30.5	4.3	•	
8	TMUSM8A	TMUM8A	11.8	12.7	30.5	4.8	•	•
9	TMUSM9A	TMUM9A	12.7	12.7	31.2	4.8	•	
10	TMUSM10A	TMUM10A	14.0	12.7	32.5	5.8	•	•
11	TMUSM11A	–	15.4	12.7	33.0	6.6	•	
12	TMUSM12A	TMUM12A	16.5	12.7	34.5	6.9	•	•
13	TMUSM13A	TMUM13A	17.3	12.7	36.8	7.6	•	•
14	TMUSM14A	–	18.8	12.7	38.6	8.6	•	•
15	TMUSM15A	–	20.4	12.7	41.1	8.9	•	•

*Conventional hex

Sets shown include storage tray

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

FLANK DRIVE® UNIVERSAL SOCKETS



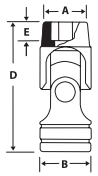
106TMUSA



TMUS161A



GTMU141A



Shallow Universal, inches

	6	12	12	A	B	D	E	Set Contains: 106TMUSA 6	Set Contains: 106TMUA 12
3/16	–	TMU61A*	–	19/64	1/2	1 17/64	1/4		
7/32	–	TMU71A*	GTMU71A	11/32	1/2	1 17/64	1/4		
1/4	TMUS81A	TMU81B	–	3/8	1/2	1 17/64	1/4	•	•
9/32	–	TMU91A	–	27/64	1/2	1 5/16	9/32		
5/16	TMUS101A	TMU101A	–	15/32	1/2	1 11/32	9/32	•	•
11/32	–	TMU111A	–	1/2	1/2	1 3/8	9/32		
3/8	TMUS121A	TMU121A	–	17/32	1/2	1 27/64	9/32	•	•
7/16	TMUS141A	TMU141A	GTMU141A	19/32	1/2	1 29/64	13/32	•	•
1/2	TMUS161A	TMU161A	–	11/16	1/2	1 33/64	13/32	•	•
9/16	TMUS181A	TMU181A	–	3/4	1/2	1 35/64	13/32	•	•

*Conventional hex

Sets shown include storage tray



STMUM10A

Deep Universal, mm

mm	12	A	B	D	E
10	STMUM10A	14.0	12.7	41.4	5.8



GSTMU101A

Deep Universal, inches

	12	A	B	D	E
5/16	GSTMU101A	15/32	15/32	1 11/16	9/32

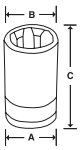
TORX® SOCKETS



213AFLEY



STLE70



TORX/Shallow

#	Stock No.	A	B	C
E4	TLE40A	7/16	7/8	17/64
E5	TLE50A	7/16	7/8	19/64
E6	TLE60A	7/16	7/8	21/64
E7	TLE70A	7/16	7/8	23/64
E8	TLE80A	7/16	7/8	27/64
E10	TLE100A	1/2	7/8	7/16

Note: Sets shown include magnetic storage tray

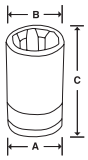
213AFLEY Combination Drive Shallow *TORX* Set
Includes 1/4" drive TLE40A–TLE100A, 3/8" drive FLE110A–FLE140A and 1/2" drive SLE160A–SLE240 (13pc) (E4 to E24).

210AFLEY Combination Drive Shallow *TORX* Set
1/4" drive TLE40A–TLE80A plus 3/8" drive FLE100A–FLE180A (except FLE110A) (10pc) (E4–E18).

TORX/Deep

#	Stock No.	A	B	C
E4	STLE40	15/32	9/32	2
E5	STLE50	15/32	5/16	2
E7	STLE70	31/64	3/8	2
E8	STLE80	15/16	13/32	2

STLE70 Deep *TORX* Socket
- For removing and installing vacuum pumps on BMW® N63 V8 engines without removing the catalytic converter, saving technician an average of two hours





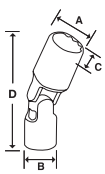
106RTLE

Low-Profile Inverted *TORX*

Set Contains: 106RTLE

#	Stock No.	A (mm)	B (mm)	C (mm)	
E4	**RTLE40**	12.1	6.7	16.5	•
E5	**RTLE50**	12.1	7.7	16.5	•
E6	**RTLE60**	12.1	8.4	16.5	•
E7	**RTLE70**	12.1	9.3	16.5	•
E8	**RTLE80**	12.1	10.5	16.6	•
E10	**RTLE100**	12.1	12.1	17.4	•

Set shown includes storage tray





TSE120

TORX/Universal

#	Stock No.	A	B	D
E8	**TSE80**	1/2	13/32	1 3/8
E10	**TSE100**	1/2	1/2	1 3/8
E12	**TSE120**	1/2	1/2	1 3/8

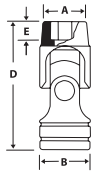
TSE80 Universal *TORX* Socket

Applications: Mercedes-Benz® turbo chargers, crankshaft position sensor, sensors and intake bolts, bell housing bolts and ignitions switch.

TSE100 and TSE120 Universal *TORX* Socket

Applications: *Mercedes-Benz* oil pan bolts, interior and engine fasteners, water pumps, power steering pumps and engine covers on newer models.

FLANK DRIVE® HIGH-PERFORMANCE SOCKETS





TDHU101A

Universal, inches

Chrome tools comply with Military Spec. MS-33787 and MIL-W-8982. The unique spline wrenching configuration can also be used on ordinary six- and 12-point fasteners with an advantage similar to the Snap-on® *Flank Drive* wrenching system.

	12	A	B	D	E
1/4	**TDHU81A**	3/8	1/2	1 15/64	1/4
5/16	**TDHU101A**	29/64	1/2	1 23/64	9/32
3/8	**TDHU121A**	17/32	1/2	1 15/32	11/32

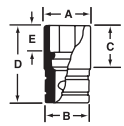
WARNING

• Do not use chrome or industrial finish hand tools with impact drivers
• Read safety precautions on pages W1 to W4

SPLINE SOCKETS

Snap-on® spline wrenching tools have been developed to service high tensile strength spline nuts and bolts widely used on both military and commercial aircraft. Precise, radial spline teeth engage the fastener teeth over a wider area to minimize stress, and allow application of high torque to reduce risk of damage to the fastener or to the tool.

Chrome tools comply with AS954, Military Spec. MS-33787 and MIL-W-8982. The unique spline wrenching configuration can also be used on ordinary six- and 12-point fasteners with an advantage similar to the *Snap-on* Flank Drive® wrenching system.





209TFES



TES10B

Shallow, inches

		Stock No.	A	B	C	D	E
#7	7/32	TES7B	11/32	7/16	15/32	15/16	7/32
#8	1/4	TES8B	3/8	7/16	15/32	15/16	9/32
#9	9/32	TES9B	7/16	7/16	—	15/16	—
#10	5/16	TES10B	15/32	15/32	—	15/16	11/32
#12	3/8	TES12	35/64	35/64	19/32	59/64	23/64
#14	7/16	TES14	5/8	39/64	23/32	1 3/64	7/16

209TFES Shallow Spline Socket Set
- Includes 1/4" drive TES7B–TES10B and 3/8" drive FES120B–FES200B Shallow Spline Sockets (9pc) (#7–#20, 7/32"–5/8") in magnetic socket tray



207TFEL



TEL10B

Deep, inches

		Stock No.	A	B	C	D	E
#7	7/32	TEL7B	11/32	7/16	1 17/32	2	7/32
#8	1/4	TEL8B	3/8	7/16	1 17/32	2	9/32
#10	5/16	TEL10B	15/32	15/32	—	2	11/32

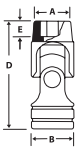
207TFEL Deep Spline Socket Set
- Includes 1/4" drive TEL7B–TEL10B and 3/8" drive FEL120B–FEL200B Deep Spline Sockets (7pc) (#7–#20, 7/32"–5/8") in magnetic socket tray

Deep, mm

	mm	Stock No.	A	B	C	D	E
#7	7	TELM7A	10.4	10.9	36.3	50.8	7.3
#8	8	TELM8A	11.7	11.7	36.3	50.8	8.8



TESU10



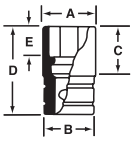
Shallow Universal, inches

		Stock No.	A	B	D	E
#8	1/4	TESU8	3/8	1/2	1 15/64	17/64
#10	5/16	TESU10	29/64	1/2	1 23/64	21/64

SPECIAL APPLICATION SOCKETS



TM412

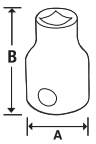


Double Square

	Stock No.	A	B	C	D	E
1/4	TM408	15/32	15/32	17/32	7/8	1/4
5/16	TM410	9/16	17/32	17/32	7/8	9/32
3/8	TM412	21/32	5/8	17/32	7/8	5/16



PMP303



Metric Pipe Plug Socket

- Used to adjust the intake and exhaust valve rocker arms on Mercury Marine® four-stroke outboard motors
- Motor sizes: 10, 15, 20, 25 and 30 hp

mm	Stock No.	A	B
3	PMP303	12.1	22.2



106FLIPSET



S6810

106FLIPSET Metric Flip Socket Set

- Manufactured from special alloy steel, precision forged and heat treated for optimum strength and durability
- Double hex (12-point) allows socket to engage single hex fastener every 30° rather than every 60°, allowing for better access in restricted areas
- Great starter set for use with cordless screwdrivers

Set includes these tools:

S6810 Flip Socket, 8 mm/10 mm:

- 8 mm and 10 mm Flip Socket
- For removing and installing underbelly pans on various vehicles
- BMW® vehicles use 30 fasteners that are a combination of 8 mm and 10 mm that hold the under belly pans on various vehicles. You have the convenience of one tool to work on both sizes
- Lexus® vehicles use 10 mm fasteners
- Infiniti® and Mercedes® vehicles use 8 mm fasteners
- Splash shields on Chevrolet® Cruze® vehicles and Buick® Verano® vehicles use 8 mm fasteners
- Overall length 1.44"

S6911 9 mm/11 mm Flip Socket: use on 9 mm and 11 mm fasteners found in applications for European vehicles

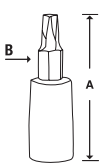
S61214 12 mm/14 mm Flip Socket: use on 12 mm and 14 mm fasteners found in numerous applications on Asian vehicles

S61315 13 mm/15 mm Flip Socket: use on 13 mm and 15 mm fasteners found in numerous applications on US vehicles

GMB3042 Hex-to-Square Adaptor (2" long)

GMB3046 Hex-to-Square Adaptor (6" long)

TORX® BIT SOCKETS





212EFTXY

GTTX15E



105TUTX

TORX/Standard

#	Stock No.	Stock No.	A	B
T8	**TTX8E**	**GTTX8E**	1 9/16	**TTX8E2**
T10	**TTX10E**	**GTTX10E**	1 9/16	**TTX10E2**
T15	**TTX15E**	**GTTX15E**	1 9/16	**TTX15E2**
T20	**TTX20E**	**GTTX20E**	1 9/16	**TTX20E2**
T25	**TTX25E**	**GTTX25E**	1 9/16	**TTX25E2**
T27	**TTX27E**	–	1 9/16	**FTX27E2**
T30	**TTX30E**	–	1 9/16	**FTX30E2**
T40	**TTX40E**	–	1 9/16	**FTX40E2**

Sets shown include storage tray

212EFTXY Combination *TORX* Set

- Includes 1/4" drive TTX8E–TTX25E *TORX* Drivers plus 3/8" drive FTX27E–FTX55E *TORX* Drivers and FTX47E GM® style Driver (12pc) (T8–T55 plus *GM* style T47) in storage tray

TORX/Stubby Universal

#	Stock No.	A	Set Contains: 105TUTX
T20	**TUTX20E**	1 3/4	•
T25	**TUTX25E**	1 3/4	•
T27	**TUTX27E**	1 3/4	•
T30	**TUTX30E**	1 3/4	•
T40	**TUTX40E**	1 3/4	•

Set shown includes storage tray

105TUTX Applications: T40 for Porsche® 2005 and newer 911, Boxster® and Cayenne® for ignition coil bolts. T30 for Volvo® turbo return lines. T30 for Honda® airbag control module inside passenger compartment of dashboard. T30 for pump alignment on Mitsubishi® F4A51 transmissions (97 and later). Numerous other applications for *Mercedes* that require a stubby *TORX* where a regular *TORX* bit socket will not fit in T20, T25 and T27.

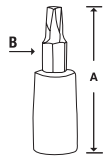
⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

TORX® BIT SOCKETS



210EFTXL





209EFTXBY

TORX/Long

#	Stock No.	A	B
T8	**TTXL8E**	4 1/16	**TTXL8E2**
T10	**TTXL10E**	4 1/16	**TTXL10E2**
T15	**TTXL15E**	4 1/16	**TTXL15E2**
T20	**TTXL20E**	4 1/16	**TTXL20E2**
T25	**TTXL25E**	4 1/16	**TTXL25E2**

210EFTXL Combination Long *TORX* Set
- Includes 1/4" drive TTXL8E–TTX25LE *TORX* Drivers plus 3/8" drive FTXL27E–FTX55LE *TORX* Drivers (10 pcs) (T8–T55) in storage tray

TORX/Heavy Duty Removal

#	Stock No.	A	B
T15	**TTXB15E**	1 9/16	**TTXB15E2**
T20	**TTXB20E**	1 9/16	**TTXB20E2**
T25	**TTXB25E**	1 9/16	**TTXB25E2**

209EFTXBY Heavy Duty Removal *TORX* Set
- Includes 1/4" drive TTXB15E–TTXB25E *TORX* Drivers plus 3/8"drive FTXB27E–FTXB55E *TORX* Drivers (9 pcs) (T15–T55) in magnetic storage tray



210EFTXRY

TORX/Tamper Resistant

#	Stock No.	A	B
T8	**TTXR8E**	1 9/16	**TTXR8E2**
T10	**TTXR10E**	1 9/16	**TTXR10E2**
T15	**TTXR15E**	1 9/16	**TTXR15E2**
T20	**TTXR20E**	1 9/16	**TTXR20E2**
T25	**TTXR25E**	1 9/16	**TTXR25E2**
T40	**TTXR40E**	2 1/8	**TTXR40E2**

210EFTXRY Tamper Resistant Combination *TORX* Set
- Includes 1/4" drive TTXR8E–TTXR25E *TORX* Drivers plus 3/8" drive FTXR27E–FTXR50E *TORX* Drivers (10 pcs) (T8–T50) in magnetic storage tray

TORX Plus®

TORX Plus fasteners may be found in almost all vehicles from the 1999 model year to present. Common applications include GM® transmissions bell housing bolts and Ford® seat belt anchors. T27IP size can be used to service *Ford* Taurus and Sable vehicles front spring shields. Use of a standard *TORX* driver on *TORX Plus* fasteners may result in a rounded out fastener head or damaged driver.



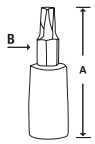
211EFTXTPY

#	Stock No.	A	B
8IP	**TTX8TPE**	1 9/16	**TTX8TPE2**
10IP	**TTX10TPE**	1 9/16	**TTX10TPE2**
15IP	**TTX15TPE**	1 9/16	**TTX15TPE2**
20IP	**TTX20TPE**	1 9/16	**TTX20TPE2**
25IP	**TTX25TPE**	1 9/16	**TTX25TPE2**

211EFTXTPY Combination Drive *TORX Plus* Set
- Includes 1/4" drive TTX8TPE–TTX25TPE Drivers plus 3/8" drive FTX27TPE–FTX55TPE Drivers (11 pcs) (8IP–55IP) in magnetic storage tray. *TORX Plus* fasteners may be found in almost all vehicles from the 1999 model year to present. Common applications include *GM* transmission bell housing bolts and *Ford* seat belt anchors. Use of a standard *TORX* Driver on *TORX Plus* fasteners may result in a rounded out fastener head or damaged driver

TORX Plus®/Tamper Resistant

Five-lobe configuration. Two-piece pinless design holds bit securely in socket while facilitating quick bit replacement. Cold formed socket delivers a strong, durable tool. Chrome plating resists corrosion and cleans easily.





211EFTXRTPY

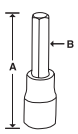
#	Stock No.	A	B
8IPR	TTXR8TPE	1 9/16	TTXR8TPE2
10IPR	TTXR10TPE	1 9/16	TTXR10TPE2
15IPR	TTXR15TPE	1 9/16	TTXR15TPE2
20IPR	TTXR20TPE	1 9/16	TTXR20TPE2
25IPR	TTXR25TPE	1 9/16	TTXR25TPE2

Set shown includes magnetic storage tray

211EFTXRTPY Tamper Resistant Combination *TORX Plus* Set

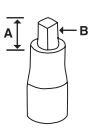
- Includes 1/4" drive TTXR8TPE–TTXR25TPE *TORX Plus* Drivers plus 3/8" drive FTXR27TPE–FTXR55TPE *TORX Plus* Drivers (11 pcs) (8IPR–55IPR). Applications for set include 2003 Ford® Mustang® transmissions, 2004 *Ford* F-150 transfer case, 2004 Porsche® Cayenne® turbo air sensor, Delphi® and Stanadyne® pumps, Cummins® B and C engine injection pumps and John Deere® diesel injector pumps

METRIC HEX BIT SOCKETS





210EFTAMY





208EFTAMXSY

Hex/Standard, mm

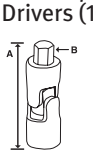
Set Contains: 106ETMAMY

mm		A	B	
2	TMAM2E	47.8	TMAM2E2A	•
2.5	TMAM2.5E	47.8	TMAM2.5E2	•
3	TMAM3E	47.8	TMAM3E2	•
4	TMAM4E	47.8	FAM4E2	•
5	TMAM5E	47.8	FAM5E2	•
6	TMAM6E	47.8	FAM6E2	•

Sets include magnetic storage tray

210EFTAMY Combination Metric Standard Hex Set

- Includes 1/4" drive TMAM2E–TMAM3E Standard Length Drivers plus 3/8" drive FAM4E–FAM10E Standard Length Drivers (10 pcs) (2 mm–10 mm)





TUAM6E

Hex/Universal Stubby, mm

mm		A
5	TUAM5E	38.1
6	TUAM6E	38.1

Hex/Stubby, mm

mm		A	B
3	TMAMXS3E	26.0	TMAMXS3E2
4	TMAMXS4E	27.0	TMAMXS4E2
5	TMAMXS5E	27.0	TMAMXS5E2
6	TMAMXS6E	29.0	TMAMXS6E2

Set includes magnetic storage tray

208EFTAMXSY Metric Combination Stubby Hex Set

- Includes 1/4" drive TMAMXS3E–TMAMXS6E Stubby Drivers plus 3/8" drive FAMXS7E–FAMXS10E Stubby Drivers (8 pcs) (3 mm–10 mm)



208EFTABMY

Ball Hex/Standard, mm

		A	B
3	TMABM3E	47.7	TMABM3E2
4	TMABM4E	47.6	TMABM4E2
5	TMABM5E	47.9	TMABM5E2
6	TMABM6E	47.9	TMABM6E2

Set includes magnetic storage tray

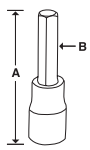
208EFTABMY Metric Ball Hex Combination Set

- Includes 1/4" drive TMABM3E–TMABM6E Standard Length Drivers plus 3/8" drive FABM7E–FABM10E Standard Length Drivers (8 pcs) (3 mm–10 mm)

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

HEX BIT SOCKETS







GTMA8E



110ETMAY

Hex/Standard, inches

Set Contains: 110ETMAY							
			A	B	Length with Opt. Long Bit	Optional Long Bit	
1/16	TMA2E	–	1 7/8	TMA2E2	6	TMAL2E2	•
5/64	TMA2.5E	GTMA2.5E	1 7/8	TMA2.5E2	6	TMAL2.5E2	•
3/32	TMA3E	GTMA3E	1 7/8	TMA3E2	6	TMAL3E2	•
7/64	TMA3.5E	–	1 7/8	TMA3.5E2	6	TMAL3.5E2	•
1/8	TMA4E	GTMA4E	1 7/8	TMA4E2	6	TMAL4E2	•
9/64	TMA4.5E	–	1 7/8	TMA4.5E2	6	TMAL4.5E2	•
5/32	TMA5E	GTMA5E	1 7/8	FA5E2	—	–	•
3/16	TMA6E	GTMA6E	1 15/16	FA6E2	—	–	•
7/32	TMA7E	GTMA7E	1 7/8	FA7E2	—	–	•
1/4	TMA8E	GTMA8E	1 7/8	FA8E2	—	–	•

NOTE: Optional long bits are not included in the listed sets. Sets shown include storage tray

212EFTAY Combination Drive Standard Hex Set
- Includes 1/4" drive TMA2E–TMA3.5E Hex Drivers plus 3/8" drive FA4E–FA12E Hex Drivers (12 pcs) (1/16"–3/8")



208EFTAXSY



208EFTABY

Hex/Stubby, inches

		A	B
3/32	TMAXS3E	1 1/32	TMAXS3E2
1/8	TMAXS4E	1 1/32	TMAXS4E2
9/64	TMAXS4.5E	1 1/16	TMASX4.5E2
5/32	TMAXS5E	1 1/16	TMAXS5E2
3/16	TMAXS6E	1 3/32	TMAXS6E2

Set shown includes magnetic storage tray

208EFTAXSY Combination Drive Stubby Hex Set
- Includes 1/4" drive TMAXS4E–TMAXS6E Stubby Drivers plus 3/8" drive FAXS7E–FAXS12E Stubby Drivers (8 pcs) (1/8"–3/8")

TMAXS3E Stubby Hex Socket Driver
- For fasteners on Rolls-Royce® commercial aircraft V2500 engines. A stubby bit socket allows for a positive fit, giving more direct torque when removing or installing these fasteners

Ball Hex/Standard, inches

		A	B
1/8	TMAB4E	1 7/8	TMAB4E2
9/64	TMAB4.5E	1 7/8	TMAB4.5E2
5/32	TMAB5E	1 7/8	TMAB5E2
3/16	TMAB6E	1 7/8	TMAB6E2
7/32	GTMAB7E	1 7/8	FAB7E2

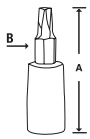
Sets shown include magnetic storage tray

208EFTABY Combination Standard Ball Hex Set
- Includes 1/4" drive TMAB4E–TMAB6E Ball Hex Drivers plus 3/8" drive FAB7E–FAB12E Ball Hex Drivers (8 pcs) (1/8"–3/8")

SPECIAL APPLICATION BIT



PTMTS4SE



MORTORQ®/Super Bit

#	Stock No.	A	B
MTS-4	PTMTS4SE	1 11/16	PTMTS4E2

PTMTS4SE *MORTORQ* Stubby Bit Socket

Applications:
- Connects the fuel cell to the electric motors and other systems on Hyundai® Tucson® IX Fuel Cell Vehicles

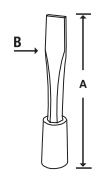
FLAT TIP AND PHILLIPS® TIP BIT



TMC106E



TM82



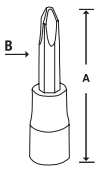
— Flat Tip, inches

		Stock No.	A	B
Standard Length	3/16 x .032	TMC104E	2 7/8	TMC104E2A
	1/4 x .032	TMC105E	2 15/16	TMC105E2A
	3/8 x .042	TMC106E	2 7/8	TMC106E2A
Short	1/4 x .036	TM82	7/8	TM82-2C

FLAT TIP AND PHILLIPS® TIP BIT SOCKETS

Phillips/Standard

		Stock No.	Industrial Stock No.	A	B
Standard Length	#1	TMP12E	GTMP12E	1 7/8	TMP12E2
	#2	TMP22E	–	1 7/8	FP22E2
Short	#2	TMP21E	–	1 1/4	TMP21E2
	#2	TMP82	–	15/16	TMP82-2B
Long	#2	TMP23E	–	3 1/16	TMP23E2



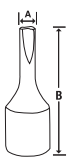


TMP22E GTMP12E TMP82 TMP23E

CLUTCH BIT SOCKETS

Clutch, Standard Length

		A	B
3/16	TM27E	3/16	1 3/8
1/4	TM30E	1/4	1 3/8
5/32	TM31E	5/32	1 3/8





TM30E

IMPACT ACCESSORIES





103ITMX

Impact Extensions

- Features snap ring anvil for excellent socket to extension engagement
- Designed for use with most 1/4" cordless electric and air operated impact tools

Set Contains: 103ITMX

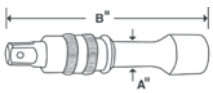
Stock No.	Finish	A	B	
ITMX20	Industrial Finish	5/16	2	•
ITMX40	Industrial Finish	5/16	4	•
ITMX60	Industrial Finish	5/16	6	•

Set shown includes storage tray



105TMIXL

Impact Locking



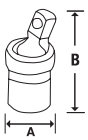
Impact Locking Extensions

- Quick release locking sleeve provides secure connection and easy socket removal
- Knurled release collar for easy one-hand operation, even with slippery hands
- Female drive end recessed to accommodate new style impact guns
- Positive pin lock retains socket securely
- Heavy duty shank for high torque applications

Set Contains: 105TMIXL

Stock No.	A	B	
TMIXL32	11/32	2 7/8	•
TMIXL62	11/32	5 7/8	•
TMIXL122	11/32	11 7/8	•
TMIXL182	11/32	17 3/4	•
TMIXL242	11/32	23 3/4	•

Set includes storage tray





IPM80A



IPM800A

Swivel Ball Universal Joint (Impact)

Stock No.	Retention Type	A	B
IPM80A	Lock Button	5/8	1 3/8
IPM800A	Friction Ball	5/8	1 3/8

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

FLANK DRIVE® IMPACT SOCKETS



112IMTMM

Shallow, mm

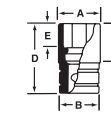
Set Contains: 112IMTMM

mm	6	A	B	C	D	E	6
5	IMTMM5	8.5	12.1	13.1	22.2	4.1	•
5.5	IMTMM5.5	9.3	12.1	13.1	22.2	4.1	•
6	IMTMM6	10.2	12.1	13.1	22.2	6.1	•
7	IMTMM7	11.5	12.1	13.1	22.2	6.1	•
8	IMTMM8	12.7	12.7	13.1	22.2	6.1	•
9	IMTMM9	14.0	14.0	13.1	22.2	6.1	•
10	IMTMM10	15.2	15.2	13.0	22.2	6.1	•
11	IMTMM11	16.4	16.4	12.8	22.2	6.4	•
12	IMTMM12	17.3	17.3	12.7	22.2	7.1	•
13	IMTMM13	18.7	18.7	12.5	22.2	7.4	•
14	IMTMM14	20.3	20.3	13.1	23.0	8.6	•
15	IMTMM15	21.1	21.1	13.9	23.8	8.9	•

Set includes magnetic storage tray



112SIMTMM



Deep, mm

Set Contains: 112SIMTMM

mm	6	A	B	C	D	E	6
5	SIMTMM5	8.5	12.1	41.9	50.8	4.1	•
5.5	SIMTMM5.5	9.3	12.1	41.9	50.8	4.1	•
6	SIMTMM6	10.2	12.1	41.9	50.8	6.1	•
7	SIMTMM7	11.5	12.1	41.9	50.8	6.1	•
8	SIMTMM8	12.7	12.7	41.9	50.8	6.1	•
9	SIMTMM9	14.0	14.0	41.9	50.8	6.1	•
10	SIMTMM10	15.2	15.2	41.9	50.8	6.1	•
11	SIMTMM11	16.4	16.4	41.9	50.8	6.4	•
12	SIMTMM12	17.3	17.3	41.9	50.8	7.1	•
13	SIMTMM13	18.7	18.7	41.9	50.8	7.4	•
14	SIMTMM14	20.3	20.3	41.9	50.8	8.6	•
15	SIMTMM15	21.1	21.1	41.9	50.8	8.9	•

Set includes magnetic storage tray



106IMTM

Shallow, inches

Set Contains: 106IMTM

"	6	A	B	C	D	E	6
1/4	IMTM8A	13/32	1/2	17/32	7/8	1/4	•
5/16	IMTM10A	1/2	1/2	17/32	7/8	1/4	•
3/8	IMTM12A	9/16	1/2	17/32	7/8	1/4	•
7/16	IMTM14A	21/32	1/2	17/32	7/8	1/4	•
1/2	IMTM16A	23/32	1/2	17/32	7/8	9/32	•
9/16	IMTM18A	13/16	1/2	9/16	29/32	11/32	•



106SIMTM

Deep, inches

Set Contains: 106SIMTM

"	6	A	B	C	D	E	6
1/4	SIMTM8	13/32	15/32	1 1/2	2	1/4	•
5/16	SIMTM10	1/2	1/2	1 1/2	2	1/4	•
3/8	SIMTM12	9/16	9/16	1 1/2	2	1/4	•
7/16	SIMTM14	21/32	21/32	1 1/2	2	1/4	•
1/2	SIMTM16	11/16	11/16	1 1/2	2	9/32	•
9/16	SIMTM18	13/16	13/16	1 1/2	2	11/32	•

ASME®/ANSI® B107.2

Set includes magnetic storage tray

FLANK DRIVE IMPACT SWIVEL SOCKETS



106IPTMM

Shallow Swivel, mm

Set Contains: 106IPTMM

mm	6	A	B	D	E	6
5	IPTMM5	8.6	15.4	35.4	4.1	
5.5	IPTMM5.5	9.5	15.4	35.8	4.1	
6	IPTMM6	10.7	15.4	36.2	4.1	
7	IPTMM7	11.5	15.4	37.4	4.3	
8	IPTMM8	12.7	15.4	38.6	4.8	•
9	IPTMM9	13.9	15.4	39.7	5.3	
10	IPTMM10	15.2	15.4	41.0	5.8	•
11	IPTMM11	16.4	15.4	42.5	6.4	
12	IPTMM12	17.3	17.9	44.9	6.9	•
13	IPTMM13	18.7	17.9	46.1	7.4	•
14	IPTMM14	20.4	17.9	47.6	7.8	•
15	IPTMM15	21.1	17.9	48.1	7.8	•

Set includes storage tray (not magnetic)



106IPTM



Shallow Swivel, inches

Set Contains: 106IPTM

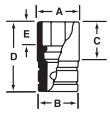
"	6	A	B	C	D	6
1/4	IPTM8	27/64	39/64	1 27/64	5/32	•
5/16	IPTM10	1/2	39/64	1 1/2	3/16	•
3/8	IPTM12	35/64	39/64	1 13/16	7/32	•
7/16	IPTM14	41/64	39/64	1 13/16	1/4	•
1/2	IPTM16	45/64	46/64	1 13/16	19/64	•
9/16	IPTM18	51/64	45/64	1 7/8	5/16	•

Set includes storage tray (not magnetic)

Shallow 10 pt., mm

- 2009–Current Honda® Odyssey® and Pilot vehicles front seat tracks
- Two fasteners on each track. One each 8 mm and 10 mm
- Forged from tough alloy steel
- Heat treated to a lower hardness to add impact resistance and ductility

DPTM8 Shallow Impact Socket, 8 mm, 10 pt.
DPTM10 Shallow Impact Socket, 10 mm, 10 pt.





DPTM10

Locking Power Adaptors

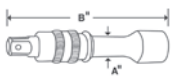
- Use with electric/cordless drills and screwdrivers that accept 1/4" shanks
- Manufactured from the highest quality proprietary steel, providing optimum strength and durability
- Knurled sleeve provides easy attachment and removal of sockets even with the greasiest hands
- One-handed lock mechanism with ball retention ensures socket retention and allows for faster socket attachment and removal
- Black oxide finish helps protect against corrosion for longer tool life



103TMLPA

Stock No.	A	B	Set Contains: 103TMLPA
TMLPA2	1/4	2	•
TMLPA4	1/4	4	•
TMLPA6	1/4	6	•

Set includes storage tray



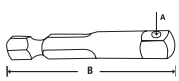
Hex-To-Square Adaptors (Power)

- 1/4" hex size; 1" length of hex

Stock No.	A	B
GM3042A	Lock Button	2
GM3043	Lock Button	4
GM3046	Lock Button	6
GM3048	Lock Button	8

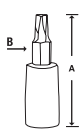


GM3042A



TORX®/Power Drivers

#	Stock No.	A	B
T20	PTTX20E	1 9/16	TTX20E2
T25	PTTX25E	1 9/16	TTX25E2

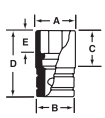




PTTX20E

Shallow Magnetic, mm

- Magnetic sockets are perfect for installing and removing a fastener as the magnetic feature will hold the fastener in the socket, saving time and frustration
- Square drive side hole works with ball or pin type retention
- *Flank Drive* wrenching system grips the fastener on the socket flanks (flats) to deliver up to 15%–20% more turning power





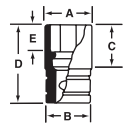
110MGMM

mm	6	A	B	D	E	6 Set Contains: 110MGMM
5	MGMM5	8.4	12.1	22.8	4.6	•
5.5	MGMM5.5	9.3	12.1	22.8	5.1	•
6	MGMM6	10.2	12.1	22.8	6.1	•
7	MGMM7	11.5	12.1	22.8	6.1	•
8	MGMM8	12.7	12.7	23.8	6.1	•
10	MGMM10	15.2	15.2	23.8	6.1	•
12	MGMM12	17.3	17.3	23.8	6.4	•
13	MGMM13	18.9	18.9	23.8	7.9	•
14	MGMM14	20.5	20.5	23.8	8.6	•
15	MGMM15	21.3	21.3	23.8	8.6	•

⚠WARNING

- Do not use industrial finish power tools with impact drivers
- Read safety precautions on pages W1 to W4

FLANK DRIVE® MAGNETIC POWER SOCKETS





MGM8D



MGMMS11B



MGMS10A

Shallow Magnetic, inches

	6	A	B	D	E
1/4	MGM8D	7/16	1/2	7/8	3/32
5/16	MGM10C	1/2	1/2	15/16	3/32
3/8	MGM12C	9/16	19/32	15/16	1/8
7/16	MGM14C	11/16	11/16	15/16	1/8

Deep Magnetic, mm

mm	6	A	B	D	E
7	MGMMS7A	10.7	12.4	50.8	5.8
8	MGMMS8A	11.8	12.4	50.8	5.8
10	MGMMS10A	14.1	14.1	50.8	6.4
11	MGMMS11B	15.6	15.6	50.8	6.4
12	MGMMS12B	17.3	17.3	50.8	7.1
13	MGMMS13A	18.1	18.1	50.8	7.6

Deep Magnetic, inches

	6	A	B	D	E
1/4	MGMS8A	3/8	7/16	2	3/32
5/16	MGMS10A	3/8	15/32	2	5/16

1/8" DRIVE GENERAL SERVICE SET



1605TA

1605TA General Service Set 5 Tools, Includes:

	6-Point Sockets
3/32"	T6
1/8"	T8
5/32"	T10
3/16"	T12
1/8" Drive Handle	T40A

GENERAL SERVICE SETS



107ATMPB

107ATMPB Expandable General Service Set and Additions
Start with the 107ATMPB General Service Set and add any of the suggested socket sets below to custom build exactly the 1/4" drive set you need. The storage case has a large enough cavity to accommodate two rows of sockets — standard, semi deep, deep, universal or any combination of these in fractional or metric sizes.

Seven Tools, includes:

T72	High Strength Sealed Ratchet
TMU8B	Universal Joint
TMXK2	2" Knurled Extension
TMXK4	4" Knurled Extension
TMXK60	6" Knurled Extension
TM10G	Breaker Bar
SGT4BR	1/4" Dr. Standard Shank Driver

Set (Add-on)

Suggested additions not included in set:	110TMY	6-Point Shallow Socket Set (10pc)
	110STMY	6-Point Deep Socket Set (10pc)
	111TMMDY	12-Point Metric Shallow Socket Set (11pc)
	111STMMDY	12-Point Metric Deep Socket Set (11pc)
	106ETMAMY	Metric Hex Driver Set (6pc)



131TMPB



117TMM

131TMPB 6-Point Metric Set

31 Tools, Includes:

mm	6-Point Shallow Sockets	6-Point Deep Sockets
5	TMM5	STMM5
5.5	TMM5.5	STMM5.5
6	TMM6	STMM6
7	TMM7	STMM7
8	TMM8	STMM8
9	TMM9	STMM9
10	TMM10	STMM10
11	TMM11	STMM11
12	TMM12	STMM12
13	TMM13	STMM13
14	TMM14	STMM14
15	TMM15	STMM15

Also Includes:		
	TMXK60	6" Knurled Extension
	SSDMR4B	Magnetic Ratcheting Screwdriver
	TMXK2	2" Knurled Extension
	T72	High Strength Sealed Ratchet
	TM10G	Breaker Bar
	TMU8B	Universal Joint
	GMB3041	Hex-To-Square Adaptor

117TMM Metric 6-Point Starter Set

17 Tools, Includes:

mm	6-Point Shallow Sockets
4	TMM4
5	TMM5
5.5	TMM5.5
6	TMM6
7	TMM7
8	TMM8
9	TMM9
10	TMM10
11	TMM11
12	TMM12
13	TMM13
14	TMM14
15	TMM15

Also Includes:		
	T72	High Strength Sealed Ratchet
	TMU8B	Universal Joint
	TMXK2	2" Knurled Extension
	TMXK4	4" Knurled Extension



144TMPB

144TMPB 6-Point Metric/Fractional Set

44 Tools, Includes:

Also Includes:		
	T72	High Strength Sealed Ratchet
	TMU8B	Universal Joint
	TMXK2	2" Knurled Extension
	TMXK60	6" Knurled Extension
	PB99A	Storage Box

mm	6-Point Shallow Sockets		6-Point Shallow Sockets	mm	6-Point Deep Sockets		6-Point Deep Sockets
5.5	TMM5.5	3/16	TM6*	5.5	STMM5.5	3/16	STM6
6	TMM6	7/32	TM7*	6	STMM6	7/32	STM7
7	TMM7	1/4	TM8	7	STMM7	1/4	STM8
8	TMM8	9/32	TM9	8	STMM8	9/32	STM9
9	TMM9	5/16	TM10	9	STMM9	5/16	STM10
10	TMM10	11/32	TM11	10	STMM10	11/32	STM11
11	TMM11	3/8	TM12	11	STMM11	3/8	STM12
12	TMM12	7/16	TM14	12	STMM12	7/16	STM14
13	TMM13	1/2	TM16	13	STMM13	1/2	STM16
14	TMM14	9/16	TM18	14	STMM14	9/16	STM18

*Conventional hex

⚠WARNING

- Do not use "cheater bars" on handles
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

GENERAL SERVICE SETS



114ATMP

114ATMP 6-Point Fractional Set

14 Tools, Includes:

	6-Point Shallow Sockets
3/16	TM6
7/32	TM7
1/4	TM8
9/32	TM9
5/16	TM10
11/32	TM11
3/8	TM12
7/16	TM14
1/2	TM16
9/16	TM18

Also Includes:		
	T72	High Strength Sealed Ratchet
	TMU8B	Universal Joint
	TMXK2	2" Knurled Extension
	TMXK4	4" Knurled Extension



120DTMPB

120DTMPB 6-Point Fractional General Service

20 Tools, Includes:

	6-Point Shallow Sockets
3/16	TM6
7/32	TM7
1/4	TM8
9/32	TM9
5/16	TM10
11/32	TM11
3/8	TM12
7/16	TM14
1/2	TM16
9/16	TM18

Also Includes:		
	TM4CSA	Handle
	TM10G	Breaker Bar
	TM408	1/4" Double Square Socket
	TM410	5/16" Double Square Socket
	TM412	3/8" Double Square Socket
	T72	High Strength Sealed Ratchet
	TMU8B	Universal Joint
	TMXK2	2" Knurled Extension
	TMXK4	4" Knurled Extension
	TMXK60	6" Knurled Extension



134ATMP

134ATMP 6-Point Fractional Set

34 Tools, Includes:

	6-Point Shallow Sockets		6-Point Deep Sockets
3/16	TM6	3/16	STM6
7/32	TM7	7/32	STM7
1/4	TM8	1/4	STM8
9/32	TM9	9/32	STM9
5/16	TM10	5/16	STM10
11/32	TM11	11/32	STM11
3/8	TM12	3/8	STM12
7/16	TM14	7/16	STM14
1/2	TM16	1/2	STM16
9/16	TM18	9/16	STM18

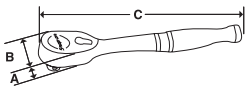
Also Includes:		
	T72	High Strength Sealed Ratchet
	TMU8B	Universal Joint
	TMXK2	2" Knurled Extension
	TMXK4	4" Knurled Extension
	TMXK60	6" Knurled Extension
	SGT4BR	1/4" Dr. Standard Shank Driver
	TM10G	Breaker Bar
	TM61A	1/4" Dr. Flexible Extension, 6" long
	TM67A	Ratchet Adaptor
	TM82	1/4" x .036" Flat Tip Driver
	TM408	1/4" Double Square Socket
	TM410	5/16" Double Square Socket
	TM412	3/8" Double Square Socket
	TMS70A	Ratchet Spinner



BPRTR936



BPRTR936SG



Quick Release Ratchets

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
BPRTR936	Standard Handle	36	10°	15/32	31/32	5 5/8	RKRBPRTR936
BPRTR936SG	Soft Grip Handle	36	10°	15/32	31/32	5 5/8	RKRBPRTR936

ASME®/ANSI® B107.10

BPR703 Quick Release Ratchet Set
1/4" drive BPRTR936, 3/8" drive BPRFR938 and 1/2" drive BPRSR940 Ratchets (3 pcs) in storage tray.

BPR703SG Quick Release Ratchet Set
1/4" drive BPRTR936SG, 3/8" drive BPRFR938SG and 1/2" drive BPRSR940SG Soft Grip Ratchets (3 pcs) in storage tray.



FSDR



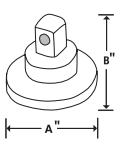
BLPSD14



FSD14



FSD38



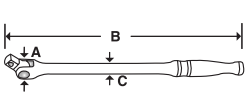
Ratchet Spinners

Stock No.	Square Drive, inches	Description	A	B
FSDR	1/4 Male to 1/4 Female	Finger Ratchet	1 1/8	1 7/16
BLPSD14	3/8 Male to 1/4 Female	Ratchet Spinner	7/8	27/32
FSD14	3/8 Male to 1/4 Female	Spinner Adaptor	1	1 1/2
FSD38	1/4 Male to 3/8 Female	Spinner Adaptor	1	1 1/2

ASME/ANSI B107.10

FSD3KT Spinner Adaptor Set
Includes FSD14 (3/8 male to 1/4 female), FSD38 (1/4 male to 3/8 female) and FSD1 (3/8 male to 3/8 male).

FSDR Finger Ratchet
Reversible, finger ratchet. Small size works great for extremely tight areas. Aluminum knurled outer ring for sure grip. 1/4" drive on one side and 1/4" hex drive on other side.





BLPBB146

Breaker Bar

Stock No.	Description	A	B	C
BLPBB146	Standard Handle	5/8	6	3/8

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

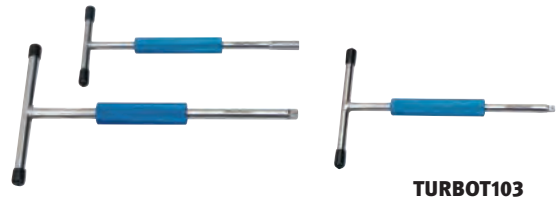
RATCHETS, HANDLES AND ACCESSORIES Blue-Point®



BLPCGHD146

Handled Driver

Stock No.	Description	Length
BLPCGHD146	Spinner Handle	6



TURBOT103

Turbo T-handle Speed Drivers

TURBOT103 Turbo T-handle Set

- T9TURBO (1/4" drive), TH10TURBO (1/4" hex) and F11TURBO (3/8" drive)
- 3 pcs in storage tray

Stock No.	Description	Handle Type
T9TURBO	1/4" Square Drive	Turbo T-Handle
TH10TURBO	1/4" Hex	Turbo T-Handle



BLPTXK3

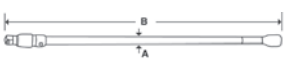


Knurled

Stock No.	B
BLPTXK1.5	1 9/16
BLPTXK2	2 3/32
BLPTXK3	2 15/16
BLPTXK4	4
BLPTXK6	6



103TMXLBP



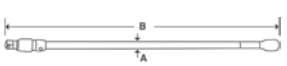
Locking

Stock No.	B	103TMXLBP Set Contains:
TMXLBP4	4	•
TMXLBP6	6	•
TMXLBP10	10	•

Set shown includes storage tray



YA515A



Locking (Set Screw)

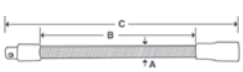
YA515A Set Screw Locking Extension

- Allows easy and secure tool stacking
- Securely connects breaker bar, extensions and ratchets to socket and socket drivers for overhead work
- Sliding sleeve for easy removal

Stock No.	Finish	A	B
YA515A	Chrome	1/2	1 11/16



BLPEXTF146

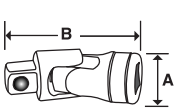


Flexible Extension

Stock No.	A	B	C
BLPEXTF146	5/16	3 5/8	6



BLPUJ14



Universal Joint

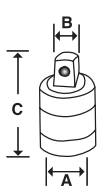
Stock No.	A	B
BLPUJ14	5/8	1 1/2



BLPAFM3814



BLPAFM1438



Adaptors

Stock No.	Description	A	B
BLPAFM3814	Square Drive Adaptor	3/8	1/4
BLPAFM1438	Square Drive Adaptor	1/4	3/8


BLPSM145


BLPSM149


BLPSM1412


BLPS1414


BLPS14716

Shallow, mm

mm	6	Length, mm
4	BLPSM144	24.8
4.5	BLPSM144.5	24.8
5	BLPSM145	24.8
5.5	BLPSM145.5	24.8
6	BLPSM146	24.8
7	BLPSM147	24.8
8	BLPSM148	24.8
9	BLPSM149	24.8
10	BLPSM1410	24.8
11	BLPSM1411	24.8
12	BLPSM1412	24.8
13	BLPSM1413	24.8
14	BLPSM1414	24.8

Shallow, inches

	6	Length, inches
3/16	BLPS14316	1
7/32	BLPS14732	1
1/4	BLPS1414	1
9/32	BLPS14932	1
5/16	BLPS14516	1
11/32	BLPS141132	1
3/8	BLPS1438	1
7/16	BLPS14716	1
1/2	BLPS1412	1
9/16	BLPS14916	1
5/8	BLPS1458	1


BLPLSM145


BLPLSM1412


BLPLS1414


BLPLS1412

Deep, mm

mm	6	Length, mm
4	BLPLSM144	50
5	BLPLSM145	50
6	BLPLSM146	50
7	BLPLSM147	50
8	BLPLSM148	50
9	BLPLSM149	50
10	BLPLSM1410	50
11	BLPLSM1411	50
12	BLPLSM1412	50
13	BLPLSM1413	50
14	BLPLSM1414	50

Deep, inches

	6	Length, inches
3/16	BLPLS14316	1 31/32
7/32	BLPLS14732	1 31/32
1/4	BLPLS1414	1 31/32
9/32	BLPLS14932	1 31/32
5/16	BLPLS14516	1 31/32
11/32	BLPLS141132	1 31/32
3/8	BLPLS1438	1 31/32
7/16	BLPLS14716	1 31/32
1/2	BLPLS1412	1 31/32
9/16	BLPLS14916	1 31/32
5/8	BLPLS1458	1 31/32

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

SOCKETS Blue-Point®



BLPS81438

Double Square

	8	Length, inches
1/4	BLPS81414	1
5/16	BLPS814516	1
3/8	BLPS81438	1



TSTY70



122TSTY

Twist Impact, inches (mm)

#	Stock No.	Length, inches (mm)	122TSTY Set Contains:
4.50 mm	TSTY45	1 (25.4)	•
4.75 mm and 3/16"	TSTY47	1 (25.4)	•
5.00 mm	TSTY50	1 (25.4)	•
5.25 mm	TSTY52	1 (25.4)	•
5.50 mm	TSTY55	1 (25.4)	•
5.75 mm	TSTY57	1 (25.4)	•
6.00 mm	TSTY60	1 (25.4)	•
6.25 mm and 1/4"	TSTY62	1 (25.4)	•
6.50 mm	TSTY65	1 (25.4)	•
6.75 mm	TSTY67	1 (25.4)	•
7.00 mm	TSTY70	1 (25.4)	•
7.25 mm and 9/32"	TSTY72	1 (25.4)	•
7.50 mm	TSTY75	1 (25.4)	•
7.75 mm	TSTY77	1 (25.4)	•
8.00 mm and 5/16"	TSTY80	1 (25.4)	•
8.25 mm	TSTY82	1 (25.4)	•
8.50 mm	TSTY85	1 (25.4)	•
8.75 mm and 11/32"	TSTY87	1 (25.4)	•
9.00 mm	TSTY90	1 (25.4)	•
9.25 mm	TSTY92	1 (25.4)	•
9.50 mm and 3/8"	TSTY95	1 (25.4)	•
10.00 mm	TSTY100	1 (25.4)	•

122TSTY Twist Impact Socket Set

- Remove rounded or damaged fasteners with almost any head configuration (hex, round, square and more)
- Use on nuts and bolts from 2.3 mm to 6 mm and #2 to #10 sizes and studs from 4.5 mm to 10.00 mm (3/16" to 3/8")
- Other applications include oil pan drain plugs, corroded marine nuts and bolts, exhaust manifold nuts, and pipe nipples

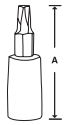
TORX® SOCKETS *Blue-Point*



BLPTE145

External *TORX*

#	Stock No.	Length, inches
E4	BLPTE144	1
E5	BLPTE145	1
E6	BLPTE146	1
E7	BLPTE147	1
E8	BLPTE148	1





TORX/Standard

BLPT1415

#	Stock No.	A
T6	BLPT146	1 7/16
T7	BLPT147	1 7/16
T8	BLPT148	1 7/16
T9	BLPT149	1 7/16
T10	BLPT1410	1 7/16
T15	BLPT1415	1 7/16
T20	BLPT1420	1 7/16
T25	BLPT1425	1 7/16
T27	BLPT1427	1 7/16
T30	BLPT1430	1 7/16



TORX/Long

BLPTL1410

#	Stock No.	A
T6	BLPTL146	3 15/16
T7	BLPTL147	3 15/16
T8	BLPTL148	3 15/16
T9	BLPTL149	3 15/16
T10	BLPTL1410	3 15/16
T15	BLPTL1415	3 15/16
T20	BLPTL1420	3 15/16
T25	BLPTL1425	3 15/16
T27	BLPTL1427	3 15/16
T30	BLPTL1430	3 15/16





BLPTORX1410

TORX/Stubby

Set Contains: BLPTORX1410

#	Stock No.	A	
T10	BLPTS1410	3/4	•
T15	BLPTS1415	3/4	•
T20	BLPTS1420	3/4	•
T25	BLPTS1425	3/4	•
T27	BLPTS1427	3/4	•
T30	BLPTS1430	3/4	•
T40	BLPTS1440	3/4	•
T45	BLPTS1445	3/4	•
T47	BLPTS1447	3/4	•
T50	BLPTS1450	3/4	•

Set shown includes storage tray



BLPTS1425TP

TORX/Tamper Resistant, Stubby

#	Stock No.	A
TP8	BLPTS148TP	3/4
TP10	BLPTS1410TP	3/4
TP15	BLPTS1415TP	3/4
TP20	BLPTS1420TP	3/4
TP25	BLPTS1425TP	3/4
TP27	BLPTS1427TP	3/4
TP30	BLPTS1430TP	3/4
TP40	BLPTS1440TP	3/4
TP45	BLPTS1445TP	3/4
TP50	BLPTS1450TP	3/4





BLPT1420TP

TORX/Tamper Resistant, Standard

#	Stock No.	A
T6	BLPT146TP	1 7/16
T7	BLPT147TP	1 7/16
T8	BLPT148TP	1 7/16
T9	BLPT149TP	1 7/16
T10	BLPT1410TP	1 7/16
T15	BLPT1415TP	1 7/16
T20	BLPT1420TP	1 7/16
T25	BLPT1425TP	1 7/16
T27	BLPT1427TP	1 7/16
T30	BLPT1430TP	1 7/16



BLPTL1425TP

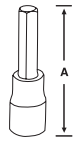
TORX/Tamper Resistant, Long

#	Stock No.	A
T6	BLPTL146TP	3 15/16
T7	BLPTL147TP	3 15/16
T8	BLPTL148TP	3 15/16
T9	BLPTL149TP	3 15/16
T10	BLPTL1410TP	3 15/16
T15	BLPTL1415TP	3 15/16
T20	BLPTL1420TP	3 15/16
T25	BLPTL1425TP	3 15/16
T27	BLPTL1427TP	3 15/16
T30	BLPTL1430TP	3 15/16

WARNING • Read safety precautions on pages W1 to W4

METRIC HEX BIT SOCKETS Blue-Point®





BLPHEXS1418

Hex/Stubby, mm

mm		A
2	**BLPHSM142**	19.05
2.5	**BLPHSM1425**	19.05
3	**BLPHSM143**	19.05
4	**BLPHSM144**	19.05
5	**BLPHSM145**	19.05
6	**BLPHSM146**	19.05
7	**BLPHSM147**	19.05
8	**BLPHSM148**	19.05
9	**BLPHSM149**	19.05
10	**BLPHSM1410**	19.05

BLPHEXS1418 Hex Driver Set
Includes all BLPHSM metric bit sockets listed above plus all BLPHS fractional bit sockets.



BLPH124



BLPHL145

Hex, mm

mm		Length, mm
2.5	**BLPH1425**	34.9
3	**BLPH123**	60.3
4	**BLPH124**	60.3
5	**BLPH125**	60.3
6	**BLPH126**	60.3

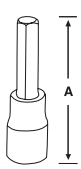
Hex/Long, mm

mm		Length, mm
4	**BLPHL144**	100
5	**BLPHL145**	100
6	**BLPHL146**	100

HEX BIT SOCKETS *Blue-Point*



BLPH1414





BLPHL14532

Hex Standard, inches

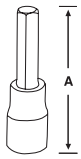
		A
1/8	**BLPH1418**	1 7/16
9/64	**BLPH14964**	1 7/16
5/32	**BLPH14532**	1 7/16
3/16	**BLPH14316**	1 7/16
7/32	**BLPH14732**	1 7/16
1/4	**BLPH1414**	1 7/16
5/16	**BLPH14516**	1 7/16

Hex/Long, inches

		Length, inches
1/8	**BLPHL1418**	3 15/16
5/32	**BLPHL14532**	3 15/16
3/16	**BLPHL14316**	3 15/16

Hex/Stubby, inches

		A
5/64	BLPHS14564	3/4
3/32	BLPHS14332	3/4
7/64	BLPHS14764	3/4
1/8	BLPHS1418	3/4
5/32	BLPHS14532	3/4
3/16	BLPHS14316	3/4
7/32	BLPHS14732	3/4
1/4	BLPHS1414	3/4
5/16	BLPHS14516	3/4
3/8	BLPHS1438	3/4





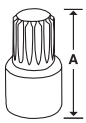
BLPHEXS1418

BLPHEXS1418 Hex Driver Set
Includes all BLPHS bit sockets listed above plus all BLPHSM metric bit sockets in storage tray.

TRIPLE SQUARE BIT SOCKETS *Blue-Point*

Triple Square/Stubby, mm

mm	Stock No.	A
4	BLPXZN144	27
5	BLPXZN145	27
6	BLPXZN146	27
8	BLPXZN148	27
10	BLPXZN1410	27
12	BLPXZN1412	27



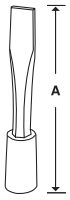


BLPXZN146

FLAT TIP BIT SOCKETS *Blue-Point*

Flat Tip, inches

		Stock No.	A
Standard Length	5/32	BLPFT14532	1 7/16
	7/32	BLPFT14732	1 7/16
	9/32	BLPFT14932	1 7/16
Short	1/4	BLPFS1414	3/4
	3/8	BLPFS1438	3/4





BLPFT14732

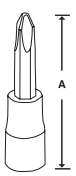


BLPFS1414

PHILLIPS® TIP BIT SOCKETS *Blue-Point*

Phillips

		Stock No.	A
Standard Length	#0	BLPP140	1 7/16
	#1	BLPP141	1 7/16
	#2	BLPP142	1 7/16
Stubby	#1	BLPPS141	3/4
	#2	BLPPS142	3/4





BLPPS142



BLPP142

WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

COMBINATION BIT SOCKET SETS Blue-Point®



BLPBSS40

BLPBSS40 1/4" Drive Stubby Bit Socket Set (40pc)

Set Components

- Ten Metric Bit Sockets (2 mm–10 mm)
- Ten Fractional Bit Sockets (5/64"–3/8")
- Ten TORX® Tamper Resistant Bit Sockets (TP8–TP50)
- Six XZN Triple Square Bit Sockets (XZN4–XZN12)
- Two Phillips® Bit Sockets (#1, #2)
- Two Flat Tip Bit Sockets (1/4", 3/8")



BLPHSSC30

Combination Socket Driver Set (30pc)

BLPHSSC30 Hex Bit Socket Set

Set Components

(1/4" drive):

- Five metric hex bit sockets (2.5 mm–6 mm)
- Six hex bit sockets (1/8"–1/4")

(3/8" drive):

- Five metric hex bit sockets (6 mm–10 mm)
- Five hex bit sockets (7/32"–7/16")

(1/2" drive):

- Five metric hex bit sockets (10 mm–19 mm)
- Four hex bit sockets (1/2"–3/4")



BLPTSSC43

Combination *TORX*/Socket and Bit Socket Set (43pc)

BLPTSSC43 *TORX* Sockets/*TORX* Bit Sockets Set

Set Components

(1/4" drive):

- Five external *TORX* sockets (E4–E8)
- Ten tamper resistant *TORX* socket drivers (T6–T30)
- Ten tamper resistant long *TORX* socket drivers (T6–T30)

(3/8" drive):

- Four external *TORX* sockets (E10–E16)
- Three tamper resistant *TORX* socket drivers (T40, T45, T50)
- Three tamper resistant long *TORX* socket drivers (T40, T45, T50)

(1/2" drive):

- Four external *TORX* sockets (E18–E24)
- Two tamper resistant *TORX* socket drivers (T55, T60)
- Two tamper resistant long *TORX* socket drivers (T55, T60)

BLPTHC87 TORX® Sockets/*TORX* and Hex Bit Sockets Set

Set Components

(1/4" drive):
- Five external *TORX* sockets (E4–E8)
- Ten *TORX* bit sockets (T6–T30)
- Ten long *TORX* bit sockets (T6–T30)
- Five metric hex bit sockets (2.5 mm–6 mm)
- Three long metric hex bit sockets (4 mm–6 mm)
- Six hex bit sockets (1/8"–1/4")
- Three long hex bit sockets (1/8"–3/16")

(3/8" drive):
- Four external *TORX* sockets (E10–E16)
- Three *TORX* bit sockets (T40–T50)
- Three long *TORX* bit sockets (T40–T50)
- Five metric hex bit sockets (6 mm–10 mm)
- Four long metric hex bit sockets (7 mm–10 mm)
- Four hex bit sockets (7/32"–3/8")
- Four long hex bit sockets (7/32"–3/8")

(1/2" drive):
- Four sxternal *TORX* sockets (E18–E24)
- Two *TORX* bit sockets (T55, T60)
- Two long *TORX* bit sockets (T55, T60)
- Two metric hex bit sockets (10 mm–19 mm)
- Five hex bit sockets (7/16"–3/4")



BLPTHC87

GENERAL SERVICE SETS *Blue-Point*

BLPGSS1427 General Service Set

Components (all 1/4" drive):
- 11 fractional (3/16"–5/8") six-point shallow sockets
- 11 fractional (3/16"–9/16") six-point deep sockets
- Three ratchet/socket accessories
- One quick release ratchet
- One spinner handle
- BLPGSS1427PB storage case



BLPGSS1427

BLPGSSM1427 General Service Set

Components (all 1/4" drive):
- 11 metric (4 mm–14 mm) six-point shallow sockets
- 11 metric (4 mm–14 mm) six-point deep sockets
- Three ratchet/socket accessories
- One quick release ratchet
- One spinner handle
- BLPGSSM1427PB storage case

BLPGSS1438 General Service Set

Components (all 1/4" drive):
- 11 fractional (3/16"–5/8") and 11 metric (4 mm–14 mm) six-point shallow sockets
- Four fractional hex bits (9/64", 3/16", 7/32", 1/4")
- Three flat tip bits (5/32", 3/16", 1/4")
- Two Phillips® tip bits (#1, #2)
- Five ratchet/socket accessories
- One quick release ratchet
- One spinner handle
- BLPGSS1438PB storage case



BLPGSSM1427



BLPGSS1438

⚠WARNING

- Do not use "cheater bars" on handles
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

GENERAL SERVICE SETS Blue-Point®



BLPGSS1451A

BLPGSS1451A General Service Set

Components (all 1/4" drive):
- Ten fractional (3/16"–9/16") and 13 metric (4 mm–14 mm) standard sockets
- Three fractional (1/4", 5/16", 3/8") eight-point sockets
- Six TORX® socket drivers (T8–T27)
- Six fractional hex socket drivers (1/8"–5/16")
- Three flat tip socket drivers (5/32", 7/32", 9/32")
- Three Phillips® socket drivers (#0, #1, #2)
- Six ratchet/socket accessories
- One ratchet
- BLPGSS1451AC storage case



BLPGSS1462

BLPGSS1462 General Service Set

Components (all 1/4" drive):
- 11 fractional (3/16"–5/8") and 11 metric (4 mm–14 mm) standard sockets
- 11 fractional (3/16"–5/8") and 11 metric (4 mm–14 mm) deep sockets
- One bit holder
- Four hex bits (9/64", 3/16", 7/32", 1/4")
- Three flat tip bits (5/32", 3/16", 1/4")
- Two *Phillips* bits (#1, #2)
- Seven ratchet/socket accessories
- One ratchet
- BLPGSS1462PB storage case



BLPGSSC100

BLPGSSC100 General Service Set

Components (1/4" drive):
- Ten fractional (3/16"–9/16") and 13 metric (4 mm–14 mm) standard sockets
- Six ratchet/socket accessories
- One ratchet

Components (3/8" drive):
- 13 fractional (1/4"–1") and 19 metric (6 mm–24 mm)
- 11 external *TORX* sockets (E4–E20)
- Two spark plug sockets (5/8", 13/16")
- Five ratchet/socket accessories
- One ratchet

Components (Combination Wrenches):
- Nine fractional combination wrenches (1/4"–3/4")
- Ten metric combination wrenches (10 mm–19 mm)
- BLPGSSC100PB storage case



BLPGSSC155

BLPGSSC155 General Service Set

Components (1/4" drive):
- Ten fractional (3/16"–9/16") and 13 metric (4 mm–14 mm) standard sockets
- Ten fractional (3/16"–9/16") and 11 metric (4 mm–14 mm) deep sockets
- 20 assorted 1/4" hex bits with bit holder
- Six ratchet/socket accessories
- One quick release ratchet components (3/8" Drive)
- 13 fractional (1/4"–1") and 19 metric (6 mm–24 mm) standard sockets
- 11 fractional (3/8"–1") and 15 metric (10 mm–24 mm) deep sockets
- 11 external *TORX* sockets (E4–E20)
- Two spark plug sockets (5/8", 13/16")
- Three metric hex socket drivers (7 mm, 8 mm, 10 mm)
- Four tamper resistant *TORX* socket drivers (T40, T45, T50, T55)
- Five ratchet/socket accessories
- One quick release ratchet
- BLPGSSC155PB storage case

PERFORMANCE-DRIVEN DRIVE TOOLS.

When it comes to outstanding performance, our 3/8" drive tools deserve to take a bow. Day after day, year after year, and generation after generation, these tools are the right fit for almost any application. They're versatile, durable and dependable. When you need a tool with an impressive skill set, our Snap-on® 3/8" drive tools deliver.

MATERIALS SECOND TO NONE.

To make the best tools, you need the best materials. That's why each *Snap-on* ratchet is built with our proprietary alloy steel – and precision-crafted gears, springs and pawls.

Dual 80® Technology — Dual pawls and an 80-tooth gear provide more power in less lateral space. In combination with the compact head, the smaller ratcheting arc makes for smooth movement and the transfer of more torque.

Full range — Because you perform a wide range of tasks, we provide a wide range of tools. With Snap-on, you'll select from a broad range of ratchets, sockets and extensions that meet every application. We'll always have the right tool for your job.



RATCHETS




F80


FL80


FLL80


FF80


GF80


FLF80


FBF80


FX80


FKF80

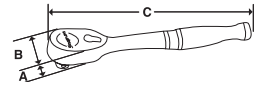

FK80

Dual 80® Technology Ratchets

Stop, Turn and Listen. A smoother, stronger ratchet. Try them to believe them.

***Dual 80* Technology Ratchets Feature:**

- 80-tooth gear
- Seven teeth in contact with gear to provide strength and durability
- Up to 25% less ratcheting arc to engage the next gear tooth
- Sealed head keeps dirt and other contaminants out of the head mechanism



Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
F80	Standard Handle	80	4.5°	9/16	1 1/4	7 7/16	**RKRF80**
FL80	Long Handle	80	4.5°	9/16	1 1/4	10 5/16	**RKRF80**
FLL80	Extra Long Handle	80	4.5°	3/4	1 5/8	17 1/2	**RKRF80**
FF80*	Standard Handle Flex Head	80	4.5°	9/16	1 1/4	8 7/16	**RKRF80**
GF80	Standard Handle, Black Industrial	80	4.5°	9/16	1 1/4	7 7/16	**RKRF80**
FLF80*	Long Flex Head	80	4.5°	9/16	1 1/4	11 1/2	**RKRF80**
FBF80*	Bent Handle Flex Head	80	4.5°	9/16	1 1/4	11 1/4	**RKRF80**
FX80**	Locking Flex Head	80	4.5°	9/16	1 1/4	11 1/2	**RKRF80**
FKF80*	Stubby Flex Head	80	4.5°	9/16	1 1/4	4 3/4	**RKRF80**
FK80***	Stubby Handle	80	4.5°	9/16	1 1/4	4 3/16	**RKRF80**

ASME®/ANSI® B107.10
*Uses RKRF841JT Flex Joint Repair Kit.
**Uses RKRF841JT Flex Joint Repair Kit and RKRFX936ALM Locking Mechanism Repair Kit.
****ASME/ANSI* B107.10 with exception of the length.


FH80


FHL80

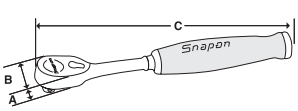

FHF80


FHLF80


FHBF80


FHOF80


FHX80



Dual 80® Technology Ratchets with Soft Grip Handle

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
FH80	Standard Handle	80	4.5°	9/16	1 1/4	9 9/16	**RKRF80**
FHL80	Long Handle	80	4.5°	9/16	1 1/4	12 7/16	**RKRF80**
FHF80*	Standard Flex Head	80	4.5°	9/16	1 1/4	9 5/8	**RKRF80**
FHLF80*	Long Flex Head	80	4.5°	9/16	1 1/4	13 11/16	**RKRF80**
FHBF80*	Bent Handle Flex Head	80	4.5°	9/16	1 1/4	13 5/16	**RKRF80**
FHOF80*	Offset Flex Head	80	4.5°	9/16	1 1/4	9 15/16	**RKRF80**
FHX80**	Locking Flex Head	80	4.5°	9/16	1 1/4	11 15/16	**RKRF80**

ASME®/ANSI® B107.10
*Uses RKRF841JT Flex Joint Repair Kit.
**Uses RKRF841JT Flex Joint Repair Kit and RKRFX936ALM Locking Mechanism Repair Kit.
FH936-12 Soft Grip Replacement Handle

⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

RATCHETS

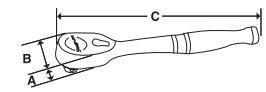


FC72



FCF72

Dual 80® Based Technology Compact Head Ratchets



- Compact head design offers greater accessibility
- Swivel head ratchets provide a variety of ratcheting positions

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
FC72	Compact Head	72	5°	7/16	15/16	4 7/16	**RKRFC72**
FCF72	Compact Flex Head	72	5°	7/16	15/16	6 1/4	**RKRFC72**

ASME®/ANSI® B107.10



FR80



FHR80



FHRLF80



FRLF80

Dual 80 Technology Quick Release Ratchets

- Quick release button for rapid socket/accessory changes, even with greasy or oily hands
- Contoured handle for comfort and control
- Chrome finish for easy cleanup

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
FR80	Standard Handle	80	4.5°	9/16	1 1/4	7 7/16	**RKRFR80**
FHR80	Soft Grip Handle	80	4.5°	9/16	1 1/4	9 9/16	**RKRFR80**
FHRLF80*	Soft Grip Long Flex Head	80	4.5°	9/16	1 1/4	13 11/16	**RKRFR80**
FRLF80*	Standard Long Flex Head	80	4.5°	9/16	1 1/4	11 1/2	**RKRFR80**

ASME/ANSI B107.10
*Uses RKRF841JT Flex Joint Repair Kit
FH936-12 Soft Grip Replacement Handle



FHNF100



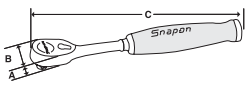
FN100



FHCNF72



FZERO

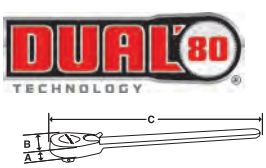


Round Head Ratchets

The Snap-on® Round Head features up to 100 teeth to achieve the lowest possible swing arc.
Slim round head ratchets are perfect for the tightest of space constaints.

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
FHNF100	Swivel Head	100	3.6°	11/16	1 3/4	12 1/2	**RKRFHNF100**
FN100	Round Head	100	3.6°	11/16	1 3/4	7 7/8	**RKRFHNF100**
FHCNF72	Compact Swivel Head	72	5°	7/16	1 1/4	6 7/8	**RKRFHCNF72**
FZERO	Gearless	N/A	–	5/8	1 1/2	7 1/2	**RKRFZERO**

ASME®/ANSI® B107.10
*FH936-12 Soft Grip Replacement Handle





RAF80

Dual 80® Technology Low-Profile Ratchet

- Square drive design works with low-profile sockets to access restricted clearance areas without loss of strength
- Use with standard 3/8" drive sockets or other attachments
- Thin handle cross section allows for increased accessibility in tight quarters
- *Dual 80* Technology requires less arc to engage the next gear tooth
- Seven teeth in contact with gear to provide strength and durability

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
RAF80	Low Profile	80	4.5°	7/16	1 1/4	7 1/2	**RKRRAF80**



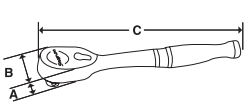
F80FOD



GF80FOD



GFL80FOD



Dual 80 Technology FOD (Foreign Object Damage) Ratchets

- Aviation and other critical applications where Foreign Object Damage prevention is crucial for success
- Designed to have the lowest profile and work with the shortest swing arc, providing better access to restricted areas

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C
F80FOD	Standard Handle	80	4.5°	9/16	1 1/4	7 7/16
GF80FOD	Standard Handle, Industrial Finish	80	4.5°	9/16	1 1/4	7 7/16
GFL80FOD	Long Handle, Industrial Finish	80	4.5°	9/16	1 1/4	10 5/16

ASME/ANSI B107.10

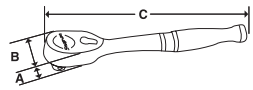
⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

RATCHETS



FCY72



Dual 80® Based Technology Hi-Lok® Ratchet

- Features a hole through the head and square drive so the fastener may be held steady with a hex wrench as the fastener's collar is tightened
- Snap-on® ratchets are put through rigorous testing to perform in the real world and provide trouble-free performance that stands the test of time
- *Snap-on* ratchets are designed to have the lowest profile and work with the shortest swing arc, providing better access to restricted areas
- *Dual 80* Ratchet Technology features dual pawls and a 72-tooth gear, providing more power in less lateral space
- Six teeth in full contact with gear to provide strength and durability
- 5° ratcheting arc means shorter movement between tooth engagement
- Sealed head keeps dirt and other contaminants out of the head mechanism
- For use with standard or *Hi-Lok* sockets

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
FCY72	Standard Handle	72	5°	7/16	15/16	4 5/8	RKRFCY72

ASME®/ANSI® B107.10



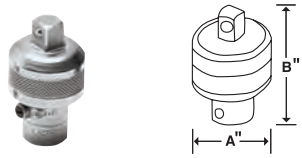
FZ936A



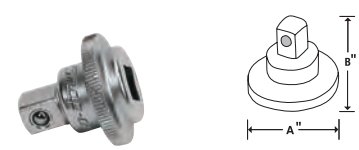
PALMRAT

Special Application Ratchets

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
FZ936A	Multi-Purpose	36	10°	5/8	1 3/16	3 1/4	RKRF936
PALMRAT	Palm Style	20	18°	1 3/16	—	2 5/8	RKRPALMRAT



F77



FRS70A

Ratchet Adaptor

Stock No.	Description	Gear Teeth	Swing Arc	A	B
F77	Ratchet Adaptor	20	18°	13/16	2 3/16

ASME/ANSI B107.10

Ratchet Spinner

Stock No.	Description	A	B
FRS70A	Ratchet Spinner	1 1/4	1 5/16

ASME/ANSI B107.10

BREAKER BARS



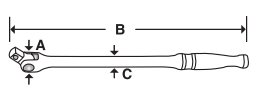
F10LC



F12LA



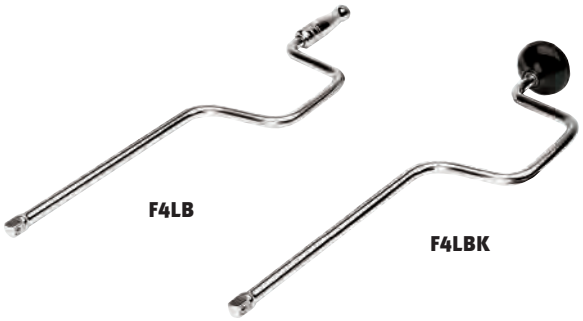
FHBB12

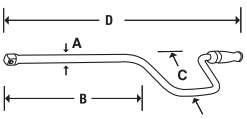


Breaker Bars

Stock No.	Description	A	B	C	Repair Kit
F10LC*	Standard Handle	13/16	9 9/16	1/2	RKBB2
F12LA*	Long Handle	13/16	11 9/16	1/2	RKBB2
FHBB12*	Soft Grip Handle	13/16	13	1/2	RKBB2

**ASME/ANSI* B107.10*

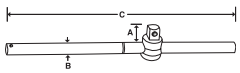




Speeders

Stock No.	A	B	C	D
F4LB	13/32	7 7/8	3 1/2	17 27/32
F4LBK*	13/32	7 7/8	3 1/2	16 5/8

*Speeder with knob

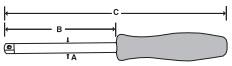




Sliding T-handle

Stock No.	A	B	C
F5L	3/4	13/32	8







Handled Drivers

Stock No.	A	B	C
F40B	1/2	1	5 5/16
SGF50BR*	1/2	3 3/32	8

*Instinct® Handle

EXTENSIONS



Knurled

Knurling at the drive end provides for easy fingertip turning.

Stock No.	Industrial Stock No.	A	B	208AFX	206AFX
FX1*	GFX1	1/2	1 1/2	•	•
FX2	–	31/64	2		
FXK3	GFXK3	13/32	3	•	•
FXK4	–	13/32	4	•	•
FXK6	GFXK6	13/32	6	•	•
FXK8	GFXK8	13/32	8	•	•
FXK11	GFXK11	13/32	11	•	•
FX18	–	1/2	18	•	
FX24A	–	1/2	24	•	
FX36	–	1/2	36		

Set Contains:

*Not Knurled
Sets do not include industrial part number

Sets include storage tray







Quick Release, Locking

- Releases socket from extension quickly and easily
- Knurling at drive end provides easy fingertip turning

Stock No.	A	B	204FXKLA
FXKL3A	1/2	3	•
FXKL6A	1/2	6	•
FXKL8A	1/2	8	
FXKL11A	1/2	11	•
FXKL12A	1/2	12	
FXKL24A	1/2	24	•

Set Contains:

FXKLP Locking pins for FXKL Series Extensions; five-pack.
FXKLRK Repair kit for FXKL Series Extensions

Set shown includes storage tray



⚠WARNING

- Do not use "cheater bars" on handles
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

EXTENSIONS



206AFXW





206AFXWP

Wobble

- Wobble function provides 16° of additional accessibility
- Knurled shanks for easy fingertip turning

Stock No.	A	B	206AFXW Set Contains:
FXW1*	1/2	1 1/2	•
FXWK3	13/32	3	•
FXWK4	13/32	4	•
FXWK6	13/32	6	•
FXWK8	13/32	8	•
FXWK11	13/32	11	•

*Not Knurled

Set shown includes storage tray

Wobble Plus

- Usable in wobble and rigid functionality
- Wobble function provides 16° additional accessibility
- Knurled shanks for easy fingertip turning

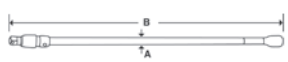
Stock No.	A	B	206AFXWP Set Contains:
FXWP1*	1/2	1 1/2	•
FXWP3	13/32	3	•
FXWP4	13/32	4	•
FXWP6	13/32	6	•
FXWP8	13/32	8	•
FXWP11	13/32	11	•

*Not Knurled

Set shown includes storage tray



203FXWKL



Locking Wobble Set

- Provides 16° of additional accessibility
- Quick release locking sleeve provides secure connection and easy socket removal
- Knurled release collar for easy one-hand operation, even with slippery hands

Stock No.	A	B	203FXWKL Set Contains:
FXWKL3	1/2	3	•
FXWKL6	1/2	6	•
FXWKL11	1/2	11	•

Set shown includes storage tray



FZ1

Connectors

FZ1 Connector

- 3/8" drive extension connector adds versatility to extensions, breaker bars, ratchets and crowfoot wrenches
- Connect one or more tools for a variety of ways to reach limited access fasteners
- Use in automotive, aircraft, marine, heavy truck, plumbing and manufacturing applications

FZ2 Connector Set

- Set of two FZ1

RATCHET/SOCKET ACCESSORIES

Adaptors

Stock No.	Industrial Stock No.	A	B	C
—	GFAT1E	3/8	1/4	1 1/4
TA3	GTA3	1/4	3/8	15/16
A2A	GAF2A	3/8	1/2	1 5/16
—	GSAF1F	1/2	3/8	1 13/16

206EAU Adaptor/Extension Set

- Includes GFAT1E and A2A adaptors; FU8A universal joint and FX1, FXK3 and FXK6extensions (6pc) in storage tray

1206GS Combination Drive Adaptor Set

- Includes 1/4" drive GFAT1E and TA3 adaptors, 3/8" drive A2A and GSAF1F adaptors and 1/2" drive GLA12B and GLAS1E adaptors (6pc) in storage tray



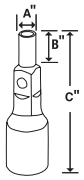
206EAU





1206GS

Magnetic Adaptors



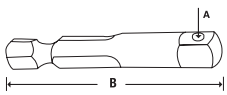
Stock No.	A	B	C
FXM112	5/16	9/32	1 25/32
FXM18	3/16	9/32	1 25/32



FXM18

Hex-To-Square Adaptors

• 1/4" hex size; 1" length of hex

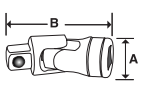


Stock No.	A	B
AB3042	Ball Detent	2
AB3044	Ball Detent	4
AB3046	Ball Detent	6



AB3046

Universal Joints



Stock No.	Industrial Stock No.	A	B
FUL8A	–	3/4	3
FU8A**	GFU8A	3/4	2 1/16
FU80B**	–	11/16	1 11/16
FUB8A*	–	3/4	2 5/16

*Swivel Universal Joint **ASME®/ANSI® B107.10



FUL8A

FUL8A Locking Pin

• Locking pin for better socket retention

103UFTS Combination Drive Universal Joint Set

• Includes 1/4" drive TMU8B, 3/8" drive FU8A and 1/2" drive S8
• Universal joints in storage tray (3pc)



FU8A 103UFTS

Non-marring Metric Socket Inserts

• Designed for use with Snap-on® 1/4" and 3/8" drive metric sockets
• Tough glass-reinforced nylon offers excellent strength yet will not damage soft metals, plated fasteners or powder-coated surfaces
• Large lip makes insert removal easy
• Set covers most popular metric sizes; inserts marked for easy identification
• Supplied on metal storage ring; avoid lost inserts
• Do not use socket inserts with impact tools

Stock No.	Socket Size	Fastener Size	Working Torque, in-lb	Set Contains: PSCM600
PSCM1208	12 mm	8 mm	80	•
PSCM1410	14 mm	10 mm	155	•
PSCM1612	16 mm	12 mm	240	•
PSCM1713	17 mm	13 mm	400	•
PSCM1915	19 mm	15 mm	450	•
PSCM2217	22 mm	17 mm	700	•



PSCM600

⚠WARNING

• Do not use chrome or industrial finish hand tools with impact drivers
• Read safety precautions on pages W1 to W4

FLANK DRIVE® SOCKETS



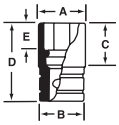
FM14



GFM9A



212FSMY



Shallow, mm

mm	6	12	12	A	B	C	D	E	Set Contains: 212FSMY 6	212FMY 12
6	FSM61	–	–	9.1	17.2	11.1	23.0	5.6		
7	FSM71	–	–	10.4	17.2	11.1	23.0	5.6		
8	FSM81	FM8	–	11.6	17.2	11.1	23.0	6.4	•	•
9	FSM91	FM9	GFM9A	13.1	17.2	11.0	23.0	7.1	•	•
10	FSM101	FM10	–	14.3	17.2	11.0	23.0	7.1	•	•
11	FSM111	FM11	–	15.4	17.2	11.0	23.0	7.1	•	•
12	FSM121	FM12	–	16.5	17.2	11.9	23.8	8.1	•	•
13	FSM131	FM13	–	18.0	17.2	12.6	24.6	8.1	•	•
14	FSM141	FM14	–	19.6	18.6	13.2	26.2	9.1	•	•
15	FSM151	FM15	–	20.3	19.4	13.7	27.0	9.1	•	•
16	FSM161	FM16	–	21.1	20.2	15.0	27.8	10.4	•	•
17	FSM171	FM17	–	22.7	21.8	15.0	28.6	10.4	•	•
18	FSM181	FM18	–	24.3	23.2	15.7	28.6	10.9	•	•
19	FSM191	FM19	–	25.1	24.0	16.3	30.2	11.9	•	•
20	FSM201	FM20	–	26.3	25.3	16.6	30.9	12.4		
21	FSM211	FM21	–	27.4	26.4	17.4	31.8	12.2		
22	FSM221	FM22	–	28.3	27.2	17.4	32.5	13.2		
23	FSM231	FM23	–	29.9	28.8	18.2	33.8	13.2		
24	FSM241	FM24	–	31.5	30.5	19.0	35.0	14.4		
25	FSM251	–	–	32.3	31.3	19.8	35.3	14.5		
26	FSM261	FM26	–	33.8	32.9	20.6	37.0	14.3		

Sets shown include magnetic storage tray



F201



GF201

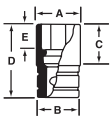


211FSY

Shallow, inches

	6	12	6	12	A	B	C	D	E	Set Contains: 214FSY 6	211FSY 6	211FY 12
1/4	FS081	F081	GFS081	GF081	13/32	11/16	7/16	29/32	7/32	•	•	•
5/16	FS101	F101	GFS101	GF101	15/32	11/16	7/16	29/32	1/4	•	•	•
11/32	FS111	F111	–	GF111	1/2	11/16	7/16	29/32	9/32	•		
3/8	FS121	F121	GFS121	GF121	9/16	11/16	7/16	29/32	9/32	•	•	•
7/16	FS141	F141	GFS141	GF141	5/8	11/16	7/16	29/32	9/32	•	•	•
1/2	FS161	F161	GFS161	GF161	23/32	11/16	1/2	15/16	5/16	•	•	•
9/16	FS181	F181	GFS181	GF181	25/32	3/4	1/2	1 1/32	3/8	•	•	•
19/32	–	–	–	GF191	13/16	25/32	9/16	1 1/16	3/8			
5/8	FS201	F201	GFS201	GF201	27/32	25/32	19/32	1 3/32	1/2	•	•	•
11/16	FS221	F221	GFS221	GF221	15/16	7/8	5/8	1 1/8	17/32	•	•	•
3/4	FS241	F241	GFS241	GF241	1	15/16	11/16	1 3/16	15/32	•	•	•
13/16	FS261	F261	GFS261	GF261	1 1/16	1	11/16	1 7/32	1/2	•	•	•
7/8	FS281	F281	GFS281	GF281	1 5/32	1 1/32	23/32	1 9/32	9/16	•	•	•
15/16	FS301	F301	GFS301	GF301	1 1/4	1 3/16	25/32	1 11/32	9/16	•		
1	FS321	F321	GFS321	GF321	1 5/16	1 1/4	13/16	1 3/8	19/32	•		

Sets shown include magnetic storage tray





FSMS14 212FSMSY

Semi Deep, mm

Set Contains: 212FSMSY

mm	6	12	A	B	C	D	E	6
8	FSMS8	FMS8	11.4	17.2	29.3	41.3	7.1	•
9	FSMS9	FMS9	12.8	17.2	29.3	41.3	7.1	•
10	FSMS10	FMS10	14.3	17.2	29.3	41.3	7.9	•
11	FSMS11	–	15.7	17.2	29.3	41.3	9.7	•
12	FSMS12	FMS12	16.5	17.2	29.3	41.3	9.9	•
13	FSMS13	FMS13	17.9	17.2	23.2	41.3	10.7	•
14	FSMS14	FMS14	19.6	18.6	23.2	41.3	10.7	•
15	FSMS15	FMS15	20.3	19.4	23.2	41.3	10.7	•
16	FSMS16	FMS16	21.1	20.2	23	41.3	10.7	•
17	FSMS17	FMS17	22.6	21.8	23	41.3	11.2	•
18	FSMS18	FMS18	24.2	23.2	23.0	41.3	11.2	•
19	FSMS19	–	25.1	24.0	22.7	41.3	11.7	•

Sets shown include magnetic storage tray



FSS201 211FSSY

Semi Deep, inches, 6pt

Set Contains: 211FSSY

	6	A	B	C	D	E	6
1/4	FSS081	13/32	11/16	1 1/8	1 5/8	7/32	•
5/16	FSS101	15/32	11/16	1 1/8	1 5/8	1/4	•
3/8	FSS121	9/16	11/16	1 1/8	1 5/8	9/32	•
7/16	FSS141	5/8	11/16	1 1/8	1 5/8	3/8	•
1/2	FSS161	23/32	11/16	29/32	1 5/8	13/32	•
9/16	FSS181	25/32	3/4	29/32	1 5/8	13/32	•
5/8	FSS201	27/32	13/16	29/32	1 5/8	13/32	•
11/16	FSS221	15/16	29/32	29/32	1 5/8	7/16	•
3/4	FSS241	1	31/32	29/32	1 5/8	7/16	•
13/16	FSS261	1 1/16	1 1/32	29/32	1 5/8	15/32	•
7/8	FSS281	1 5/32	1 1/8	29/32	1 5/8	1/2	•

Sets shown include magnetic storage tray



FDS201

Semi Deep, inches, 12pt

	12	A	B	C	D	E
1/4	FDS081	13/32	11/16	1 1/8	1 5/8	7/32
9/32	FDS091	7/16	11/16	3/4	1 1/4	7/32
5/16	FDS101	15/32	11/16	3/4	1 1/4	1/4
3/8	FDS121	9/16	11/16	1	1 1/2	9/32
7/16	FDS141	5/8	11/16	29/32	1 1/2	3/8
1/2	FDS161	23/32	11/16	29/32	1 5/8	13/32
9/16	FDS181	25/32	3/4	7/8	1 5/8	13/32
5/8	FDS201	27/32	13/16	29/32	1 5/8	15/32
11/16	FDS221	15/16	29/32	29/32	1 5/8	1/2
3/4	FDS241	1	31/32	1 1/16	1 5/8	19/32
25/32	FDS251	1 1/16	1 1/32	1 1/16	1 5/8	5/8
13/16	FDS261	1 1/16	1 1/32	1 1/16	1 5/8	21/32
15/16	FDS301	1 1/4	1 7/32	1 3/16	1 3/4	23/32
1	FDS321	1 5/16	1 9/32	1 1/4	1 3/4	3/4



SFSM9 SFM19 212SFSMY

Deep, mm

Set Contains: 212SFSMY 212SFMY

mm	6	12	A	B	C	D	E	6	12
6	SFSM6	SFM6	9.1	17.2	42.0	54.0	5.6		
7	SFSM7	SFM7	10.5	17.2	42.0	54.0	5.6		
8	SFSM8	SFM8	11.4	17.7	42.0	54.0	7.1	•	•
9	SFSM9	SFM9	12.8	17.2	42.0	54.0	7.1	•	•
10	SFSM10	SFM10	14.3	17.2	42.0	54.0	7.9	•	•
11	SFSM11	SFM11	15.7	17.2	42.0	54.0	9.7	•	•
12	SFSM12	SFM12	16.5	17.2	42.0	54.0	9.9	•	•
13	SFSM13	SFM13	18.0	17.2	42.0	54.0	10.7	•	•
14	SFSM14	SFM14	19.6	18.6	43.3	60.3	10.7	•	•
15	SFSM15	SFM15	20.3	19.4	43.3	60.3	10.7	•	•
16	SFSM16	SFM16	21.1	20.0	43.3	60.3	10.7	•	•
17	SFSM17	SFM17	22.7	21.8	43.6	66.7	11.2	•	•
18	SFSM18	SFM18	24.3	23.2	49.0	66.7	11.2	•	•
19	SFSM19	SFM19	25.1	24.0	49.0	66.7	15.5	•	•
20	SFSM20	–	26.3	25.3	48.1	66.7	12.2		
21	SFSM21	–	27.5	26.4	47.6	66.7	12.4		

Sets shown include magnetic storage tray



222SFFS



224SFFSM

Shallow/Deep Combination Sets

222SFFS 6-Point Shallow/Deep Set
FS081–FS281 shallow sockets (except FS111) plus SFS081–SFS281 deep sockets (except SFS111) (1/4"–7/8") (22pc). Includes magnetic storage trays.

224SFFSM Metric 6-Point Shallow/Deep Set
FSM81–FSM191 shallow sockets plus SFSM8–SFSM19 deep sockets (24pc) (8 mm–19 mm). Includes magnetic storage trays.

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

FLANK DRIVE® SOCKETS



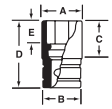
SFS201



GSF181



211SFSY



Deep, inches

	6	12	6	12	A	B	C	D	E	Set Contains: 211SFSY 6	214SFY 12	211SFY 12
1/4	SFS081	SF081	GSFS081	GSF081	15/32	11/16	1 11/16	2 1/8	1/4	•	•	•
9/32	–	SF091	–	–	7/16	11/16	1 5/8	2 1/8	7/32			
5/16	SFS101	SF101	GSFS101	GSF101	15/32	11/16	1 11/16	2 1/8	7/32	•	•	•
11/32	SFS111	SF111	–	–	1/2	11/16	1 11/16	2 1/8	9/32			
3/8	SFS121	SF121	GSFS121	GSF121	9/16	11/16	1 11/16	2 1/8	5/16	•	•	•
7/16	SFS141	SF141	GSFS141	GSF141	5/8	11/16	1 11/16	2 1/8	3/8	•	•	•
1/2	SFS161	SF161	GSFS161	GSF161	23/32	11/16	1 11/16	2 1/8	7/16	•	•	•
9/16	SFS181	SF181	GSFS181	GSF181	25/32	23/32	1 29/32	2 3/8	7/16	•	•	•
19/32	–	SF191	–	–	13/16	25/32	1 29/32	2 3/8	7/16		•	
5/8	SFS201	SF201	GSFS201	GSF201	27/32	13/16	1 29/32	2 3/8	15/32	•	•	•
11/16	SFS221	SF221	GSFS221	GSF221	15/16	7/8	2 3/16	2 5/8	1/2	•	•	•
3/4	SFS241	SF241	GSFS241	GSF241	1	1	2 3/16	2 5/8	5/8	•	•	•
25/32	–	SF251	–	–	1 1/16	1 1/32	1 3/4	2 5/8	5/8			
13/16	SFS261	SF261	GSFS261	GSF261	1 1/16	1	2 1/4	2 3/4	5/8	•	•	•
7/8	SFS281	SF281	GSFS281	GSF281	1 5/32	1 1/8	2 1/4	2 3/4	23/32	•	•	•
15/16	SFS301	SF301	GSFS301	GSF301	1 1/4	1 3/16	2 1/4	2 3/4	23/32		•	
1	SFS321	SF321	GSFS321	GSF321	1 5/16	1 1/4	2 1/4	2 3/4	13/16		•	

ASME®/ANSI® B107.1

Sets shown include magnetic storage tray

FLANK DRIVE LOW-PROFILE SOCKETS



RFM12



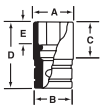
210RAFM

Low-Profile, mm

mm	6	12	A	B	C	D	E	Set Contains: 210RAFSM 6	210RAFM 12	209RFSM 6
8	RFSM8	RFM8	11.6	16.5	—	16.8	3.8	•	•	•
9	RFSM9	RFM9	13.0	16.5	—	17.0	4.1			
10	RFSM10	RFM10	14.3	16.5	—	17.3	4.3	•	•	•
11	RFSM11	RFM11	16.0	16.5	—	17.7	4.8			
12	RFSM12	RFM12	17.2	16.5	9.8	18.1	5.1	•	•	•
13	RFSM13	RFM13	18.0	17.2	10.3	18.5	5.6	•	•	•
14	RFSM14	RFM14	19.6	18.8	10.5	18.7	6.1	•	•	•
15	RFSM15	RFM15	20.4	19.6	10.8	19.1	6.6	•	•	•
16	RFSM16	RFM16	21.1	20.4	11.4	19.6	7.1	•	•	•
17	RFSM17	RFM17	22.8	22.0	11.9	20.1	7.4	•	•	•
18	RFSM18	RFM18	24.3	23.6	12.5	20.8	7.9	•	•	•
19	RFSM19	RFM19	25.1	16.5	13.3	21.5	8.2			
	RAF80	Low-Profile Ratchet						•	•	

Sets shown include storage tray

FLANK DRIVE® LOW-PROFILE SOCKETS



Low-Profile, inches



RF181



210RARF

Set Contains:							210RARF	209RF
	12	A	B	C	D	E	12	12
1/4	RF081	.46	.65	—	.66	.11	•	•
5/16	RF101	.46	.65	—	.66	.15	•	•
11/32	RF111	.49	.65	—	.68	.17		
3/8	RF121	.56	.65	—	.69	.18	•	•
7/16	RF141	.61	.65	—	.70	.19	•	•
1/2	RF161	.71	.69	.39	.72	.21	•	•
9/16	RF181	.77	.74	.42	.75	.24	•	•
5/8	RF201	.83	.80	.47	.79	.28	•	•
11/16	RF221	.93	.90	.49	.81	.30	•	•
3/4	RF241	.99	.96	.50	.82	.31	•	•
	RAF80	Low-Profile Ratchet					•	

Sets shown include storage tray

FLANK DRIVE UNIVERSAL SOCKETS



Shallow, mm



FUM18A



206FSUMA

Set Contains:							206FSUMA	209FUMY
mm	6	12	A	B	D	E	6	12
8	FSUM8A	–	11.9	17.2	43.1	6.4		
10	FSUM10A	FUM10A	14.0	18.1	43.5	6.4	•	•
11	FSUM11A	–	15.3	18.1	43.5	7.1		
12	FSUM12A	FUM12A	16.8	18.1	45.5	7.9	•	•
13	FSUM13A	FUM13A	18.1	18.1	45.5	7.9	•	•
14	FSUM14A	FUM14A	18.9	18.1	47.9	8.9	•	•
15	FSUM15A	FUM15A	20.5	18.1	47.9	8.9	•	•
16	FSUM16A	FUM16A	21.3	18.1	47.9	10.2		•
17	FSUM17A	FUM17A	22.9	18.9	50.7	10.4	•	•
18	FSUM18A	FUM18A	24.5	18.9	50.7	10.7		•
19	FSUM19A	FUM19A	25.3	18.9	52.5	11.7		•
22	FSUM22A	–	28.4	18.9	53.9	13.0		

Sets shown include storage tray

Shallow, inches



FU16B



206AFSA

Set Contains:							206AFSA	206FUA
	6	12	A	B	D	E	6	12
5/16	–	FU10B	15/32	11/16	1 5/8	1/4		
3/8	FS12B	FU12B	17/32	11/16	1 5/8	1/4		
7/16	FS14B	FU14B	5/8	11/16	1 5/8	9/32	•	•
1/2	FS16B	FU16B	23/32	11/16	1 11/16	9/32	•	•
9/16	FS18B	FU18B	25/32	11/16	1 23/32	11/32	•	•
5/8	FS20B	FU20B	27/32	11/16	1 25/32	3/8	•	•
11/16	FS22B	FU22B	15/16	3/4	2	3/8	•	•
3/4	FS24B	FU24B	1	3/4	2 1/16	7/16	•	•
13/16	–	FU26B	1 3/32	3/4	2 3/32	15/32		
7/8	–	FU28B	1 5/32	3/4	2 3/32	1/2		
15/16	–	FU30A	1 1/4	3/4	2 9/32	9/16		
1	–	FU32A	1 5/16	3/4	2 9/32	9/16		

⚠WARNING

- Do not use "cheater bars" on handles
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

FLANK DRIVE® UNIVERSAL SOCKETS



SFSUM14



206SFSUM



Deep, mm

Set Contains: 206SFSUM

mm	6	A	B	D	E	6
8	SFSUM8	11.9	17.2	63.6	6.9	
10	SFSUM10	14.4	18.1	63.6	7.4	•
11	SFSUM11	15.6	18.1	63.6	7.6	
12	SFSUM12	17.1	18.1	63.6	8.1	•
13	SFSUM13	18.1	18.1	63.6	8.4	•
14	SFSUM14	18.9	18.1	63.6	9.1	•
15	SFSUM15	20.5	18.1	63.6	9.7	•
16	SFSUM16	21.3	18.1	63.6	10.4	
17	SFSUM17	22.9	18.9	63.6	10.9	•
18	SFSUM18	24.5	18.9	63.6	10.9	
19	SFSUM19	25.3	18.9	63.6	11.9	

Set shown includes storage tray



FDSU22



207FSU

Deep, inches

Set Contains: 207FSU

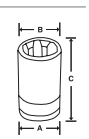
11	6	12	A	B	D	E	6
3/8	FSU12	FDSU12	9/16	11/16	2 13/32	3/8	•
7/16	FSU14	FDSU14	5/8	11/16	2 13/32	7/16	•
1/2	FSU16	FDSU16	23/32	11/16	2 13/32	15/32	•
9/16	FSU18	FDSU18	25/32	11/16	2 13/32	17/32	•
5/8	FSU20	FDSU20	27/32	11/16	2 13/32	9/16	•
11/16	FSU22	FDSU22	15/16	3/4	2 15/32	9/16	•
3/4	FSU24	FDSU24	1	3/4	2 15/32	9/16	•

Set shown includes storage tray

TORX® SOCKETS



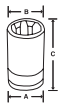
207RFLE



Low-Profile Inverted *TORX*

Set Contains: 207RFLE

#	Stock No.	A	B	C	
8	RFLE80	17.2	11.4	17.3	•
10	RFLE100	17.2	12.8	20.6	•
11	RFLE110	17.2	14.3	21.1	•
12	RFLE120	17.2	15.6	21.7	•
14	RFLE140	17.2	16.9	23.0	•
16	RFLE160	17.9	18.7	24.3	•
18	RFLE180	19.5	20.3	25.4	•





FLE160A

213AFLEY

TORX/Shallow

#	Stock No.	A	B	C
E8	FLE80A	15/32	11/16	1 5/32
E10	FLE100A	1/2	11/16	1 5/32
E11	FLE110A	9/16	11/16	1 5/32
E12	FLE120A	9/16	11/16	1 5/32
E14	FLE140A	5/8	11/16	1 5/32
E16	FLE160A	3/4	11/16	1 1/4
E18	FLE180A	13/16	25/32	1 5/16

213AFLEY Combination Drive Shallow *TORX* Set
Includes 1/4" drive TLE40A–TLE100A, 3/8" drive FLE110A to FLE140A and 1/2" drive SLE160A–SLE240 (13pc) (E4–E24).

210AFLEY Combination Drive Shallow *TORX* Set
1/4" drive TLE40A–TLE80A plus 3/8" drive FLE100A–FLE180A (except FLE110A) (10pc) (E4–E18).



FLCE120

Shallow *TORX* with Countersink

#	Stock No.	A	B	C
E12	FLCE120	19/32	11/16	1 5/32
E14	FLCE140	11/16	5/8	1 5/32
E16	FLCE160	23/32	3/4	1 1/4
E18	FLCE180	25/32	13/16	1 5/16

FLCE120 *TORX* Socket with Countersink
- Use to remove/install fasteners that hold window regulators in place for BMW® 5 and 7 Series

FLCE140 *TORX* Socket with Countersink
- For connecting rod cap bolts on various Toyota® and Scion® vehicles
- The FLCE140 is similar to *Toyota* special tool number 09013-1C551

FLCE160 *TORX* Socket with Countersink
- For cam sprocket on 2.5L FB engine on 2011 and current Subaru Forester® vehicles
- Camshaft timing gear assembly on various 2012 *Toyota* vehicles
- Similar to *Toyota* special tool number 09013-1C560

FLCE180 *TORX* Socket with Countersink
- Spider gear in the rear differential on a 2010–current Chevrolet® Camaro® vehicles



FLEP180

TORX Plus®

#	Stock No.	A	B	C
EP18	FLEP180	3/4	13/16	1 5/16

FLEP180 *TORX Plus* Socket
Use to remove seat hold down nuts on 1999 and later GM® full-size pickup trucks. 3/8" square drive.



GFLEPL180



FLEPL140

TORX Plus w/ Countersink

Size	Stock No.	Industrial Stock No.	A	B	C
8EP	FLEPL80	GFLEPL80	7/16	11/16	1 5/32
10EP	FLEPL100	GFLEPL100	1/2	11/16	1 5/32
12EP	FLEPL120	GFLEPL120	19/32	11/16	1 5/32
14EP	FLEPL140	GFLEPL140	5/8	11/16	1 5/32
16EP	FLEPL160	GFLEPL160	3/4	23/32	1 1/4
18EP	FLEPL180	GFLEPL180	13/16	25/32	1 5/16

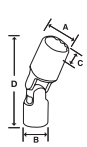


FLEL80

Long *TORX* Socket

#	Stock No.	A	B	C
E8	FLEL80	19/32	7/16	5

Application: Fits Delco® alternator Model CS130 found on both *GM* passenger and light trucks.





FSE180

TORX/Universal

#	Stock No.	A	B	C	D
E8	FSE80	3/8	11/16	9/32	1 5/8
E10	FSE100	15/32	11/16	5/16	1 11/16
E12	FSE120	9/16	11/16	11/32	1 25/32
E14	FSE140	5/8	11/16	13/32	1 7/8
E16	FSE160	23/32	3/4	15/32	2 1/16
E18	FSE180	13/16	3/4	1/2	2 1/16
E20	FSE200	15/16	3/4	9/16	2 1/8

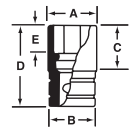
WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

SPLINE SOCKETS

Snap-on® spline wrenching tools have been developed to service high tensile strength spline nuts and bolts widely used on both military and commercial aircraft. Precise, radial spline teeth engage the fastener over a wider area to minimize stress, and allow application of high torque to reduce risk of damage to the fastener or to the tool.

Chrome tools comply with AS954, Military Spec. MS-33787 and MIL-W-8982. (Industrial finish tools comply with performance specifications and differ only in finish.) The unique spline wrenching configuration can also be used on ordinary six- and 12-point fasteners with an advantage similar to the *Snap-on* Flank Drive® wrenching system.





209TFES

Shallow, inches



FES200B

		Stock No.	A	B	C	D	E
#12	3/8	FES120B	17/32	21/32	15/32	1 1/16	11/32
#14	7/16	FES140B	5/8	11/16	1/2	1 3/32	7/16
#16	1/2	FES160B	23/32	23/32	—	1 3/32	—
#18	9/16	FES180B	13/16	13/16	—	1 3/32	15/32
#20	5/8	FES200B	7/8	7/8	—	2 3/8	9/16

209TFES Shallow Spline Socket Set

- Includes 1/4" drive TES7B–TES10B and 3/8" drive FES120B–FES200B Shallow Spline Sockets (9pc) (#7–#20, 7/32"–5/8") in magnetic socket tray

Deep, mm



FELM10A

	mm	Stock No.	A	B	C	D	E
#10	10	FELM10A	14.5	16.8	40.4	54.0	10.0



207TFEL

Deep, inches



FEL200B

		Stock No.	A	B	C	D	E
#12	3/8	FEL120B	17/32	21/32	1 17/32	2 1/8	11/32
#14	7/16	FEL140B	5/8	11/16	1 17/32	2 1/8	7/16
#18	9/16	FEL180B	13/16	13/16	—	2 3/8	15/32
#20	5/8	FEL200B	7/8	7/8	—	2 3/8	9/16

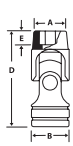
207TFEL Deep Spline Socket Set

- Includes 1/4" drive TEL7B–TEL10B and 3/8" drive FEL120B–FEL200B Deep Spline Sockets (7pc) (#7–#20, 7/32"–5/8") in magnetic socket tray

Shallow Universal, inches



FESU160



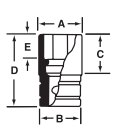
		Stock No.	A	B	D	E
#12	3/8	FESU120	35/64	3/4	1 31/32	23/64
#14	7/16	FESU140	5/8	3/4	2 3/64	7/16
#16	1/2	FESU160	23/32	3/4	2 5/64	29/64
#18	9/16	FESU180	53/64	3/4	2 1/8	15/32

SAE Spec. MA1547A

Impact, inches



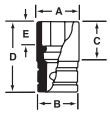
IMFES14



		Stock No.	A	B	C	D	E
#14	7/16	IMFES14	3/4	3/4	5/8	1 7/64	7/16

Double Square, inches

	Stock No.	A	B	C	D	E
1/4	F308	1/2	21/32	3/8	27/32	7/32
5/16	F310	9/16	21/32	3/8	27/32	1/4
3/8	F312	21/32	11/16	15/32	15/16	9/32
7/16	F314	25/32	11/16	17/32	1	5/16
1/2	F316	7/8	25/32	17/32	1	5/16
9/16	F318	1	29/32	19/32	1 1/8	7/16
5/8	F320	1 1/16	31/32	19/32	1 1/8	7/16





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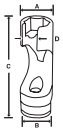




210FRXM



207FRX

Flank Drive® Flare Nut, mm

Set Contains: 210FRXM

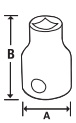
mm	Stock No.	A	B	C	D	
10	FRXM10	16.9	18.3	53.3	7.2	•
11	FRXM11	18.1	18.7	53.3	8.3	•
12	FRXM12	19.3	18.3	53.3	8.8	•
13	FRXM13	20.4	19.1	62.5	9.4	•
14	FRXM14	22.0	20.5	62.5	10.4	•
15	FRXM15	22.6	21.0	71.6	11.2	•
16	FRXM16	23.5	21.9	71.6	11.7	•
17	FRXM17	25.1	23.5	78.0	12.7	•
18	FRXM18	25.9	24.3	83.8	13.5	•
19	FRXM19	26.7	25.1	89.9	14.2	•

Flank Drive/Flare Nut, inches

Set Contains: 207FRX

	Stock No.	A	B	C	D	
3/8	FRX121	5/8	3/4	2 3/32	9/32	•
7/16	FRX141	23/32	3/4	2 3/32	11/32	•
1/2	FRX161	13/16	3/4	2 1/8	3/8	•
9/16	FRX181	7/8	13/16	2 15/32	13/32	•
5/8	FRX201	15/16	7/8	2 27/32	15/32	•
11/16	FRX221	1	15/16	3 7/32	1/2	•
3/4	FRX241	1 1/16	1	3 11/32	9/16	•

Set shown includes magnetic storage tray





PMM406



PMP406A

Pipe Plug, mm

mm	Stock No.	A	B	Stock No.	A	B
6	PMM406A	16.4	31.0	PMP406A	17.2	25.8
8	PMM408A	17.2	31.0	–	17.2	31.0
10	PMM410A	17.2	28.4	PMP410A	18.8	25.4

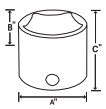


211PPPMY

Pipe Plug, inches

	Stock No.	B	Stock No.	B
3/16	PPM406A	1 1/8	–	1
1/4	PPM408A	1 1/8	PP408A	1
9/32	PPM409A	1 1/8	PP409A	1
5/16	PPM410A	1 1/8	PP410A	1
11/32	PPM411A	1 1/8	PP411A	1
3/8	PPM412A	1 1/8	PP412A	1

211PPPMY Internal/External Set
PPM406–PPM412 external sockets plus PP408–PP412 internal sockets (11pc) (3/16"–3/8").



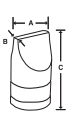


B2190

Flank Drive/Pentagon (5-Point)

A specialty socket for servicing recessed five-point nuts found on tamper-resistant Buffalo covers used by gas, electric and some water companies to protect shutoff gates.

Stock No.	A	B	C
B2190	1 1/8	1/2	1 1/16





GF22

Drag Link

Applications include use on the engine oil fill cap on Kawasaki® UN1500, UN1600 and UN2000 motorcycles.

Stock No.	A	B	C
GF22	11/16	7/64	1 1/4

⚠WARNING

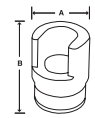
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

SPECIAL APPLICATION SOCKETS

Weatherhead®



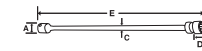
WH290



Size, inches	Stock No.	A	B
3/8	FD120	11/16	1 1/4
7/16	FD140	13/16	1 1/4
15/32	FD150	7/8	1 1/4
1/2	FD160	15/16	1 1/4
17/32	FD170	1	1 1/4
9/16	FD180	1 1/16	1 1/4
19/32	FD190	1 1/16	1 1/4
21/32	FD210	1 3/16	1 3/8
11/16	FD220	1 3/16	1 3/8
3/4	FD240	1 1/4	1 3/8
25/32	FD250	1 1/4	1 3/8



206PFSXM



Swivel Ball Extension, mm

Set Contains: 206PFSXM

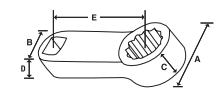
mm	6	12	A	B	C	D	E	6
10	PFSXM910B	–	19.1	14.4	9.5	5.6	243.4	•
11	PFSXM911B	–	19.1	15.6	9.5	6.3	243.8	•
12	PFSXM912B	–	19.1	16.9	9.5	6.8	244.6	•
13	PFSXM913B	–	19.1	18.4	12.4	7.6	245.9	•
14	PFSXM914B	–	19.1	19.8	12.4	9.1	247.9	•
15	PFSXM915B	–	19.1	20.4	12.4	9.1	247.4	•
13	–	PFLXM13B	19.1	18.4	12.4	7.6	245.9	

PFSXM910B and PFSXM912B

Applications: Toyota® and Lexus® vehicles transmission pan bolts plus several underdash applications. Volvo® vehicle: removing intake faster and easier.

TORQUE ADAPTORS

- Manufactured from special alloy steel
- Precision forged and heat treated for optimum strength and durability
- Double hex (12-point) configuration allows socket to engage single hex fastener every 30° rather than every 60°, allowing for better access in restricted areas
- Design features radius edges which will resist damage/nicks
- Center-to-center length on adaptor for easy torque calculations
- Larger sizes feature thicker construction for strength





208FRDHM



208FRDH

Standard, mm

Set Contains: 208FRDHM

Working Torque, in-lb	mm	6	A	B	C	D	E	12
420	10	FRDHM10	17.1	18.8	7.8	11.0	50.8	•
690	12	FRDHM12	18.8	18.8	8.2	11.0	50.8	•
720	13	FRDHM13	21.0	18.8	7.8	11.0	50.8	•
1050	14	FRDHM14	21.0	18.8	9.4	11.0	50.8	•
1,200	15	FRDHM15	25.1	18.8	7.8	11.0	50.8	•
1,400	16	FRDHM16	22.6	18.8	11.0	11.0	50.8	•
1,400	17	FRDHM17	25.1	18.8	12.4	11.0	50.8	
1,400	18	FRDHM18	22.4	18.8	13.3	11.0	50.8	•
1,400	19	FRDHM19	27.4	18.8	13.3	11.0	50.8	•

Standard, inches

Set Contains: 208FRDH

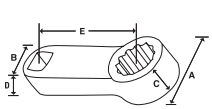
Working Torque, in-lb		12	A	B	C	D	E	12
190	5/16	FRDH101	0.475	.750	1/4	7/16	2	•
420	3/8	FRDH121	0.570	.750	5/16	7/16	2	•
500	7/16	FRDH141	0.655	.750	11/32	7/16	2	•
710	1/2	FRDH161	0.740	.750	11/32	7/16	2	•
1,050	9/16	FRDH181	0.825	.750	3/8	7/16	2	•
1,400	5/8	FRDH201	0.890	.750	7/16	7/16	2	•
1,400	11/16	FRDH221	0.989	.750	1/2	7/16	2	•
1,400	3/4	FRDH241	1.080	.750	1/2	7/16	2	•
2,706	15/16	FRDH301	1.374	.750	7/16	7/16	2	

Conventional Hex

SPLINE TORQUE ADAPTORS

Snap-on® spline wrenching tools have been developed to service high tensile strength spline nuts and bolts widely used on both military and commercial aircraft. Precise, radial spline teeth engage the fastener teeth over a wider area to minimize stress, and allow application of high torque to reduce risk of damage to the fastener or to the tool.

Chrome tools comply with Military Spec. MS-33787 and MIL-W-89823. The unique spline wrenching configuration can also be used on ordinary six- and 12-point fasteners with an advantage similar to the *Snap-on* Flank Drive® wrenching system.



Low Profile, inches

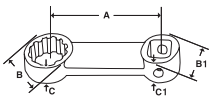
- Saves time by avoiding clearance issues when working on propeller assemblies.
- Works on Lycoming® and Continental® engines used in Piper®, Cessna® and Mooney® aircraft.

	Stock No.	Working Torque, in-lb	A	B	C	D	E
3/4	FRESL24	465 in-lb	1 5/64	3/4	3/16	7/16	2
7/8	FRESL28	605 in-lb	1 1/4	3/4	3/16	7/16	2



FRESL24

SPLINE TORQUE ADAPTORS



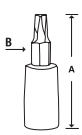
Spline, inches

#		Stock No.	Working Torque, in-lb	A	B-B1	C-C1
#7	7/32	**FRES7**	140	2	.375–.750	1/4–7/16
#8	1/4	**FRES8**	195	2	.400–.750	1/4–7/16
#9	9/32	**FRES9**	220	2	.445–.750	1/4–7/16
#10	5/16	**FRES10**	250	2	.490–.750	1/4–7/16
#12	3/8	**FRES12**	515	2	.590–.750	5/16–7/16
#14	7/16	**FRES14**	875	2	.680–.750	5/16–7/16
#16	1/2	**FRES16**	1,575	2	.745–.750	5/16–7/16
#18	9/16	**FRES18**	1,750	2	.825–.750	3/8–7/16
#20	5/8	**FRES20**	1,750	2	.895–.750	3/8–7/16
#22	11/16	**FRES22**	1,750	2	.997–.750	1/2–7/16
#24	3/4	**FRES24**	1,750	2	1.08–.750	9/16–7/16



FRES10

TORX® BIT SOCKETS





GFTX45E



207EFTXY

TORX/Standard

Set Contains: 207EFTXY

#	Stock No.	Stock No.	A	B	
T27	**FTX27E**	**GFTX27E**	1 3/4	**FTX27E2**	•
T30	**FTX30E**	**GFTX30E**	1 3/4	**FTX30E2**	•
T40	**FTX40E**	**GFTX40E**	1 3/4	**FTX40E2**	•
T45	**FTX45E**	**GFTX45E**	2 1/16	**FTX45E2**	•
T50	**FTX50E**	**GFTX50E**	2 1/16	**FTX50E2**	•
T55	**FTX55E**	**GFTX55E**	2 1/32	**FTX55E2**	•
T60	**FTX60E**	–	2 5/16	**FTX60E2**	

Sets shown include storage tray

207EFTXY and 212EFTXY sets also include the FTX47SE GM® Style *TORX* Socket Driver.

212EFTXY Combination *TORX* Set Includes 1/4" drive TTX8E–TTX25E *TORX* Drivers plus 3/8" drive FTX27E–FTX55E *TORX* Drivers and FTX47E *GM* style Driver (12pcs) (T8–T55 plus *GM* style T47) in storage tray.



FTXL40E

TORX/Long

#	Stock No.	A	B
T27	**FTXL27E**	4 1/4	**FTXL27E2**
T30	**FTXL30E**	4 1/4	**FTXL30E2**
T40	**FTXL40E**	4 1/4	**FTXL40E2**
T45	**FTXL45E**	4 1/4	**FTXL45E2**
T50	**FTXL50E**	4 1/4	**FTXL50E2**

210EFTXL Combination Long *TORX* Set
210EFTXY Combination Long *TORX* Set includes 1/4" drive TTXL8E–TTX25LE *TORX* Drivers plus 3/8" drive FTXL27E–FTX55LE *TORX* Drivers (10pcs) (T8–T55) in storage tray.



207EFTXYSE

TORX/Stubby

Set Contains: 207EFTXYSE

#	Stock No.	A	B	
T27	**FTX27SE**	1 13/32	**FTX27SE2**	•
T30	**FTX30SE**	1 13/32	**FTX30SE2**	•
T40	**FTX40SE**	1 13/32	**FTX40SE2**	•
T45	**FTX45SE**	1 13/32	**FTX45SE2**	•
T47	**FTX47SE**	1 13/32	**FTX47SE2**	•
T50	**FTX50SE**	1 13/32	**FTX50SE2**	•
T55	**FTX55SE**	1 7/16	**FTX55SE2**	•

Set shown includes magnetic storage tray

207EFTXYSE Applications:
BMW® under dash and sensors in engine compartment. Porsche® 911® and Cayenne® ignition coil bolts. Honda® airbag control module inside passenger compartment of dashboard. Cadillac® water pump and oil drain plugs. Various applications on motorcycles.



FTXB40E

TORX/Heavy Duty Removal

#	Stock No.	A	B
T27	**FTXB27E**	1 13/16	**FTXB27E2**
T30	**FTXB30E**	1 13/16	**FTXB30E2**
T40	**FTXB40E**	1 13/16	**FTXB40E2**
T45	**FTXB45E**	2 1/16	**FTXB45E2**
T50	**FTXB50E**	2 1/16	**FTXB50E2**
T55	**FTXB55E**	2 1/64	**FTXB55E2**

Set shown includes magnetic storage tray

209EFTXBY Heavy Duty Removal *TORX* Set
Includes 1/4" drive TTXB15E–TXB25E *TORX* Drivers plus 3/8"drive FTXB27E–FTXB55E *TORX* Drivers (9pcs) (T15– T55) in magnetic storage tray.

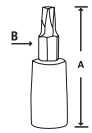
⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

TORX® BIT SOCKETS

TORX/Tamper Resistant





FTXR50E

#	Stock No.	A	B
T27	**FTXR27E**	1 3/4	**FTXR27E2**
T30	**FTXR30E**	1 3/4	**FTXR30E2**
T40	**FTXR40E**	1 3/4	**FTXR40E2**
T45	**FTXR45E**	2 1/16	**FTXR45E2**
T50	**FTXR50E**	2 1/16	**FTXR50E2**

Set shown includes magnetic storage tray

210EFTXRY Tamper-Resistant Combination *TORX* Set Includes 1/4" drive TTXR8E–TTXR25E *TORX* Drivers plus 3/8" drive FTXR27E–FTXR50E *TORX* Drivers (10 pcs) (T8–T50) in magnetic storage tray.



211EFTXRTPY

TORX Plus®/Tamper Resistant

Five-lobe configuration. Two-piece pinless design holds bit securely in socket while facilitating quick bit replacement. Cold formed socket delivers a strong, durable tool. Chrome plating resists corrosion and cleans easily.

#	Stock No.	A	B
27IPR	**FTXR27TPE**	1 3/4	**FTXR27TPE2**
30IPR	**FTXR30TPE**	1 3/4	**FTXR30TPE2**
40IPR	**FTXR40TPE**	1 3/4	**FTXR40TPE2**
45IPR	**FTXR45TPE**	2 1/32	**FTXR45TPE2**
50IPR	**FTXR50TPE**	2 5/32	**FTXR50TPE2**
55IPR	**FTXR55TPE**	2 11/32	**FTXR55TPE2**

Set shown includes magnetic storage tray

FTXR40TPE *TORX Plus* Tamper-Resistant Socket Driver (40IPR)

- Quickly removes and replaces the Reverse Idler Shaft on 2001/2002 *Ford* Mustang GT™ vehicles using the TREMEC3650 Manual Transmission
- Also use on the camshaft bolts on 2008 Toyota® Tundra with the 5.7L engine
- Five-lobe configuration
- Two-piece pinless design holds bit securely in socket while facilitating quick bit replacement
- Cold formed socket delivers a strong, durable tool
- Chrome plating resists corrosion and clean easily
- For sale to authorized technicians only

211EFTXRTPY Tamper-Resistant Combination *TORX Plus* Set Includes 1/4" drive TTXR8TPE–TTXR25TPE *TORX Plus* Drivers plus 3/8" drive FTXR27TPE–FTXR55TPE *TORX Plus* Drivers (11 pcs) (8IPR–55IPR).

211EFTXRTPY Applications: 2003 *Ford* Mustang® transmissions, 2004 *Ford* F150 transfer case, 2004 Porsche® Cayenne® turbo air sensor, Delphi® and Stanadyne® pumps, Cummins® B and C engine injection pumps and John Deere® diesel injector pumps.



211EFTXTPY

TORX Plus

TORX Plus fasteners may be found in almost all vehicles from the 1999 model year to present. Common applications include GM® transmissions bell housing bolts and Ford® seat belt anchors. T27IP size can be used to service Taurus® and Sable® front spring shields. Use of a standard *TORX* driver on *TORX Plus* fasteners may result in a rounded out fastener head or damaged driver.

#	Stock No.	A	B
27IP	**FTX27TPE**	1 3/4	**FTX27TPE2**
30IP	**FTX30TPE**	1 3/4	**FTX30TPE2**
40IP	**FTX40TPE**	1 3/4	**FTX40TPE2**
45IP	**FTX45TPE**	2 1/8	**FTX45TPE2**
50IP	**FTX50TPE**	2 1/8	**FTX50TPE2**
55IP	**FTX55TPE**	2 5/16	**FTX55TPE2**

Set shown includes magnetic storage tray

211EFTXTPY Combination Drive TORX Plus Set Includes 1/4" drive TTX8TPE–TTX25TPE Drivers plus 3/8" drive FTX27TPE–FTX55TPE Drivers (11 pcs) (8IP–55IP) in magnetic storage tray.



FTXEL45E



GFTX500E

Special Application *TORX*

#	Stock No.	Description	A	B
T40	**FTXEL40E**	Extra Long	7 1/2	**FTXEL40E2**
T47	**FTX47E**	GM Style	2 1/16	**FTX47E2**
T45	**FTXEL45E**	Extra Long	7 11/16	**FTXEL45E2**
40IPR	**FTXR40TPE**	Tamper Resistant	1 3/4	**FTXR40TPE2**
T47	**GFTX500E**	GM Style	2 1/16	**FTX500E2**
T30	**FTXEL30TPE**	Extra Long	5	**FTXEL30TPE2**

FTXEL40E Applications include service on intake manifold bolts on *Ford* 5.0 L engines with fuel injection, model years 1985–1990.

FTX47E For use on *GM* door strikers.

FTXEL45E Quickly and easily access intake bolts on *Cummins* N14 diesel engines without removing the air pump. Can also be used on older *Cummins* NH Big Cam four diesel engines. 3/8" square drive.

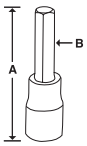
GFTX500E For use on *GM* door strikers and seat belt bolts.

FTXEL30TPE For removing the engine harness from the firewall on 2007 and newer. For Volvo® trucks with D16, MPT 8 and MPT 10 engines, *Cummins* ISX fuel timing and metering actuators.

Hex/Standard, mm

mm		A	B	Set Contains: 211EFAMY	207EFAMY
2	FAM2E	47.8	FAM2E2		
2.5	FAM2.5E	47.8	FAM2.5E2		
3	FAM3E	47.8	FAM3E2		
4	FAM4E	52.3	FAM4E2	•	•
5	FAM5E	52.6	FAM5E2	•	•
6	FAM6E	52.6	FAM6E2	•	•
7	FAM7E	52.6	FAM7E2	•	•
8	FAM8E	52.6	FAM8E2	•	•
9	FAM9E	52.6	FAM9E2	•	•
10	FAM10E	52.6	SAM10E2	•	•
11	FAM11E	69.9	FAM11E2	•	
12	FAM12E	69.9	FAM12E2	•	
13	FAM13E	69.9	FAM13E2	•	
14	FAM14E	69.9	FAM14E2	•	

Sets include magnetic storage tray





211EFAMY

210EFTAMY Combination Metric Standard Hex Set Includes 1/4" drive TMAM2E–TMAM3E Standard Length Drivers plus 3/8" drive FAM4E–FAM10E Standard Length Drivers (10 pcs) (2 mm–10 mm).

Hex/Stubby, mm

mm		A	B
7	FAMXS7E	34.7	FAMXS7E2
8	FAMXS8E	35.7	FAMXS8E2
9	FAMXS9E	36.7	FAMXS9E2
10	FAMXS10E	37.7	FAMXS10E2

Set includes magnetic storage tray



208EFTAMXSY

208EFTAMXSY Metric Combination Stubby Hex Set Includes 1/4" drive TMAMXS3E–TMAMXS6E Stubby Drivers plus 3/8" drive FAMXS7E–FAMXS10E Stubby Drivers (8 pcs) (3 mm–10 mm)

Hex/Long, mm

mm		A	B	Set Contains: 206EFAML
4	FAML4E	153.9	FAML4E2	•
5	FAML5E	153.9	FAML5E2	•
6	FAML6E	153.9	FAML6E2	•
7	FAML7E	153.9	FAML7E2	•
8	FAML8E	153.9	FAML8E2	•
10	FAML10E	153.4	FAML10E2	•

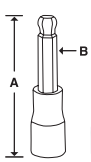


206EFAML

Ball Hex/Standard, mm

mm		A	B
7	FABM7E	52.5	FABM7E2
8	FABM8E	52.5	FABM8E2
9	FABM9E	52.5	FABM9E2
10	FABM10E	52.5	FABM10E2

Set includes magnetic storage tray





208EFTABMY

208EFTABMY Metric Ball Hex Combination Set Includes 1/4" drive TMABM3E–TMABM6E Standard Length Drivers plus 3/8" drive FABM7E–FABM10E Standard Length Drivers (8 pcs) (3 mm–10 mm)

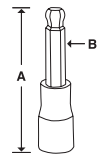
⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

METRIC HEX BIT SOCKETS



206EFABLM



Ball Hex/Long, mm

mm		A	B	Set Contains: 206EFABLM
4	FABLM4E	129.3	FABLM4E2	•
5	FABLM5E	128.5	FABLM5E2	•
6	FABLM6E	128.5	FABLM6E2	•
7	FABLM7E	128.5	FABLM7E2	•
8	FABLM8E	127.3	FABLM8E2	•
10	FABLM10E	128.3	FABLM10E2	•

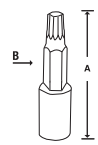
Set shown includes storage tray

Double Hex, mm

Double Hex socket drivers and Triple Square socket drivers cannot be interchanged between applications. Triple square socket drivers have 90° corners. Double hex socket drivers have 120° corners. Using a Triple Square tool in a Double Hex application will strip the bolt head. In general, Triple Square tools are used on European vehicles and Double Hex tools are used on Asian vehicles.



FADM8E



mm		A	B
8	FADM8E	51.3	FADM8E2
8	FADM8LE	121.9	FADM8LE2

FADM8E/FADM8LE Applications: Removal/installation of head bolts on Toyota® Tercel 1995 and later, and Paseo (1992–1997).

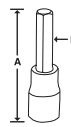
HEX BIT SOCKETS



208EGFAY



212EFTAY





GFA10E

Hex/Standard, inches

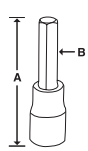
			A	B	Fits These Cap Screws	Fits These Set Screws	Set Contains: 208EFAY	208EGFAY
1/8	FA4E	GFA4E	2 1/16	TMA4E2	—	1/4	•	•
9/64	FA4.5E	GFA4.5E	2 1/16	TMA4.5E2	#8	—	•	•
5/32	FA5E	GFA5E	2 1/16	FA5E2	#10	5/16	•	•
3/16	FA6E	GFA6E	2 1/16	FA6E2	1/4	3/8	•	•
7/32	FA7E	GFA7E	2 1/16	FA7E2	—	7/16	•	•
1/4	FA8E	GFA8E	2 1/16	FA8E2	5/16	1/2	•	•
5/16	FA10E	GFA10E	2 1/16	FA10E2	3/8	5/8	•	•
3/8	FA12E	GFA12E	2 3/32	FA12E2	7/16 and 1/2	3/4	•	•

Sets shown include storage tray

212EFTAY Combination Drive Standard Hex Set Includes 1/4" drive TMA2E–TMA3.5E Hex Drivers plus 3/8" drive FA4E–FA12E Hex Drivers (12 pcs) (1/16"–3/8").



208EFTAXSY



Hex/Stubby, inches

		A	B	Fits These Cap Screws	Fits These Set Screws
7/32	FAXS7E	1 5/16	FAXS7E2	—	—
1/4	FAXS8E	1 11/32	FAXS8E2	5/16"	1/2"
5/16	FAXS10E	1 13/32	FAXS10E2	3/8"	5/8"
3/8	FAXS12E	1 15/32	FAXS12E2	1/2"	3/4"

Set shown includes magnetic storage tray

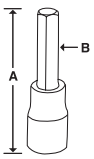
208EFTAXSY Combination Drive Stubby Hex Set Includes 1/4" drive TMAXS4E–TMAXS6E Stubby Drivers plus 3/8" drive FAXS7E–FAXS12E Stubby Drivers (8 pcs) (1/8"–3/8").

Hex/Extra Long, inches

Set Contains: 206EFAL

		A	Fits These Cap Screws	Fits These Set Screws	B	
5/32	FA5LE	6 1/16	#10	5/16"	FA5LE2	•
3/16	FA6LE	6 1/8	1/4"	3/8"	FA6LE2	•
7/32	FA7LE	6 1/8	—	7/16"	FA7LE2	•
1/4	FA8LE	6 1/8	5/16"	1/2"	FA8LE2	•
5/16	FA10LE	6 1/16	3/8"	5/8"	FA10LE2	•
3/8	FA12LE	6 1/16	1/4"	3/4"	FA12LE2	•

Set shown includes storage tray



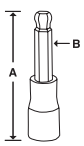


206EFAL

Ball Hex/Standard, inches

		A	B
7/32	FAB7E	2 3/32	FAB7E2
1/4	FAB8E	2 3/32	FAB8E2
5/16	FAB10E	2 3/32	FAB10E2
3/8	FAB12E	2 3/32	FAB12E2

Sets shown include magnetic storage tray





208EFTABY

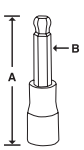
208EFTABY Combination Standard Ball Hex Set Includes 1/4" drive TMAB4E–TMAB6E Ball Hex Drivers plus 3/8" drive FAB7E–FAB12E Ball Hex Drivers (8 pcs) (1/8"–3/8").

Ball Hex/Long, inches

Set Contains: 206EFABL

		A	B	
5/32	FABL5E	5 1/16	FABL5E2	•
3/16	FABL6E	5 1/16	FABL6E2	•
7/32	FABL7E	5 1/16	FABL7E2	•
1/4	FABL8E	5 1/16	FABL8E2	•
5/16	FABL10E	5 1/16	FABL10E2	•
3/8	FABL12E	5 1/16	FABL12E2	•

Sets shown include storage tray



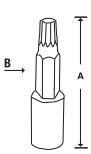


206EFABL

Triple Square, mm

	mm	Stock No.	A	B
Standard Length	4	FTSM4E	48.5	FTSM4E2
	5	FTSM5E	48.5	FTSM5E2
	6	FTSM6E	48.5	FTSM6E2
	8	FTSM8E	58	FTSM8E2
	10	FTSM10E	67.8	FTSM10E2
Long	8	FTSM8LE	84.6	FTSM8LE2
	10	FTSM10LE	101.6	FTSM10LE2

Set shown includes storage tray





FTSM8LE



TSS7KIT

TSS7KIT Metric Set Includes 3/8" drive FTSM6E–FTSM10E Triple Square Drivers plus 1/2" drive STSM12E–STSM18E Triple Square Drivers (7 pcs) (4 mm–18 mm).

FTSM6E Various applications on European vehicles.

FTSM8E Remove and install head and accessory bolts on Mercedes®, and remove and install axle shaft bolts on VW® and Audi® vehicles.

FTSM10E Used for cylinder head bolts and drive shaft bolts on *Mercedes*, and remove and install axle shaft bolts on *VW* and *Audi* vehicles.

Double Hex socket drivers and Triple Square socket drivers cannot be interchanged between applications. Triple square socket drivers have 90° corners. Double hex socket drivers have 120° corners. Using a Triple Square tool in a Double Hex application will strip the bolt head. In general, Triple Square tools are used on European vehicles and Double Hex tools are used on Asian vehicles.

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

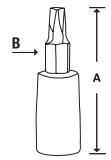
SPECIAL APPLICATION BIT SOCKETS



PFMTS2E



PFMTS4E



Mortorq®/Super Bit

#	Stock No.	A	B
MTS-0	PFMTS0E	1 3/4	PFMTS0E2
MTS-1	PFMTS1E	1 3/4	PFMTS1E2
MTS-2	PFMTS2E	1 3/4	PFMTS2E2
MTS-3	PFMTS3E	2 1/8	PFMTS3E2
MTS-4	PFMTS4E	2 1/8	PFMTS4E2

PFMTS1E Bit Socket
Applications: For seat tracks on 2009 Mazda 6®.
Other seat applications: Cadillac® CTS, Nissan® Maxima® and Altima.
PFMTS4E Bit Socket
Applications: Remove/install the bolts that secure the bell housing to the transmission on GM® 4L60 transmissions.

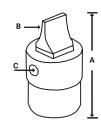
FLAT TIP BIT SOCKETS

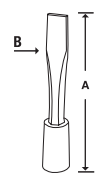


F23E



GF31E





— Flat Tip, inches

	#	Stock No.	Industrial Stock No.	A	B
Standard Length	5/16 x .046	F23E	–	3	F23E2A
	5/16 x .055	F25E	GF25E	3	F25E2A
	5/16 x .066	F31E	GF31E	3 7/16	F31E2A
Short	1/4 x .037	F42E	–	1 13/16	F42E2
	5/16 x .057	F52E	–	1 13/16	F52E2
	3/8 x .068	F62E	GF62E	1 27/32	F62E2

PHILLIPS® TIP BIT SOCKETS



GFP22E



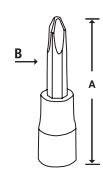
FPS32E



FP22E



FP34E



✚ *Phillips*

	#	Stock No.	Industrial Stock No.	A	B
Standard Length	#2	FP22E	GFP22E	2 1/16	FP22E2
	#3	FP32E	–	2 5/16	FP32E2
	#4	FP41E	–	1 21/32	FP41E2
Short	#3	FPS32E	–	1 29/32	SP32E2
Long	#2	FP24E	–	4 1/32	FP24E2
	#3	FP34E	–	4 1/32	FP34E2
	#4	FP42E	–	2 9/16	FP42E2

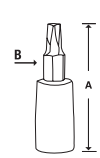
POZIDRIV® AND CLUTCH BIT SOCKETS



FPD32E



F29E



✚ *Pozidriv*

#	Stock No.	A	B
#2	FPD22E	2 1/16	FPD22E2
#3	FPD32E	2	FPD32E2

⬬ Clutch, Standard Length

	Stock No.	A	B
3/8	F29E	3/8	1 3/4
5/16	F30E	19/64	1 3/4

Impact Driver Sets

208EPIT Set. 8pc Includes:

Stock No.	Description
PIT120	Impact Driver
F42E	1/4" Flat Tip Driver
F52E	5/16" Flat Tip Driver
F62E	3/8" Flat Tip Driver
FP22E	#2 PHILLIPS® Driver
FP32E	#3 *PHILLIPS* Driver
FP42E	#4 *PHILLIPS* Driver
FPD22E	#2 POZIDRIV® Driver
PB108A	Storage Case



PIT120

PIT120 Impact Driver
Delivers cam action impact when struck with a hammer for loosening or tightening fasteners. Industrial finish.



208EPIT

PIT2230E Set. 36pc Includes:

Stock No.	Description
PIT120	Impact Driver
FA6E	3/16" Hex Driver w/ extra FA6E2 Bit
FA7E	7/32" Hex Driver w/ extra FA7E2 Bit
FA8E	1/4" Hex Driver w/ extra FA8E2 Bit
FA10E	5/16" Hex Driver w/extra FA10E2 Bit
FA12E	3/8" Hex Driver w/ extra FA12E2 Bit
F42E	1/4" Flat Tip Driver w/ extra F42E2 Bit
F52E	5/16" Flat Tip Driver w/ extra F52E2 Bit
F62E	3/8" Flat Tip Driver w/ extra F62E2 Bit
FP22E	#2 *PHILLIPS* Driver w/ extra FP22E2 Bit
FP32E	#3 *PHILLIPS* Driver w/ extra FP32E2 Bit
FP41E	#4 *PHILLIPS* Driver w/ extra FP41E2 Bit
FP42E	#4 *PHILLIPS* Driver w/ extra FP42E2 Bit
F29E	3/8" Clutch Socket Driver
F30E	5/16" Clutch Socket Driver
FPD22E	#2 *POZIDRIV* Driver
IMF120A	3/8" 6-point Impact Socket
IMF140A	7/16" 6-point Impact Socket
IMF160	1/2" 6-point Impact Socket
IMF180	9/16" 6-point Impact Socket
IMF200	5/8" 6-point Impact Socket
IMF220	11/16" 6-point Impact Socket
IMF240	3/4" 6-point Impact Socket
GF22	11/16" Drag Link Socket
KRA142B	Metal Box

PIT2230E Impact Driver Set
Includes PIT120 impact driver plus all sockets, screwdrivers and replacement bits (36pc) conveniently displayed in a storage tray that fits in the KRA142 metal box.



PIT2230E

WARNING • Read safety precautions on pages W1 to W4

IMPACT ACCESSORIES



204IMXA



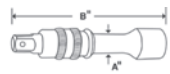
Snap Ring Retention Device Extensions

Stock No.	A	B	Set Contains: 204IMXA
IMX11	1/2	1 3/4	•
IMX31	1/2	3	•
IMX61	1/2	6	•
IMX111	1/2	11	•

Includes storage tray



IMXL61



Locking Extensions

- Quick release locking sleeve provides a secure connection plus easy socket removal
- Knurled release collar for easy one-hand operation, even with slippery hands

Stock No.	A	B
IMXL31	1/2	3
IMXL61	1/2	6
IMXL111	1/2	11



IMSFXL24

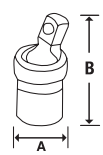
Locking Adaptors

- Quick release locking sleeve at the 3/8" drive

Stock No.	A	B	C	D
IMSFXL18	3/8 (locking)	1/2	21/32	18
IMSFXL24	3/8 (locking)	1/2	21/32	24
IMSFXL33	3/8 (locking)	1/2	21/32	33



IPF80B

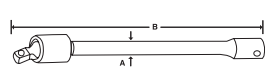


Universal Joints (Impact)

Stock No.	Socket Attachment	A	B
IPF80B	Pin Type	1	2 1/8
IPF800B	Ball Type	1	2 1/8



202IPFX

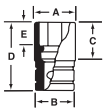


Swivel Extensions

- Laser welded pivot pin allows smooth, full 30° swivel action for efficient power transfer
- Manufactured from special allond heat treated for optimum strength and durability
- Provides versatility for the technician as they can use any shallow, semieep, deep, 6-pt, 12-pt, metric or fractional impact socket – you are not limited to just one size

Stock No.	Shank Dia., inches	Length, inches	Set Contains: 202IPFX
IPFX6	9/16	6	•
IPFX9	9/16	9	•

Sets shown include magnetic storage tray



Shallow, mm



IMDFM14



214IMFMYA

Set Contains: 214IMFMYA | 207IMDFMYA

mm	6	12	A	B	C	D	E	6	12
8	IMFM8A	IMDFM8A	12.8	17.2	11.1	23.0	6.4	•	
9	IMFM9A	–	14.0	17.2	11.0	23.0	7.1	•	
10	IMFM10A	IMDFM10A	15.1	17.2	11.0	23.0	7.1	•	•
11	IMFM11A	IMDFM11A	16.7	18.8	11.6	23.8	7.1	•	
12	IMFM12	IMDFM12	18.8	18.0	11.6	23.8	7.1	•	•
13	IMFM13	IMDFM13	18.8	18.8	12.4	24.6	7.4	•	•
14	IMFM14	IMDFM14	20.4	20.4	13.5	27.0	9.1	•	•
15	IMFM15	IMDFM15	21.2	21.2	13.5	27.0	9.1	•	•
16	IMFM16	IMDFM16	22.7	22.7	14.1	27.8	10.4	•	
17	IMFM17	IMDFM17	24.3	24.3	14.4	28.2	10.2	•	•
18	IMFM18	IMDFM18	25.1	25.1	14.3	29.0	10.9	•	•
19	IMFM19	IMDFM19	26.7	26.7	15.6	30.6	11.7	•	
20	IMFM20	IMDFM20	28.3	28.3	16.5	30.9	12.2		
21	IMFM21	IMDFM21	28.8	28.8	17.5	29.5	12.2	•	
22	IMFM22	IMDFM22	29.9	29.9	18.3	32.9	13.0		
23	IMFM23	–	31.5	31.5	19.3	31.5	13.2		
24	IMFM24	–	32.6	32.6	21.1	33.0	14.5	•	

Dimensions in ( ) apply to 12-point sockets only.

Sets shown include magnetic storage tray

Shallow, inches



IMDF180



212IMFYA

Set Contains: 212IMFYA | 207IMDFY

	6	12	A	B	C	D	E	6	12
5/16	IMF100A	–	1/2	11/16	3/8	7/8	1/4	•	
3/8	IMF120A	IMDF120A	9/16	11/16	7/16	7/8	3/16	•	•
7/16	IMF140A	IMDF140A	21/32	3/4	7/16	15/16	9/32	•	•
1/2	IMF160	IMDF160	3/4	3/4	7/16	15/16	9/32	•	•
9/16	IMF180	IMDF180	13/16	13/16	7/16	15/16	9/32	•	•
5/8	IMF200	IMDF200	29/32	29/32	7/16	15/16	9/32	•	•
11/16	IMF220	IMDF220	31/32	31/32	9/16	1 1/32	3/8	•	•
3/4	IMF240	IMDF240	1 1/16	1 1/16	9/16	1 3/32	13/32	•	•
13/16	IMF260	–	1 1/8	1 1/8	11/16	1 3/16	1/2	•	
7/8	IMF280	–	1 3/16	1 3/16	3/4	1 9/32	1/2	•	
15/16	IMF300	–	1 9/32	1 9/32	13/16	1 5/16	17/32	•	
1	IMF320	–	1 11/32	1 9/32	13/16	1 5/16	9/16	•	

Semi Deep, mm



IMFMS12



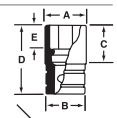
212IMFMSYA

Set Contains: 212IMFMSYA

mm	6	A	B	C	D	E	6
8	IMFMS8A	12.8	17.2	29.3	41.3	6.4	•
9	IMFMS9A	14.0	17.2	29.3	41.3	7.1	•
10	IMFMS10A	15.1	17.2	29.3	41.3	9.7	•
11	IMFMS11A	17.2	17.2	29.3	41.3	9.7	•
12	IMFMS12	18.0	18.0	29.3	41.3	9.7	•
13	IMFMS13	19.6	19.6	29.3	41.3	10.4	•
14	IMFMS14	20.4	20.4	29.3	41.3	10.4	•
15	IMFMS15	21.2	21.2	29.3	41.3	10.4	•
16	IMFMS16	22.7	22.7	29.3	41.3	10.4	•
17	IMFMS17	24.3	24.3	29.3	41.3	11.2	•
18	IMFMS18	25.1	25.1	29.3	41.3	11.2	•
19	IMFMS19	26.7	26.7	29.3	41.3	11.7	•
21	IMFMS21	29.2	25.1	29.3	65.7	12.4	

⚠WARNING • Read safety precautions on pages W1 to W4

FLANK DRIVE® IMPACT SOCKETS



Semi Deep, inches


IMFS16


210IMFSYA

Set Contains: 210IMFSYA

	6	A	B	C	D	E	6
5/16	IMFS10A	1/2	11/16	1 5/32	1 5/8	1/4	•
3/8	IMFS12A	9/16	11/16	1 5/32	1 5/8	9/32	•
7/16	IMFS14A	21/32	3/4	1 5/32	1 5/8	11/32	•
1/2	IMFS16	3/4	3/4	1 5/32	1 5/8	13/32	•
9/16	IMFS18	13/16	13/16	1 5/32	1 5/8	13/32	•
5/8	IMFS20	29/32	29/32	1 5/32	1 5/8	13/32	•
11/16	IMFS22	31/32	31/32	1 5/32	1 5/8	7/16	•
3/4	IMFS24	1 1/16	1 1/16	1 5/32	1 5/8	15/32	•
13/16	IMFS26	1 1/8	1 1/8	1 5/32	1 5/8	1/2	•
7/8	IMFS28	1 3/16	1 3/16	1 5/32	1 5/8	17/32	•

Set shown includes magnetic storage tray

Deep, mm


SIMDFM14


214SIMFMYA

Set Contains: 214SIMFMYA 214SIMDFMYA

mm	6	12	A	B	C	D	E	6	12
8	SIMFM8A	SIMDFM8A	12.8	17.2	38.1	54.0	6.4	•	•
9	SIMFM9A	SIMDFM9A	14.0	17.2	38.1	54.0	7.1	•	•
10	SIMFM10A	SIMDFM10A	15.1	17.2	38.1	54.0	9.7	•	•
11	SIMFM11A	SIMDFM11A	17.2	17.2	38.1	54.0	9.7	•	•
12	SIMFM12	SIMDFM12	18.0	18.0	38.1	54.0	9.7	•	•
13	SIMFM13	SIMDFM13	19.6	19.6	38.1	54.0	10.4	•	•
14	SIMFM14	SIMDFM14	20.4	20.4	42.7	60.3	10.4	•	•
15	SIMFM15	SIMDFM15	21.2	21.2	42.7	60.3	10.4	•	•
16	SIMFM16	SIMDFM16	22.7	22.7	42.7	60.3	10.4	•	•
17	SIMFM17	SIMDFM17	24.3	24.3	47.0	66.7	11.2	•	•
18	SIMFM18	SIMDFM18	25.1	25.1	47.0	66.7	11.2	•	•
19	SIMFM19	SIMDFM19	26.7	26.7	47.0	66.7	14.2	•	•
20	SIMFM20	–	28.3	28.3	47.0	66.7	12.2		
21	SIMFM21	SIMDFM21	28.9	28.9	47.0	66.7	12.4	•	•
22	SIMFM22	–	29.9	29.9	51.6	73.0	13.0		
23	SIMFM23	–	31.5	31.5	51.6	73.0	13.0		
24	SIMFM24	SIMDFM24	33.0	33.0	58.2	73.0	14.7	•	•

Sets shown include magnetic storage tray

Deep, inches

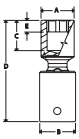

SIMF260


212SIMFYA

Set Contains: 207SIMFYA 212SIMFYA

	6	A	B	C	D	E	6	6
5/16	SIMF100A	1/2	11/16	1 1/2	2 1/8	3/16		•
3/8	SIMF120A	9/16	11/16	1 1/2	2 1/8	9/32	•	•
7/16	SIMF140A	21/32	3/4	1 1/2	2 1/8	5/16	•	•
1/2	SIMF160	3/4	3/4	1 1/2	2 1/8	3/8	•	•
9/16	SIMF180	13/16	13/16	1 1/2	2 1/8	7/16	•	•
5/8	SIMF200	29/32	29/32	1 1/2	2 3/8	7/16	•	•
11/16	SIMF220	31/32	31/32	1 1/2	2 5/8	1/2	•	•
3/4	SIMF240	1 1/16	1 1/16	1 1/2	2 5/8	9/16	•	•
13/16	SIMF260	1 1/8	1 1/8	2 1/16	2 3/4	9/16		•
7/8	SIMF280	1 3/16	1 3/16	2 1/16	2 3/4	9/16		•
15/16	SIMF300	1 9/32	1 9/32	2 1/32	2 3/4	9/16		•
1	SIMF320	1 11/32	1 11/32	2 3/16	2 3/4	5/8		•

Sets shown include magnetic storage tray





207IPFM



IPDFM12A

Shallow, mm

mm	6	12	A	B	D	E	Set Contains: 207IPFM 6	212IPFM 6	207IPDFM 12
8	IPFM8C	–	13.2	22.2	49.8	6.4		•	
9	IPFM9C	–	14.0	25.1	52.1	6.4			
10	IPFM10C	IPDFM10A	15.4	22.2	50.8	7.1	•	•	•
11	IPFM11C	–	16.7	22.2	52.1	7.1		•	
12	IPFM12C	IPDFM12A	18.1	22.2	55.4	7.1	•	•	•
13	IPFM13C	IPDFM13A	18.9	22.2	54.1	7.9	•	•	•
14	IPFM14C	IPDFM14A	20.5	22.2	55.4	7.9	•	•	•
15	IPFM15C	IPDFM15A	21.2	22.2	56.4	7.9	•	•	•
16	IPFM16C	IPDFM16A	22.6	22.2	57.4	8.6		•	
17	IPFM17C	IPDFM17A	23.4	23.0	62.2	8.6	•	•	•
18	IPFM18C	IPDFM18A	25.1	23.0	64.0	9.7	•	•	•
19	IPFM19C	–	26.4	23.0	65.0	10.4		•	
21	IPFM21C	–	29.2	25.1	65.7	12.4		•	
22	IPFM22C	–	30.1	25.1	67.7	12.9			

Sets shown include storage tray



205IPF



IPF22C

Shallow, inches

	6	12	A	B	D	E	Set Contains: 205IPF 6
3/8	IPF12C	IPDF12A	9/16	7/8	1 31/32	1/4	
7/16	IPF14C	–	21/32	7/8	2 1/16	9/32	•
1/2	IPF16C	–	3/4	7/8	2 1/8	5/16	•
9/16	IPF18C	–	13/16	7/8	2 3/16	5/16	•
5/8	IPF20C	–	7/8	7/8	2 1/4	11/32	•
11/16	IPF22C	–	31/32	31/32	2 7/16	13/32	
3/4	IPF24C	–	1 1/16	29/32	2 19/32	7/16	•

Set shown includes storage tray



207IPSFM



IPSFM21A

Semi Deep, mm

mm	6	A	B	D	E	Set Contains: 207IPSFM 6
8	IPSFM8A	12.8	22.2	62.5	6.4	
10	IPSFM10A	15.1	22.2	64.1	9.7	•
11	IPSFM11A	17.2	22.2	65.6	9.7	
12	IPSFM12A	18.0	23.0	69.6	9.7	•
13	IPSFM13A	19.6	23.0	71.9	10.4	•
14	IPSFM14A	20.4	23.0	72.9	10.4	•
15	IPSFM15A	22.0	23.0	74.4	10.4	•
16	IPSFM16A	22.7	23.0	74.9	10.4	
17	IPSFM17A	24.3	23.0	76.0	11.2	•
18	IPSFM18A	25.1	23.0	77.5	11.2	•
19	IPSFM19A	26.7	23.0	79.0	14.2	
21	IPSFM21A	29.2	25.1	77.7	12.4	

Set includes magnetic tray

WARNING • Read safety precautions on pages W1 to W4

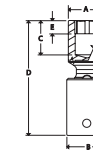
FLANK DRIVE® Impact Swivel Sockets



IPLFM12B



207IPLFM



Deep, mm

Set Contains: 207IPLFM

mm	6	A	B	D	E	6
8	IPLFM8B	15.8	24.9	70.1	9.1	
10	IPLFM10B	15.8	24.9	70.1	9.1	•
12	IPLFM12B	16.6	24.9	73.0	9.7	•
13	IPLFM13A	18.8	22.2	79.5	10.4	•
14	IPLFM14A	20.4	22.2	81.0	10.4	•
15	IPLFM15A	21.2	22.2	82.6	10.4	•
16	IPLFM16A	23.0	25.0	86.0	10.4	
17	IPLFM17A	23.4	23.0	88.3	10.2	•
18	IPLFM18A	25.1	23.0	90.1	10.7	•
19	IPLFM19A	26.7	23.0	91.2	14.2	
21	IPLFM21A	29.2	25.3	92.2	12.4	

Set includes magnetic tray



IPLF18B

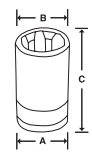
Deep, inches

	6	A	B	D	E
3/8	IPLF12B	9/16	7/8	2 15/16	1/4
7/16	IPLF14B	21/32	7/8	2 3/4	9/32
1/2	IPLF16B	3/4	7/8	2 3/4	5/16
9/16	IPLF18B	13/16	7/8	3 3/16	5/16
5/8	IPLF20B	7/8	7/8	3 1/4	11/32

SPECIAL APPLICATION SOCKETS



207IMFLE



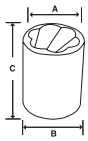
TORX®

Various applications on heavy duty trucks with Mercedes-Benz® engines. Use E18 size for F550 brake rotor. Use E20 size for rear brake caliper bolts on BMW® X5 vehicles.

Set Contains: 207IMFLE

#	Stock No.	A	B	C	
E8	IMFLE80A	15/32	11/16	1 5/32	•
E10	IMFLE100A	1/2	11/16	1 5/32	•
E12	IMFLE120A	19/32	11/16	1 5/32	•
E14	IMFLE140A	5/8	11/16	1 5/32	•
E16	IMFLE160A	3/4	3/4	1 1/4	•
E18	IMFLE180A	25/32	25/32	1 5/16	•
E20	IMSLE200	15/16	15/16	1 1/2	•

Set shown includes magnetic storage tray





209TFSMYA

Twist, Shallow, inches/mm

Twist sockets remove rounded/damaged fasteners

Set Contains:	209TFSMYA	213TFSYA

11 mm	6	A	B	C	6	6
3/8"	**TFSY121A**	11/16 (17.5)	9/16 (14.3)	1 1/4 (31.8)		•
7/16" (11)	**TFSY141A**	11/16 (17.5)	21/32 (16.7)	1 1/4 (31.8)	•	•
1/2"	**TFSY161A**	3/4 (19.1)	3/4 (19.1)	1 1/4 (31.8)		•
9/16"	**TFSY181A**	13/16 (20.6)	13/16 (20.6)	1 1/4 (31.8)		•
5/8" (16)	**TFSY201A**	29/32 (23.0)	29/32 (23.0)	1 1/4 (31.8)	•	•
11/16"	**TFSY221A**	31/32 (24.6)	31/32 (24.6)	1 3/8 (35.0)		•
3/4" (19)	**TFSY241A**	1 1/16 (27.0)	1 1/16 (27.0)	1 3/8 (35.0)	•	•
10	**TFSY10A**	11/16 (17.5)	19/32 (15.1)	1 1/4 (31.8)	•	•
12	**TFSY12A**	11/16 (17.5)	11/16 (17.5)	1 1/4 (31.8)	•	•
13	**TFSY13A**	3/4 (19.1)	3/4 (19.1)	1 1/4 (31.8)	•	•
14	**TFSY14A**	13/16 (20.6)	13/16 (20.6)	1 1/4 (31.8)	•	•
15	**TFSY15A**	13/16 (20.6)	27/32 (21.4)	1 1/4 (31.8)	•	•
17	**TFSY17A**	31/32 (24.6)	31/32 (24.6)	1 3/8 (35.0)	•	•

Sets shown include storage tray



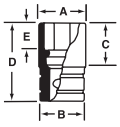
213TSFSYA

Twist, Deep, inches/mm

Set Contains:	213TFSFSYA

11 mm	6	A	B	C	6
3/8"	**TSFSY121A**	11/16 (17.5)	9/16 (14.3)	2 1/8 (54.0)	•
7/16" (11)	**TSFSY141A**	11/16 (17.5)	21/32 (16.7)	2 1/8 (54.0)	•
1/2"	**TSFSY161A**	3/4 (19.1)	3/4 (19.1)	2 1/8 (54.0)	•
9/16"	**TSFSY181A**	13/16 (20.6)	13/16 (20.6)	2 3/8 (60.3)	•
5/8" (16)	**TSFSY201A**	29/32 (23.0)	29/32 (23.0)	2 3/8 (60.3)	•
11/16"	**TSFSY221A**	31/32 (24.6)	31/32 (24.6)	2 5/8 (66.7)	•
3/4" (19)	**TSFSY241A**	1 1/16 (27.0)	1 1/16 (27.0)	2 5/8 (66.7)	•
10	**TSFSY10A**	11/16 (17.5)	19/32 (15.1)	2 1/8 (54.0)	•
12	**TSFSY12A**	11/16 (17.5)	11/16 (17.5)	2 1/8 (54.0)	•
13	**TSFSY13A**	3/4 (19.1)	3/4 (19.1)	2 1/8 (54.0)	•
14	**TSFSY14A**	13/16 (20.6)	13/16 (20.6)	2 3/8 (60.3)	•
15	**TSFSY15A**	13/16 (20.6)	27/32 (21.4)	2 3/8 (60.3)	•
17	**TSFSY17A**	31/32 (24.6)	31/32 (24.6)	2 5/8 (66.7)	•

Set shown includes storage tray





DPFM12

Shallow 10pt.

mm	10	A	B	C	D	E
12	**DPFM12**	18.3	18.3	—	26.9	7.1

DPFM12 Shallow Impact Socket

- The DPFM12 is for clutch pressure plate bolts found on the flywheel assembly on Mitsubishi® Eclipse® and Dodge® Stratus® vehicles
- Formed from tough alloy steel
- Heat treated to a lower hardness to add impact resistance and ductility

⚠WARNING • Read safety precautions on pages W1 to W4

POWER ACCESSORIES



PF11A



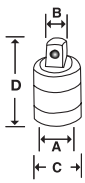
Locking Button Extensions (Power)

Use with power or impact sockets with retention holes.

Stock No.	A	B
PF3	1/2	3
PF6	1/2	6
PF11A	1/2	11



PA4E

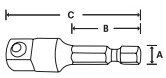


Adaptors (Power)

Stock No.	Socket Attachment	A	B	C	D
PA4E	Pin Type	1/2	3/8	15/16	1 13/16
PA2A	Pin Type	3/8	1/2	3/4	1 5/16



A3042

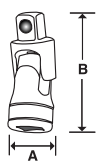


Hex-To-Square Adaptors (Power)

Stock No.	Socket Attachemnt	A	B	C
A3042	Pin Type	1/4	1	2
A3044	Pin Type	1/4	1	4
A3046	Pin Type	1/4	1 1/4	6
A3017A	Pin Type	7/16	1 1/4	1 3/4



PFU8A



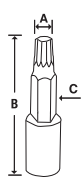
Universal Joint (Power)

Stock No.	Socket Attachment	A	B
PFU8A	Pin Type	3/4	1 31/32

POWER BIT SOCKETS



PFTX30E

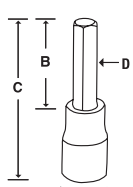


TORX®/Power Drivers

#	Stock No.	A	B
T27	PFTX27E	1 3/4	FTX27E2
T30	PFTX30E	1 3/4	FTX30E2
T40	PFTX40E	1 3/4	FTX40E2



PFAM6E

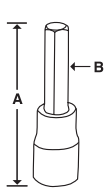


Hex, mm (Power)

mm		A	B
4	PFAM4E	52.3	FAM4E2
5	PFAM5E	52.6	FAM5E2
6	PFAM6E	52.6	FAM6E2
7	PFAM7E	52.5	FAM7E2
8	PFAM8E	52.1	FAM8E2
9	PFAM9E	52.5	FAM9E2
10	PFAM10E	52.5	SAM10E2



PFA8E



Hex, inches (Power)

		A	Fits These Cap Screws	Fits These Set Screws	B
1/8	PFA4E	2 1/16	—	1/4"	TMA4E2
9/64	PFA4.5E	2 1/16	#8	—	TMA4.5E2
5/32	PFA5E	2 1/16	#10	5/16"	FA5E2
3/16	PFA6E	2 1/16	1/4"	3/8"	FA6E2
7/32	PFA7E	2 1/16	—	5/16"	FA7E2
1/4	PFA8E	2 1/16	7/16"	1/2"	FA8E2
5/16	PFA10E	2 1/16	3/8"	5/8"	FA10E2
3/8	PFA12E	2 1/16	1/4" and 1/2"	3/4"	FA12E2

Shallow Magnetic, mm

mm	6	12	A	B	D	E
10	MFIMM10A	MFIMMD10	15.1	17.2	29.1 (28.6)	4.7 (7.1)
12	MFIMM12	–	18.1	19.1	28.6	3.7
13	MFIMM13	–	19.4	19.4	28.6	3.9
15	MFIMM15	–	21.6	21.8	28.6	3.9

Dimensions in ( ) apply to 12 point sockets only





MFIMM15

MFIMMD10 12-Point Metric Shallow Magnetic Socket

- For use on Detroit Diesel® 60 series engines, the MFIMMD10 is used on the three camshaft gear thrust plate bolts located inside the camshaft gear cover within the front gear case on the engine
- Applies to 2002 and later 60 series *Detroit Diesel* engines with the compact gear case
- PLEASE NOTE: Earlier engines with the tall gear case have 13 mm six-point bolts. Please use MFIMM13 for this application

Shallow Magnetic, inches

	6	A	B	D	E
5/16	MFIM101	15/32	11/16	1 1/16	3/32
3/8	MFIM121	17/32	11/16	1 1/16	1/8
7/16	MFIM141	5/8	11/16	1 1/16	5/32
1/2	MFIM161	25/32	25/32	1 1/16	5/32
9/16	MFIM181	7/8	7/8	1 1/16	5/32



MFIM101

Deep Magnetic Spring Loaded, mm

mm	6	A	B	D	E
10	SMFIMM10B	15.1	17.2	50.8	7.1
12	SMFIMM12B	18.1	19.1	50.8	7.1
13	SMFIMM13B	19.4	19.4	50.8	7.6



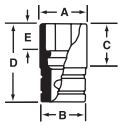
SMFIMM13B

Surface Drive

Use in the industrial market for assembly line work. The lead in chamfer and special design of these sockets will engage with a fastener while rotating on a power nut runner.

Deep, mm

mm	6	A	B	C	D	E
10	DFSM10	14.5	17.2	42.5	54.0	8.4





DFSM10

Deep, inches

	6	A	B	C	D	E
7/16	DFS14	21/32	11/16	1 21/32	2 1/8	11/32



DFS14

Surface Drive (M-Series)

mm	6	A	B	C	D	E
8	M2108	12.7	19.1	16.5	31.8	5.6
10	M2110	16.5	19.1	16.5	31.8	7.4
10	M2210	16.5	19.1	39.1	50.8	7.4
15	M2115	22.2	22.2	25.4	38.1	11.4



M2115

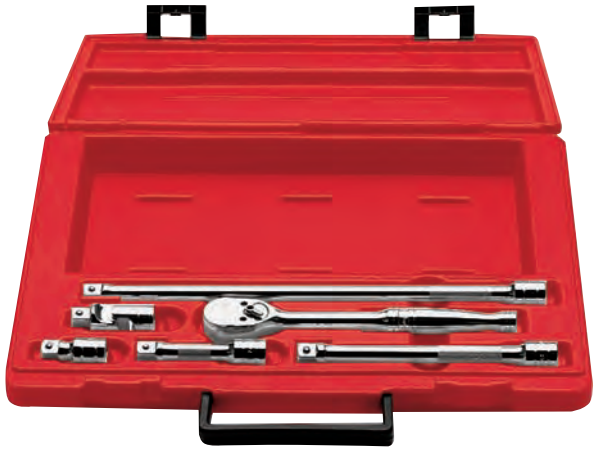
⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

GENERAL SERVICE SETS

Build Your Own Set

The 206AFSP handle set is the foundation for the ideal basic general service set. Add any of the suggested socket sets or choose from various special purpose sockets available in fractional and metric sizes.



206AFSP

206AFSP Handle Set Includes:

- F80 sealed ratchet, FU8A universal joint, FX1 extension (1 1/2"), FXK3 knurled extension (3"), FXK6 knurled extension (6") and FXK11 knurled extension (11")
- 6pc in convenient PB16B storage case large enough to store four rows of standard length sockets, two rows of deep or universal sockets or a combination of the two

Suggested additions not included in set:

	Stock No.	mm	Stock No.
6-Point Shallow Set	**211FSY**	6-Point Shallow Set	**212FSMY**
6-Point Deep Set	**211SFSY**	6-Point Deep Set	**212SFSMY**
12-Point Deep Set	**211SFY**	12-Point Deep Set	**212SFMY**
6-Point Deep Set	**207FSU**	6-Point Semi Deep Set	**212FSMSY**
		12-Point Shallow Set	**212FMY**



218AFSP

218AFSP 6-Point Fractional General Service Set 18 Tools, Includes:

	6-Point Shallow Sockets
1/4	**FS081**
5/16	**FS101**
3/8	**FS121**
7/16	**FS141**
1/2	**FS161**
9/16	**FS181**
5/8	**FS201**
11/16	**FS221**
3/4	**FS241**
13/16	**FS261**
7/8	**FS281**

Also Includes:		
	F80	Standard Handle Sealed Ratchet
	F4LB	Speeder
	F10LC	Breaker Bar
	FU8A	Universal Joint
	FXK3	3" Knurled Extension
	FXK6	6" Knurled Extension
	FXK11	11" Knurled Extension



210AFSP

210AFSP 6-Point Fractional General Service Set 10 Tools, Includes:

	6-Point Shallow Sockets
3/8	FS121
7/16	FS141
1/2	FS161
9/16	FS181
5/8	FS201
11/16	FS221
3/4	FS241

Also Includes:		
	F80	Standard Handle Sealed Ratchet
	FXK3	3" Knurled Extension
	FXK6	6" Knurled Extension



222AFSP

222AFSP 6-Point Fractional General Service Set 22 Tools, Includes:

	6-Point Shallow Sockets		6-Point Deep Sockets
3/8	FS121	3/8	SFS121
7/16	FS141	7/16	SFS141
1/2	FS161	1/2	SFS161
9/16	FS181	9/16	SFS181
5/8	FS201	5/8	SFS201
11/16	FS221	11/16	SFS221
3/4	FS241	3/4	SFS241

Also Includes:		
	F80	Standard Handle Sealed Ratchet
	S9704KA	13/16" Spark Plug Socket
	S9706KA	5/8" Spark Plug Socket
	F10LC	Breaker Bar
	FU8A	Universal Joint
	FXK3	3" Knurled Extension
	FXK4	4" Knurled Extension
	FXK8	8" Knurled Extension

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

GENERAL SERVICE SETS



218AFP

218AFP 12-Point Fractional General Service Set (Tools only) 18 Tools, Includes:

	12-Point Shallow Sockets
1/4	F081
5/16	F101
3/8	F121
7/16	F141
1/2	F161
9/16	F181
5/8	F201
11/16	F221
3/4	F241
13/16	F261
7/8	F281

Also Includes:		
	F80	Standard Handle Sealed Ratchet
	F4LB	Speeder
	F10LC	Breaker Bar
	FU8A	Universal Joint
	FXK3	3" Knurled Extension
	FXK6	6" Knurled Extension
	FXK11	11" Knurled Extension



248F

248F 12-Point Fractional General Service Set 48 Tools, Includes:

12-Point Shallow Sockets		12-Point Deep Sockets		12-Point Universal Sockets	
1/4	F081	1/4	SF081	5/16	FU10B
5/16	F101	5/16	SF101	3/8	FU12B
3/8	F121	3/8	SF121	7/16	FU14B
7/16	F141	7/16	SF141	1/2	FU16B
1/2	F161	1/2	SF161	9/16	FU18B
9/16	F181	9/16	SF181	5/8	FU20B
5/8	F201	5/8	SF201	11/16	FU22B
11/16	F221	11/16	SF221	3/4	FU24B
3/4	F241	3/4	SF241	13/16	FU26B
13/16	F261	13/16	SF261	7/8	FU28B
7/8	F281	7/8	SF281	15/16	FU30A
15/16	F301			1	FU32A

Also Includes:		
	F80	Standard Handle Sealed Ratchet
	F40B	Plastic Handle Driver
	FXK4	4" Knurled Extension
	FRS70A	Ratchet Spinner
	FXK6	6" Knurled Extension
	F4LB	Speeder
	F77	Ratchet Adaptor
	FXK11	11" Knurled Extension
	F5L	Sliding T-Handle
	FU8A	Universal Joint
	F10LC	Breaker Bar
	FXK3	3" Knurled Extension
	BLPEXTF388	8" Flexible Extension



292F

292F 6-/12- Point Fractional General Service Set 92 Tools, Includes:

6-Point Shallow Set: 211FSY	Shallow, 6-Point (11pc) ($^{1}/_{4}$"–$^{7}/_{8}$")
6-Point Deep Set: 211SFSY	Deep, 6-Point (11pc) ($^{1}/_{4}$"–$^{7}/_{8}$")
12-Point Deep Set: 211SFY	Deep, 12-Point (11pc) ($^{1}/_{4}$"–$^{7}/_{8}$")
12-Point Shallow Set: 211FY	Shallow, 12-Point (11pc) ($^{1}/_{4}$"–$^{7}/_{8}$")
12-Point Shallow Universal Sockets:	Universal, Shallow, 12-Point (12pc) ($^{5}/_{16}$"–1")

Also Includes:	**F80**	Standard Handle Sealed Ratchet	**S9704KFUA**	$^{13}/_{16}$" Spark Plug Universal Socket
	FLF80	Sealed Flex Head Ratchet	**GF22**	Drag Link Socket
	F4LB	Speeder	**F23E**	$^{1}/_{4}$" Flat Tip Socket Driver
	F5L	Sliding T-Handle	**F25E**	$^{5}/_{16}$" Flat Tip Socket Driver
	F10LC	Breaker Bar	**F31E**	$^{3}/_{8}$" Flat Tip Socket Driver
	F40B	Short Shank Driver	**F29E**	$^{3}/_{8}$" Clutch Type Driver
	FRS70A	Ratchet Spinner	**F30E**	$^{5}/_{16}$" Clutch Type Driver
	F77	Ratchet Adaptor	**FA5E**	$^{5}/_{32}$" Hex Driver
	FU8A	Universal Joint	**FA6E**	$^{3}/_{16}$" Hex Driver
	FX1	1 $^{1}/_{2}$" Extension	**FA7E**	$^{7}/_{32}$" Hex Driver
	FXK3	3" Knurled Extension	**FA8E**	$^{1}/_{4}$" Hex Driver
	FXK4	4" Knurled Extension	**FA10E**	$^{5}/_{16}$" Hex Driver
	FXK6	6" Knurled Extension	**FA12E**	$^{3}/_{8}$" Hex Driver
	FXK8	8" Knurled Extension	**PP409A**	$^{9}/_{32}$" Pipe Plug Socket
	FXK11	11" Knurled Extension	**PP410A**	$^{5}/_{16}$" Pipe Plug Socket
	FP22E	#2 PHILLIPS® Driver	**PP412A**	$^{9}/_{32}$" Pipe Plug Socket
	FP32E	#3 *PHILLIPS* Driver	**BLPEXTF388**	8" Flexible Extension
	FP42E	#4 *PHILLIPS* Driver	**F111**	$^{11}/_{32}$" Shallow Socket

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

GENERAL SERVICE SETS



222AFSMP

222AFSMP 6-Point Metric General Service Set 22 Tools, Includes:

mm	6-Point Shallow Sockets:	mm	6-Point Deep Sockets:
10	**FSM101**	10	**SFSM10**
11	**FSM111**	11	**SFSM11**
13	**FSM131**	13	**SFSM13**
14	**FSM141**	14	**SFSM14**
15	**FSM151**	15	**SFSM15**
17	**FSM171**	17	**SFSM17**
19	**FSM191**	19	**SFSM19**

Also Includes:		
	F80	Standard Handle Sealed Ratchet
	FU8A	Universal Joint
	F10LC	Breaker Bar
	FXK3	3" Knurled Extension
	FXK4	4" Knurled Extension
	FXK8	8" Knurled Extension
	S9704KA	$^{13}/_{16}$" Spark Plug Socket
	S9706KA	$^{5}/_{8}$" Spark Plug Socket
	PB17B	Storage Case



262MFB

262MFB 6-/12-Point Metric General Service Set 61 Tools, Includes:

mm	6-Point Shallow Sockets	mm	12-Point Shallow Sockets	mm	12-Point Deep Sockets	mm	6-Point Shallow Universal Sockets
8	**FSM81**	9	**FM9**	8	**SFM8**	8	**FSUM8A**
9	**FSM91**	10	**FM10**	9	**SFM9**	10	**FSUM10A**
10	**FSM101**	11	**FM11**	10	**SFM10**	11	**FSUM11A**
11	**FSM111**	12	**FM12**	11	**SFM11**	12	**FSUM12A**
12	**FSM121**	13	**FM13**	12	**SFM12**	13	**FSUM13A**
13	**FSM131**	14	**FM14**	13	**SFM13**	14	**FSUM14A**
14	**FSM141**	15	**FM15**	14	**SFM14**	15	**FSUM15A**
15	**FSM151**	16	**FM16**	15	**SFM15**	16	**FSUM16A**
16	**FSM161**	17	**FM17**	16	**SFM16**	17	**FSUM17A**
17	**FSM171**	18	**FM18**	17	**SFM17**	18	**FSUM18A**
18	**FSM181**	19	**FM19**	18	**SFM18**	19	**FSUM19A**
19	**FSM191**			19	**SFM19**	22	**FSUM22A**

Also Includes:		
	F80	Standard Handle Sealed Ratchet
	F4LB	Speeder
	F10LC	Breaker Bar
	F40B	Plastic Handle Driver
	FRS70A	Ratchet Spinner
	F77	Ratchet Adaptor
	FU8A	Universal Joint
	FXK3	3" Knurled Extension
	FXK6	6" Knurled Extension
	FXK11	11" Knurled Extension
	S9704KR	$^{13}/_{16}$" Spark Plug Socket
	BLPEXTF388	8" Flexible Extension
	S9706KA	$^{5}/_{8}$" Spark Plug Socket
	S9716KA	$^{9}/_{16}$" Spark Plug Socket
	KRA21G	Metal Box

6-Point Metric Starter Set

High strength sealed head ratchet built for strength, precision and durability

- Sockets feature Flank Drive® wrenching system which grips the fastener on the flanks/flats increasing torque by up to 15%–20%
- Nickel chrome plating provides a wear-resistant finish along with a mirror-like finish
- Universal joint helps increase access to hard-to-reach fasteners (STARTERSET3)

Highest quality steel on breaker bar provides strength and durability (STARTERSET5)
Wobble engagement on extensions provides 16° of additional accessibility (STARTERSET5)



STARTERSET3



STARTERSET5

17 pieces, Includes:

mm	6-Point Deep Sockets	mm	6-Point Deep Sockets
8	**SFSM8**	14	**SFSM14**
9	**SFSM9**	15	**SFSM15**
10	**SFSM10**	16	**SFSM16**
11	**SFSM11**	17	**SFSM17**
12	**SFSM12**	18	**SFSM18**
13	**SFSM13**	19	**SFSM19**

Also Includes:		
	FL80	3/8" Dr. Long Handle Sealed Ratchet
	FU8A	Universal Joint
	FXK3	3" Knurled Extension
	FXK6	6" Knurled Extension
	S9706KA	5/8" Spark Plug Socket

17 pieces, Includes:

mm	6-Point Shallow Sockets	mm	6-Point Shallow Sockets
8	**FSM81**	14	**FSM141**
9	**FSM91**	15	**FSM151**
10	**FSM101**	16	**FSM161**
11	**FSM111**	17	**FSM171**
12	**FSM121**	18	**FSM181**
13	**FSM131**	19	**FSM191**

Also Includes:		
	F12LA	Breaker Bar
	F80	Standard Handle Sealed Ratchet
	FXWP1	1 1/2" Wobble Plus Extension
	FXWP3	3" Wobble Plus Extension
	FXWP6	6" Wobble Plus Extension

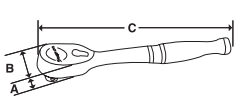
RATCHETS Blue-Point®



BPRFR938



BPRFR938SG



Quick Release Ratchets

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
BPRFR938	Standard Handle	38	9.5°	9/16	1 9/32	7 3/4	**RKRBPRFR938**
BPRFR938SG	Soft Grip Handle	38	9.5°	9/16	1 9/32	7 3/4	**RKRBPRFR938**

ASME®/ANSI® B107.10

BPR703 Quick Release Ratchet Set 1/4" drive BPRTR936, 3/8" drive BPRFR938 and 1/2" drive BPRSR940 Ratchets (3pc) in storage tray.

BPR703SG Quick Release Ratchet Set 1/4" drive BPRTR936SG, 3/8" drive BPRFR938SG and 1/2" drive BPRSR940SG Soft Grip Ratchets (3pc) in storage tray.

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

HANDLES AND ACCESSORIES Blue-Point®



FSD3KT

Ratchet Spinners

Stock No.	Square Drive, inches	Description	FSD3KT Set Contains:
FSD1	3/8 Male to 3/8 Female	Spinner Adaptor	•
FSD14	3/8 Male to 1/4 Female	Spinner Adaptor	•
FSD38	1/4 Male to 3/8 Female	Spinner Adaptor	•

ASME®/ANSI® B107.10

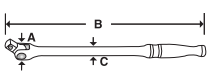


BLPBB3810



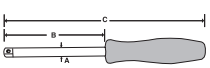
BLPCGHD388

Breaker Bar



Stock No.	Description	A	B	C
BLPBB3810	Standard Handle	7/8	9 31/32	1/2

Handled Driver



Stock No.	Description	C
BLPCGHD388	Spinner Handle	8 5/8



TURBOT103



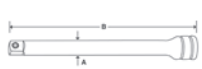
BLPEXTK386

Turbo T-handle Speed Drivers

Stock No.	Description	Handle Type
F11TURBO	3/8" square drive	Turbo T-Handle

TURBOT103 Turbo T-handle Set
- T9TURBO (1/4" drive), TH10TURBO (1/4" hex) and F11TURBO (3/8" drive)
- Three pieces in storage tray

Knurled Extensions



Stock No.	B
BLPEXTK383	2 31/32
BLPEXTK386	5 29/32
BLPEXTK3810	9 29/32





203FXLBP

Locking Extensions

Stock No.	A	B	Set Contains: 203FXLBP
FXLBP3	1/2	3	•
FXLBP6	1/2	6	•
FXLBP10	1/2	10	•

Set shown includes storage tray



BLPLLEXT203

Extra Long Locking Extensions

- Smooth, durable chrome finish
- Made from tough 6130 steel
- Secure socket retention
- Lifetime warranty on individual extensions

Stock No.	A	B	Set Contains: BLPLLEXT203
BLPEXTL3812	1/2	12	•
BLPEXTL3818	1/2	18	•
BLPEXTL3824	1/2	24	•

Set shown includes storage tray



YA525A

Locking (Set Screw) Extension

- Allows easy and secure tool stacking
- Securely connects breaker bar, extensions and ratchets to socket and socket driver for overhead work
- Sliding sleeve for easy removal

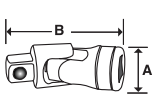
Stock No.	A	B
YA525A	3/4	2 1/8



BLPEXTF388

Flexible Extension

Stock No.	Finish	Length, inches
BLPEXTF388	Chrome	8

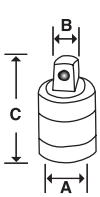




BLPUJ38

Universal Joint

Stock No.	A	B
BLPUJ38	—	2 1/32





BLPAFM3814



BLPAFM1438

Adaptors

Stock No.	Description	A	B
BLPAFM3814	Square Drive Adaptor	3/8	1/4
BLPAFM1438	Square Drive Adaptor	1/4	3/8

WARNING

- Do not use "cheater bars" on handles
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

SOCKETS Blue-Point®



BLPLM3810



BLPLM3816



BLPLM3822

Deep, mm

mm	12	Length, mm
6	BLPLM386	64
7	BLPLM387	64
8	BLPLM388	64
9	BLPLM389	64
10	BLPLM3810	64
11	BLPLM3811	64
12	BLPLM3812	64
13	BLPLM3813	64
14	BLPLM3814	64
15	BLPLM3815	64
16	BLPLM3816	64
17	BLPLM3817	64
18	BLPLM3818	64
19	BLPLM3819	64
20	BLPLM3820	64
21	BLPLM3821	64
22	BLPLM3822	64
23	BLPLM3823	64
24	BLPLM3824	64



BLPSM389



BLPSM3815



BLPSM3822

Shallow, mm

mm	6	Length, mm
6	BLPSM386	25.5
7	BLPSM387	25.5
8	BLPSM388	25.5
9	BLPSM389	25.5
10	BLPSM3810	25.5
11	BLPSM3811	25.5
12	BLPSM3812	25.5
13	BLPSM3813	25.5
14	BLPSM3814	27
15	BLPSM3815	27
16	BLPSM3816	27
17	BLPSM3817	27
18	BLPSM3818	27
19	BLPSM3819	29
20	BLPSM3820	29
21	BLPSM3821	29
22	BLPSM3822	31
23	BLPSM3823	31
24	BLPSM3824	31



BLPL3838



BLPL3834

Deep, inches

	12	Length, inches
1/4	BLPL3814	2 17/32
5/16	BLPL38516	2 17/32
3/8	BLPL3838	2 17/32
7/16	BLPL38716	2 17/32
1/2	BLPL3812	2 17/32
9/16	BLPL38916	2 17/32
5/8	BLPL3858	2 17/32
11/16	BLPL381116	2 17/32
3/4	BLPL3834	2 17/32
13/16	BLPL381316	2 17/32
7/8	BLPL3878	2 17/32
15/16	BLPL381516	2 17/32
1	BLPL381	2 17/32



BLPS3838



BLPS3878

Shallow, inches

	6	Length, inches
1/4	BLPS3814	1
5/16	BLPS38516	1
3/8	BLPS3838	1
7/16	BLPS38716	1
1/2	BLPS3812	1
9/16	BLPS38916	1 1/16
5/8	BLPS3858	1 1/16
11/16	BLPS381116	1 1/16
3/4	BLPS3834	1 5/32
13/16	BLPS381316	1 5/32
7/8	BLPS3878	1 7/32
15/16	BLPS381516	1 7/32
1	BLPS381	1 7/32



BLPTE3810



BLPTE3818

TORX®

#	Stock No.	Length, inches
E4	BLPTE384	1 7/32
E5	BLPTE385	1 7/32
E6	BLPTE386	1 7/32
E7	BLPTE387	1 7/32
E8	BLPTE388	1 7/32
E10	BLPTE3810	1 7/32
E12	BLPTE3812	1 7/32
E14	BLPTE3814	1 7/32
E16	BLPTE3816	1 7/32
E18	BLPTE3818	1 7/32
E20	BLPTE3820	1 7/32

TORX® BIT SOCKETS Blue-Point®





BLPT3845

TORX/Standard

#	Stock No.	Length, inches
T40	BLPT3840	2
T45	BLPT3845	2
T50	BLPT3850	2



BLPTL3845

TORX/Long

#	Stock No.	Length, inches
T40	BLPTL3840	3 5/32
T45	BLPTL3845	3 5/32
T50	BLPTL3850	3 5/32



BLPT3845TP

TORX/Tamper Resistant, Standard

#	Stock No.	A
T10	BLPT3810TP	1 27/32
T15	BLPT3815TP	1 27/32
T20	BLPT3820TP	1 27/32
T25	BLPT3825TP	1 27/32
T27	BLPT3827TP	1 27/32
T30	BLPT3830TP	1 27/32
T40	BLPT3840TP	2
T45	BLPT3845TP	2
T50	BLPT3850TP	2
T55	BLPT3855TP	2



BLPTL3845TP

TORX/Tamper Resistant, Long

#	Stock No.	A
T40	BLPTL3840TP	4 3/8
T45	BLPTL3845TP	4 3/8
T50	BLPTL3850TP	4 3/8

METRIC HEX BIT SOCKETS *Blue-Point*



BLPH3810

Hex, mm

mm	⬡	Length, mm
6	BLPH386	47
7	BLPH387	47
8	BLPH388	50.5
9	BLPH389	50.5
10	BLPH3810	50.5



BLPHL389

Hex Long, mm

mm	⬡	Length, mm
7	BLPHL387	80.5
8	BLPHL388	80.5
9	BLPHL389	80.5
10	BLPHL3810	80.5

HEX BIT SOCKETS *Blue-Point*



BLPH3814

Hex Standard, inches

⬡	⬡	A
7/32	BLPH38732	1 15/16
1/4	BLPH3814	1 15/16
5/16	BLPH38516	1 15/16
3/8	BLPH3838	1 15/16



BLPHL38516

Hex Long, inches

⬡	⬡	Length, inches
7/32	BLPHL38732	3 5/32
1/4	BLPHL3814	3 5/32
5/16	BLPHL38516	3 5/32
3/8	BLPHL3838	3 5/32

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

TRIPLE SQUARE SOCKET BIT SOCKETS Blue-Point®



BLPXZNM389

Triple Square, mm

mm	Stock No.	Set Contains: BLPXZNM389
4	BLPXZNM384	•
5	BLPXZNM385	•
6	BLPXZNM386	•
8	BLPXZNM388	•
10	BLPXZNM3810	•
12	BLPXZNM3812	•
14	BLPXZNM3814	•
16	BLPXZNM3816	•
18	BLPXZNM3818	•

Set shown includes storage tray

PHILLIPS® AND POZIDRIV® BIT SOCKETS *Blue-Point*

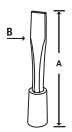


BLPP383



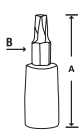
BLPPD383

Phillips



II	Stock No.	A
#3	BLPP383	1 27/32
#4	BLPP384	1 27/32

Pozidriv



Size	Stock No.	A
#3	BLPPD383	1 27/32
#4	BLPPD384	1 27/32

COMBINATION BIT SOCKETS *Blue-Point*



BLPTSSC43

BLPTSSC43 Set (43pc)

BLPTSSC43 Combination TORX® Socket and Bit Socket Set

	Stock No.	Size	Drive Size, inches
Torx Tamper-Resistant Long Bit Sockets	BLPTL146TP	T6	1/4
	BLPTL147TP	T7	1/4
	BLPTL148TP	T8	1/4
	BLPTL149TP	T9	1/4
	BLPTL1410TP	T10	1/4
	BLPTL1415TP	T15	1/4
	BLPTL1420TP	T20	1/4
	BLPTL1425TP	T25	1/4
	BLPTL1427TP	T27	1/4
	BLPTL1430TP	T30	1/4
	BLPTL3840TP	T40	3/8
	BLPTL3845TP	T45	3/8
	BLPTL3850TP	T50	3/8
	BLPTL1255TP	T55	1/2
	BLPTL1260TP	T60	1/2
	BLPTSSC43PB	Storage Case	

	Stock No.	Size	Drive Size, inches
External *Torx* Sockets	BLPTE144	E4	1/4
	BLPTE145	E5	1/4
	BLPTE146	E6	1/4
	BLPTE147	E7	1/4
	BLPTE148	E8	1/4
	BLPTE3810	E10	3/8
	BLPTE3812	E12	3/8
	BLPTE3814	E14	3/8
	BLPTE3816	E16	3/8
	BLPTE1218	E18	1/2
	BLPTE1220	E20	1/2
	BLPTE1222	E22	1/2
	BLPTE1224	E24	1/2
Torx Tamper-Resistant Bit Sockets	BLPT146TP	T6	1/4
	BLPT147TP	T7	1/4
	BLPT148TP	T8	1/4
	BLPT149TP	T9	1/4
	BLPT1410TP	T10	1/4
	BLPT1415TP	T15	1/4
	BLPT1420TP	T20	1/4
	BLPT1425TP	T25	1/4
	BLPT1427TP	T27	1/4
	BLPT1430TP	T30	1/4
	BLPT3840TP	T40	3/8
	BLPT3845TP	T45	3/8
	BLPT3850TP	T50	3/8
	BLPT1255TP	T55	1/2
	BLPT1260TP	T60	1/2

BLPHSSC30 Set (30pc)

	Stock No.	Size	Drive Size, inches		Stock No.	Size	Drive Size, inches
Hex, inches	BLPH1418	1/8"	1/4	Hex, mm	BLPH1425	2.5 mm	1/4
	BLPH14964	9/64"	1/4		BLPH386	6 mm	3/8
	BLPH14532	5/32"	1/4		BLPH387	7 mm	3/8
	BLPH14316	3/16"	1/4		BLPH388	8 mm	3/8
	BLPH14732	7/32"	1/4		BLPH389	9 mm	3/8
	BLPH1414	1/4"	1/4		BLPH3810	10 mm	3/8
	BLPH38732	7/32"	3/8		BLPH123	3 mm	1/2
	BLPH3814	1/4"	3/8		BLPH124	4 mm	1/2
	BLPH38516	5/16"	3/8		BLPH125	5 mm	1/2
	BLPH3838	3/8"	3/8		BLPH126	6 mm	1/2
	BLPH12716	7/16"	1/2		BLPH1210	10 mm	1/2
	BLPH1212	1/2"	1/2		BLPHM1212	12 mm	1/2
	BLPH12916	9/16"	1/2		BLPH1214	14 mm	1/2
	BLPH1258	5/8"	1/2		BLPH1217	17 mm	1/2
	BLPH1234	3/4"	1/2		BLPH1219	19 mm	1/2



BLPHSSC30

BLPHSSC30 Hex Bit Socket Set

BLPTHC87 Set (87pc)

	Stock No.	Size	Drive Size, inches		Stock No.	Size	Drive Size, inches
External *Torx* Sockets	BLPTE144	E4	1/4	Metric Hex Bit Sockets	BLPH1425	2.5 mm	1/4
	BLPTE145	E5	1/4		BLPH123	3 mm	1/2
	BLPTE146	E6	1/4		BLPH124	4 mm	1/2
	BLPTE147	E7	1/4		BLPH125	5 mm	1/2
	BLPTE148	E8	1/4		BLPH126	6 mm	1/2
	BLPTE3810	E10	3/8		BLPH386	6 mm	3/8
	BLPTE3812	E12	3/8		BLPH387	7 mm	3/8
	BLPTE3814	E14	3/8		BLPH388	8 mm	3/8
	BLPTE3816	E16	3/8		BLPH389	9 mm	3/8
	BLPTE1218	E18	1/2		BLPH3810	10 mm	3/8
	BLPTE1220	E20	1/2		BLPH1210	10 mm	1/2
	BLPTE1222	E22	1/2		BLPHM1212	12 mm	1/2
	BLPTE1224	E24	1/2		BLPH1214	14 mm	1/2
Torx Bit Sockets	BLPT146	T6	1/4		BLPH1217	17 mm	1/2
	BLPT147	T7	1/4		BLPH1219	19 mm	1/2
	BLPT148	T8	1/4	Long Metric Hex Bit Sockets	BLPHL144	4 mm	1/4
	BLPT149	T9	1/4		BLPHL145	5 mm	1/4
	BLPT1410	T10	1/4		BLPHL146	6 mm	1/4
	BLPT1415	T15	1/4		BLPHL387	7 mm	3/8
	BLPT1420	T20	1/4		BLPHL388	8 mm	3/8
	BLPT1425	T25	1/4		BLPHL389	9 mm	3/8
	BLPT1427	T27	1/4		BLPHL3810	10 mm	3/8
	BLPT1430	T30	1/4	Fractional Hex Bit Sockets	BLPH1418	1/8"	1/4
	BLPT3840	T40	3/8		BLPH14964	9/64"	1/4
	BLPT3845	T45	3/8		BLPH14532	5/32"	1/4
	BLPT3850	T50	3/8		BLPH14316	3/16"	1/4
	BLPT1255	T55	1/2		BLPH14732	7/32"	1/4
	BLPT1260	T60	1/2		BLPH1414	1/4"	1/4
Long *Torx* Bit Sockets	BLPTL146	T6	1/4		BLPH38732	7/32"	3/8
	BLPTL147	T7	1/4		BLPH3814	1/4"	3/8
	BLPTL148	T8	1/4		BLPH38516	5/16"	3/8
	BLPTL149	T9	1/4		BLPH3838	3/8"	3/8
	BLPTL1410	T10	1/4		BLPH12716	7/16"	1/2
	BLPTL1415	T15	1/4		BLPH1212	1/2"	1/2
	BLPTL1420	T20	1/4		BLPH12916	9/16"	1/2
	BLPTL1425	T25	1/4		BLPH1258	5/8"	1/2
	BLPTL1427	T27	1/4		BLPH1234	3/4"	1/2
	BLPTL1430	T30	1/4	Long Fractional Hex Bit Sockets	BLPHL1418	1/8"	1/4
	BLPTL3840	T40	3/8		BLPHL14532	5/32"	1/4
	BLPTL3845	T45	3/8		BLPHL14316	3/16"	1/4
	BLPTL3850	T50	3/8		BLPHL38732	7/32"	3/8
	BLPTL1255	T55	1/2		BLPHL3814	1/4"	3/8
	BLPTL1260	T60	1/2		BLPHL38516	5/16"	3/8
					BLPHL3838	3/8"	3/8



BLPTHC87

BLPTHC87 TORX® Sockets/*TORX* and Hex Bit Socket Set

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

GENERAL SERVICE SETS Blue-Point®



BLPPTEXT3



BLPPTA3438



BLPPTSM10



BPRFPT10



BLPPTSS3822

Pass Thru Socket Set

Size	Stock No.	External Hex, inches	Length, inches
8 mm	BLPPTSM8	3/4	1 7/16
9 mm	BLPPTSM9	3/4	1 7/16
10 mm	BLPPTSM10	3/4	1 7/16
11 mm	BLPPTSM11	3/4	1 7/16
12 mm	BLPPTSM12	3/4	1 7/16
13 mm	BLPPTSM13	3/4	1 7/16
14 mm	BLPPTSM14	3/4	1 7/16
15 mm	BLPPTSM15	3/4	1 7/16
16 mm	BLPPTSM16	3/4	1 7/16
17 mm	BLPPTSM17	3/4	1 7/16
18 mm	BLPPTSM18	3/4	1 7/16
19 mm	BLPPTSM19	3/4	1 7/16
3/8"	BLPPTS38	3/4	1 7/16
7/16"	BLPPTS716	3/4	1 7/16
1/2"	BLPPTS12	3/4	1 7/16
9/16"	BLPPTS916	3/4	1 7/16
5/8"	BLPPTS58	3/4	1 7/16
11/16"	BLPPTS1116	3/4	1 7/16
3/4"	BLPPTS34	3/4	1 7/16

BLPPTSS3822 Pass Thru Socket Set

Includes: BLPPTS38 through BLPPTS34 (3/8"–3/4") sockets, BLPPTSM8 through BLPPTSM19 (8 mm–19 mm) metric sockets, BLPPTA3438 square drive adaptor, BLPPTEXT3 extension and BPRFPT10 ratchet (22pc) in BLPPTSS3822PB storage case.

BPRFPT10 Ratchet
- Flex head has seven locking positions
- 3/4" hex drive, 10" long

BLPPTEXT3 Extension
- 3" extension

BLPPTA3438 Adaptor
- 3/8" square drive adaptor, 1 1/4" long



BLPGSSC100

BLPGSSC100 General Service Set

Components (1/4" drive):
- Ten fractional (3/16"–9/16") and 13 metric (4 mm–14 mm) standard sockets
- Six ratchet/socket accessories
- One ratchet

Components (3/8" drive):
- 13 fractional (1/4"–1") and 19 metric (6 mm–24 mm)
- 11 external TORX® sockets (E4–E20)
- Two spark plug sockets (5/8", 13/16")
- Five ratchet/socket accessories
- One ratchet

Components (Combination Wrenches):
- Nine fractional combination wrenches (1/4"–3/4")
- Ten metric combination wrenches (10 mm–19 mm)
- BLPGSSC100PB storage case

BLPGSSC155 General Service Set

Components (1/4" drive):

- Ten fractional (3/16"–9/16") and 13 metric (4 mm–14 mm) standard sockets
- Ten fractional (3/16"–9/16") and 11 metric (4 mm–14 mm) deep sockets
- 20 assorted 1/4" hex bits with bit holder
- Six ratchet/socket accessories
- One quick release ratchet

Components (3/8" Drive)

- 13 fractional (1/4"–1") and 19 metric (6 mm–24 mm) standard sockets
- 11 fractional (3/8"–1") and 15 metric (10 mm–24 mm) deep sockets
- 11 external TORX sockets (E4–E20)
- Two spark plug sockets (5/8", 13/16")
- Three metric hex socket drivers (7 mm, 8 mm, 10 mm)
- Four tamper resistant *TORX* socket drivers (T40, T45, T50, T55)
- Five ratchet/socket accessories
- One quick release ratchet
- BLPGSSC155PB storage case
- One Spinner Handle



BLPGSSC155

BLPGSS3837 General Service Set

Components (3/8" Drive):

- Eight fractional (5/16"–3/4") and 14 metric (6 mm–19 mm) standard six-point sockets
- Four fractional (5/16"–3/8", 7/16"–1/2", 9/16"–5/8", 11/16"–3/4") and 5 metric (10 mm–11 mm, 12 mm–13 mm, 14 mm–15 mm, 16 mm–17 mm, 18 mm–19 mm) double open end wrenches
- Two extensions: 3" and 6"
- One ratchet
- One universal joint
- Two adaptors: 1/4" f x 3/8" m, 3/8" f x 1/4" m
- BLPGSS3837PB storage box



BLPGSS3837

BLPGSS3885 General Service Set

Components (3/8" Drive):

- 13 fractional (1/4"–1") and 14 metric (6 mm–19 mm) standard sockets
- 13 fractional (1/4"–1") and 14 metric (6 mm–19 mm) deep sockets
- 11 external *TORX* sockets (E4–E20)
- One Phillips® socket drivers (#3 and #4)
- Two Pozidriv® socket drivers (#3 and #4)
- Eight tamper-resistant *TORX* socket drivers (T10–T45)
- Two spark plug sockets (5/8", 13/16")
- Six ratchet/socket accessories
- One ratchet
- BLPGSS3885PB storage case



BLPGSS3885

BLPGSS3849 General Service Set

Components (3/8" Drive):

- Eight fractional (5/16"–3/4") and 14 metric (6 mm–19 mm) standard 6-point sockets
- Eight fractional (5/16"–3/4") and 13 metric (7 mm–19 mm) deep 12-point sockets
- Two extensions (3" and 6")
- One universal joint
- 1 3/8"–1/4" adaptor
- 1 1/4"–3/8" adaptor
- One ratchet
- BLPGSS3849PB storage case



BLPGSS3849

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

ALWAYS READY FOR HEAVY-DUTY.

When your tools are asked to perform – under pressure, and on heavy-duty applications – you need them to answer the call. Every time, without fail, no questions asked. That's why we built Snap-on® 1/2" drive tools to rise to every big occasion no matter which type of heavy machinery you're working on – from agricultural tractors, to skip loaders, to pile drivers and more.

GOING TO THE EXTREME.

You want tough tools? We got 'em. *Snap-on* drive tools are put through rigorous testing under the most extreme conditions. And if they can perform under these circumstances, they'll perform for you.

RATCHET UP YOUR CHOICES.

At Snap-on, you can afford to be selective – because we offer the widest range of tools in the industry. With a ratchet line that includes flex-head and long handle.

TOOLS FOR LIFE.

All our tools are designed to fit, and built to last a lifetime. That's why we use cold-formed alloy steel in most of our drive tools: for strength and durability.



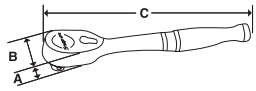


Dual 80® Technology Ratchets

Stop, Turn and Listen. A smoother, stronger ratchet. Try them to believe them.

***Dual 80* Technology Ratchets Feature:**

- 80-tooth gear
- Seven teeth in contact with gear to provide strength and durability
- Up to 25% less ratcheting arc to engage the next gear tooth
- Sealed head keeps dirt and other contaminants out of the head mechanism



Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
S80A	Standard Handle	80	4.5°	3/4	1 5/8	10 5/16	RKRS80A
GS80A	Industrial Finish	80	4.5°	3/4	1 5/8	10 5/16	RKRS80A
SH80A	Soft Grip Handle	80	4.5°	3/4	1 5/8	12	RKRS80A
SL80A	Long Handle	80	4.5°	3/4	1 5/8	15	RKRS80A
SHL80A	Soft Grip Long Handle	80	4.5°	3/4	1 5/8	16 5/8	RKRS80A
SF80A*	Standard Flex Head	80	4.5°	3/4	1 5/8	17 11/16	RKRS80A
SHF80A*	Soft Grip Flex Head	80	4.5°	3/4	1 5/8	17 11/16	RKRS80A
SLF80A*	Long Flex Head	80	4.5°	3/4	1 5/8	24 13/16	RKRS80A
SHLF80A*	Soft Grip Long Flex Head	80	4.5°	3/4	1 5/8	25 3/4	RKRS80A
SX80B**	Locking Flex Head	80	4.5°	3/4	1 5/8	17 5/8	RKRS80A
SLX80A**	Long Locking Flex Head	80	4.5°	3/4	1 5/8	24 13/16	RKRS80A

ASME®/ANSI® B107.10
*Uses RKRSX936JT Flex Joint Repair Kit
**Uses RKRSX80AJT Flex Joint Repair Kit and RKRSX80ALM Locking Mechanism Repair Kit
SH936-12 Soft Grip Replacement Handle.

⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

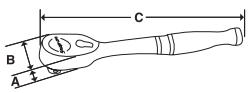
RATCHETS



Dual 80® Technology Ratchets

Stop, Turn and Listen. A smoother, stronger ratchet. Try them to believe them.

***Dual 80* Technology Ratchets Feature:**



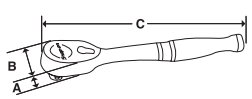
- 80-tooth gear
- Seven teeth in contact with gear to provide strength and durability
- Up to 25% less ratcheting arc to engage the next gear tooth
- Sealed head keeps dirt and other contaminants out of the head mechanism

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
SHX80B**	Soft Grip Locking Flex Head	80	4.5°	3/4	1 5/8	18 1/2	**RKRS80A**
SHLX80A**	Soft Grip Long Locking Flex Head	80	4.5°	3/4	1 5/8	25 3/4	**RKRS80A**
SKF80A*†	Stubby Handle	80	4.5°	3/4	1 5/8	7 9/16	**RKRS80A**

ASME®/ANSI® B107.10
*Uses RKRSX936JT Flex Joint Repair Kit
**Uses RKRSX80AJT Flex Joint Repair Kit and RKRSX80ALM Locking Mechanism Repair Kit
SH936-12 Soft Grip Replacement Handle.
†*ASME/ANSI* B107.10 with exception of the length.



Dual 80 Technology Quick Release Ratchets



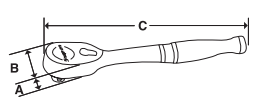
- Quick release button for rapid socket/accessory changes, even with greasy or oily hands
- Contoured handle for comfort and control
- Chrome finish for easy cleanup

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
SR80A	Standard Handle	80	4.5°	3/4	1 5/8	10 5/16	**RKRSR80A**
SHR80A	Soft Grip Handle	80	4.5°	3/4	1 5/8	10 5/16	**RKRSR80A**
SHRLF80A*	Soft Grip Long Flex Head	80	4.5°	3/4	1 5/8	25 3/4	**RKRSR80A**

ASME/ANSI B107.10
*Uses RKRSX936JT Flex Joint Repair Kit.
SH936-12 Soft Grip Replacement Handle.



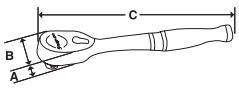
Dual 80 Technology FOD (Foreign Object Damage) Ratchet



- Designed to help prevent foreign object damage in sensitive work environments
- Coverplate and reverse lever permanently affixed to ratchet head with rivets to prevent chance of small parts debris

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C
S80AFOD	Standard Handle	80	4.5°	3/4	1 5/8	10 5/16

ASME/ANSI B107.10





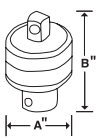


Special Application Ratchets

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
SA936A	Scaffold	36	10°	4 3/16	1 5/8	10 5/16	**RKRSA936**
GSP936	Spud	36	10°	3/4	1 5/8	15 5/8	**RKRGSP936-1**

ASME®/ANSI® B107.10

GSP936 Spud Ratchet
The "spud" ratchet is ideal for lining up holes in scaffolding and other construction jobs. A long reverse lever provides easy reversing even while wearing heavy work gloves. Locking button retention. Taper diameter is 3/16"–7/8". Taper length is 8".

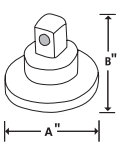




Ratchet Adaptor

Stock No.	Description	Gear Teeth	Swing Arc	A	B	Repair Kit
S77A	Ratchet Adaptor	20	18°	1 5/8	3	**RKRS77**

ASME/ANSI B107.10





Ratchet Spinner

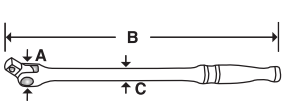
Stock No.	Description	A	B
LRS70A	Ratchet Spinner	1 3/4	1 5/8

ASME/ANSI B107.10











Breaker Bars

Stock No.	Description	A	B	C	Repair Kit
SN15B	Standard Handle	1 1/8	15	11/16	**RKBB3**
SN18B	Standard Handle	1 1/8	18	11/16	**RKBB3**
GSN18B	Standard Handle, Industrial Finish	1 1/8	18	11/16	**RKBB3**
SN24C	Standard Handle	1 1/8	24	11/16	**RKBB3**

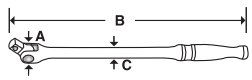
ASME/ANSI B107.10

⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

BREAKER BARS





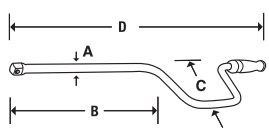
Breaker Bars

Stock No.	Description	A	B	C	Repair Kit
SHBB24	Standard Handle	1 1/8	24	11/16	**RKBB3**
SN25A	45° Offset Square	1 1/8	24	11/16	**RKBB5**
SN36	Standard Handle	1 1/4	36	3/4	**RKBB4**
SHN36	Soft Grip Handle	1 1/4	36 5/8	3/4	**RKBB4**

ASME®/ANSI® B107.10
SH936-12 Soft Grip Replacement Handle.

DRIVE HANDLES





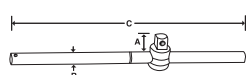
Speeders

Stock No.	A	B	C	D
S4	1/2	7	4 3/8	4 3/8
SN4B*	5/8	6 3/8	3	3
SL4	1/2	7 3/8	4 7/16	4 7/16
N8323	1/2	18 1/16	8 1/2	8 1/2

ASME/ANSI B107.10
*Uses RKBB3 Repair Kit.

SL4 Locking Speeder
• Sliding collar and locking pin for better socket retention





Sliding T-Handle

Stock No.	A	B	C
S12L	1 11/16	5/8	12

ASME/ANSI B107.10



GSXK5





305ASX

Extensions

Set Contains: 305ASX

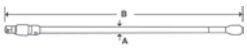
Stock No.	Industrial Stock No.	A	B	
SX2	–	5/8	2 1/8	•
SXK3	GSXK3	5/8	3 1/2	•
SXK5	GSXK5	5/8	5	•
SXK8	–	5/8	8	•
SXK10	–	5/8	10	
SXK11	GSXK11	5/8	11	•
SX15	–	5/8	15	
SX20	–	5/8	20	
SX24	–	5/8	24	
SX36	–	5/8	36	

ASME®/ANSI® B107.10M

Set includes storage tray



303SXKL



Quick Release (Locking)

Set Contains: 303SXKL

Stock No.	A	B	
SXKL3	21/32	3	•
SXKL5	21/32	5	•
SXKL10	21/32	10	•

SXKLP Locking Pins (5pk)
SXKLRK FXKL Series Repair Kit



GSXWK5





305ASXW

Wobble

- Provides 16° of additional accessibility
- Knurled shanks for easy fingertip turning

Set Contains: 305ASXW

Stock No.	Industrial Stock No.	A	B	
SXW2*	GSXW2	5/8	2	•
SXWK3	–	5/8	3 1/2	•
SXWK5	GSXWK5	5/8	5	•
SXWK8	–	5/8	8	•
SXWK11	GSXWK11	5/8	11	•

*Not Knurled
ASME/ANSI B107.10

Set shown includes storage tray



305SXWP

Wobble Plus

- Provides 16° of additional accessibility
- Usable in wobble and rigid functionality
- Knurled shanks for easy fingertip turning

Set Contains: 305SXWP

Stock No.	A	B	
SXWP2*	5/8	2	•
SXWP3	5/8	3	•
SXWP5	5/8	5	•
SXWP8	5/8	8	•
SXWP11	5/8	11	•

*Not Knurled
ASME/ANSI B107.10

Set shown includes storage tray

⚠WARNING

- Do not use "cheater bars" on handles
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

EXTENSIONS



303SXWKL



Locking Wobble Set

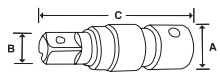
- Provides 16° of additional accessibility
- Quick release locking sleeve provides secure connection and easy socket removal
- Knurled release collar for easy one-hand operation, even with slippery hands

Stock No.	A	B	Set Contains: 303SXWKL
SXWKL3	21/32	3	•
SXWKL5	21/32	5	•
SXWKL8	21/32	8	•

Set shown includes storage tray



GALX3



Locking Adaptor

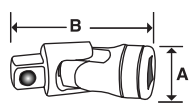
Stock No.	A	B	C
GALX3	1/2	1/2	3 1/8

ASME®/ANSI® B107.10

SOCKET/RATCHET ACCESSORIES



S8 GU8



Universal Joints

Stock No.	Industrial Stock No.	A	B
S8	GU8	15/16	2 11/16

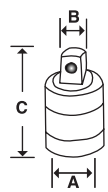
ASME/ANSI B107.10M

103UFTS Combination Drive Universal Joint Set

- Includes 1/4" drive TMU8B, 3/8" drive FU8A and 1/2" drive S8
- Three pieces in storage tray



A2A GLA12B



Adaptors

Stock No.	Industrial Stock No.	A	B	C
A2A	A2A	3/8	1/2	1 5/16
GSAF1F	GSAF1F	1/2	3/8	1 13/16
GAF2A	GAF2A	3/8	1/2	1 5/16
GLA12B	GLA12B	1/2	3/4	1 7/8
GLAS1F	GLAS1F	3/4	1/2	2 7/16

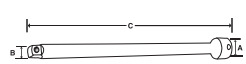
ASME/ANSI B107.10M

1206GS Combination Drive Adaptor Set

- Includes 1/4" drive GFAT1E and TA3 adaptors, 3/8" drive A2A and GSAF1F adaptors and 1/2" drive GLA12B and GLAS1E adaptors (six pieces) in storage tray



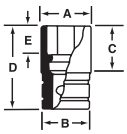
GAX12



Extension Adaptors

Stock No.	Retention Type	A	B	C
GAX5	Ball Type	1/2	3/8	5
GAX12	Ball Type	1/2	3/8	12
GAX24	Ball Type	1/2	3/8	23 1/4
GAX36	Ball Type	1/2	3/8	36

ASME/ANSI B107.10M





SWM241



310TWMYA

Shallow, mm

Set Contains:								310TWMYA	313TWMYA	323TWM	310SWMYA	313SWMYA	323SWM*
mm	6	12	A	B	C	D	E	6	6	6	12	12	12
10	TWM10A	SWM101A	15.0	23.2	22.2	38.1	7.9	•		•	•		•
11	TWM11A	SWM111A	16.6	23.2	22.2	38.1	8.7	•		•	•		•
12	TWM12A	SWM121A	18.2	23.2	22.2	38.1	9.5	•	•	•	•	•	•
13	TWM13A	SWM131A	19.0	23.2	22.2	38.1	10.3	•	•	•	•	•	•
14	TWM14A	SWM141A	20.6	23.2	22.2	38.1	10.3	•	•	•	•	•	•
15	TWM15A	SWM151A	22.2	22.2	22.2	38.1	10.3	•	•	•	•	•	•
16	TWM16	SWM161	23.8	22.2	22.2	38.1	11.9	•	•	•	•	•	•
17	TWM17	SWM171	24.6	23.2	22.2	38.1	12.7	•	•	•	•	•	•
18	TWM18	SWM181	25.4	23.8	21.4	38.1	14.2	•	•	•	•	•	•
19	TWM19	SWM191	26.3	24.8	21.3	38.1	13.9	•	•	•	•	•	•
20	TWM20	SWM201	26.7	26.1	21.2	38.1	14.0		•	•		•	•
21	TWM21	SWM211	28.3	27.5	21.1	38.1	14.0		•	•		•	•
22	TWM22	SWM221	29.9	28.6	20.9	38.1	14.2		•	•		•	•
23	TWM23	SWM231	31.2	29.9	20.8	38.1	14.5		•	•		•	•
24	TWM24	SWM241	32.5	30.9	22.2	38.8	15.8		•	•		•	•
25	TWM25	SWM251	33.3	31.7	22.2	38.8	15.8			•			•
26	TWM26	SWM261	34.9	33.3	23.8	41.2	15.8			•			•
27	TWM27	SWM271	36.5	34.9	25.4	42.8	17.4			•			•
28	TWM28	SWM281	38.1	36.5	26.9	44.4	17.4			•			•
29	TWM29	SWM291	39.3	38.0	26.1	44.5	17.8			•			•
30	TWM30	SWM301	41.0	39.6	26.1	44.5	18.5			•			•
31	TWM31	SWM311	42.5	41.2	29.1	47.6	19.1			•			•
32	TWM32	SWM321	42.5	41.2	28.9	47.6	19.8			•			•

Sets shown include storage tray unless noted

*Does not include storage tray



SW241



313TWYA

Shallow, inches

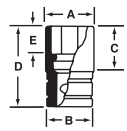
Set Contains:											313TWYA	314GTWYA	313SWYA
	6	12	6	12	A	B	C	D	E	6	6	12
3/8	TW121A	SW121A	GTW121A	GSW121A	19/32	29/32	7/8	1 1/2	5/16	•	•	•
7/16	TW141A	SW141A	GTW141A	GSW141A	11/16	29/32	7/8	1 1/2	11/32	•	•	•
1/2	TW161A	SW161A	GTW161A	GSW161A	3/4	29/32	7/8	1 1/2	13/32	•	•	•
9/16	TW181A	SW181A	GTW181A	GSW181A	13/16	29/32	7/8	1 1/2	13/32	•	•	•
5/8	TW201	SW201	GTW201	GSW201	15/16	7/8	7/8	1 1/2	15/32	•	•	•
11/16	TW221	SW221	GTW221	GSW221	31/32	29/32	7/8	1 1/2	1/2	•	•	•
3/4	TW241	SW241	GTW241	GSW241	1 1/32	31/32	7/8	1 1/2	9/16	•	•	•
13/16	TW261	SW261	GTW261	GSW261	1 1/8	1 1/16	7/8	1 1/2	9/16	•	•	•
7/8	TW281	SW281	GTW281	GSW281	1 3/16	1 1/8	7/8	1 1/2	25/32	•	•	•
15/16	TW301	SW301	GTW301	GSW301	1 9/32	1 7/32	27/32	1 17/32	3/4	•	•	•
1	TW321	SW321	GTW321	GSW321	1 11/32	1 9/32	7/8	1 9/16	3/4	•	•	•
1 1/16	TW341	SW341	GTW341	GSW341	1 7/16	1 3/8	1 1/16	1 11/16	3/4	•	•	•
1 1/8	TW361	SW361	GTW361	GSW361	1 1/2	1 7/16	1 31/32	1 3/4	1 3/16	•	•	•
1 3/16	TW381	SW381	–	GSW381	1 5/8	1 9/16	1 1/8	1 3/4	3/4			
1 1/4	TW401	SW401	GTW401	GSW401	1 11/16	1 5/8	1 1/4	1 7/8	3/4		•	
1 5/16	TW421	SW421	–	GSW421	1 3/4	1 11/16	1 1/4	1 7/8	1			
1 3/8	TW441	SW441	–	GSW441	1 13/16	1 3/4	1 7/16	2 1/16	1			
1 7/16	TW461	SW461	–	–	1 15/16	1 7/8	1 5/8	2 1/4	1			
1 1/2	TW481	SW481	–	GSW481	2	1 15/16	1 5/8	2 1/4	1			

Sets shown include storage tray

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

FLANK DRIVE® SOCKETS





TSM20



313TSMYA

Deep, mm

mm	6	12	A	B	C	D	E	Set Contains: 313TSMYA 6	310TSM 6	313SMYA 12
10	TSM10A	SM10A	15.0	23.2	66.7	82.6	7.9		•	
11	TSM11	SM11A	16.6	23.2	66.7	82.6	8.7			
12	TSM12A	SM12B	18.2	23.2	66.7	82.6	9.5	•	•	•
13	TSM13A	SM13A	19.0	23.2	66.7	82.6	10.3	•	•	•
14	TSM14A	SM14A	20.6	23.2	66.7	82.6	10.3	•	•	•
15	TSM15A	SM15A	22.2	22.2	66.7	82.6	10.3	•	•	•
16	TSM16	SM16	23.8	22.2	51.0	82.6	11.9	•	•	•
17	TSM17	SM17	24.6	23.2	51.0	82.6	12.7	•	•	•
18	TSM18	SM18	25.4	23.8	51.0	82.6	14.3	•	•	•
19	TSM19	SM19	26.3	24.6	52.5	82.6	14.2	•	•	•
20	TSM20	SM20	26.7	26.1	58.5	82.6	14.0	•	•	•
21	TSM21	SM21	28.3	27.5	58.5	82.6	14.0	•		•
22	TSM22	SM22	29.9	28.6	58.5	82.6	14.2	•		•
23	TSM23	SM23	31.2	29.9	58.0	82.6	14.5	•		•
24	TSM24	SM24	32.5	30.9	50.0	82.6	15.8	•		•
25	TSM25	SM25	33.3	31.7	50.0	82.6	15.8			
26	TSM26	SM26	34.9	33.3	50.0	82.6	15.8			
27	TSM27	SM27	36.2	34.9	50.0	82.6	17.5			
28	TSM28	SM28	37.8	36.5	50.0	82.6	17.5			
29	TSM29	SM29	39.3	38.0	64.3	82.6	17.8			
30	TSM30	SM30	41.0	39.6	64.0	82.6	18.5			
31	TSM31	SM31	42.5	41.2	64.0	82.6	19.1			
32	TSM32	SM32	42.5	41.2	63.8	82.6	19.8			

Sets shown include storage tray



S241



GS201



313TSYA

Deep, inches

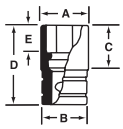
	6	12	6	12	A	B	C	D	E	Set Contains: 313TSYA 6	313GTSYA 6	313SYA 12
3/8	TS121A	S121A	GTS121A	–	19/32	29/32	2 5/8	3 1/4	5/16	•	•	•
7/16	TS141A	S141A	GTS141A	–	3/4	29/32	2 5/8	3 1/4	11/32	•	•	•
1/2	TS161A	S161A	GTS161A	GS161A	3/4	29/32	2 5/8	3 1/4	13/32	•	•	•
9/16	TS181A	S181A	GTS181A	GS181A	13/16	29/32	2 5/8	3 1/4	13/32	•	•	•
5/8	TS201	S201	GTS201	GS201	15/16	7/8	1 31/32	3 1/4	15/32	•	•	•
11/16	TS221	S221	GTS221	GS221	31/32	29/32	1 31/32	3 1/4	1/2	•	•	•
3/4	TS241	S241	GTS241	GS241	1 1/32	31/32	2 5/8	3 1/4	9/16	•	•	•
25/32	–	S251	–	–	1 1/16	1 1/32	2 1/8	3 1/4	5/8			
13/16	TS261	S261	GTS261	GS261	1 1/8	1 1/16	2 5/8	3 1/4	9/16	•	•	•
7/8	TS281	S281	GTS281	GS281	1 3/16	1 1/8	2 5/8	3 1/4	9/16	•	•	•
15/16	TS301	S301	GTS301	GS301	1 9/32	1 7/32	1 31/32	3 1/4	3/4	•	•	•
1	TS321	S321	GTS321	GS321	1 11/32	1 9/32	1 31/32	3 1/4	3/4	•	•	•
1 1/16	TS341	S341	GTS341	GS341	1 7/16	1 3/8	1 31/32	3 1/4	3/4	•	•	•
1 1/8	TS361	S361	GTS361	GS361	1 1/2	1 7/16	1 31/32	3 1/4	1 3/16	•	•	•
1 3/16	TS381	S381	GTS381	GS381	1 5/8	1 9/16	2 5/8	3 1/4	1 3/16			
1 1/4	TS401	S401	GTS401	GS401	1 11/16	1 5/8	2 5/8	3 1/4	1			
1 5/16	TS421	S421	–	–	1 3/4	1 11/16	2 9/16	3 1/4	1			
1 3/8	TS441	S441	–	–	1 13/16	1 3/4	2 9/16	3 1/4	1			
1 7/16	TS461	S461	–	–	1 15/16	1 7/8	2 5/8	3 1/4	1			
1 1/2	TS481	S481	–	–	2	1 15/16	2 5/8	3 1/4	1 1/16			

ASME®/ANSI® B107.1

Sets shown include storage tray

Semi Deep, inches

	12	A	B	C	D	E
3/8	SDH121	19/32	7/8	13/16	1 1/2	9/32
7/16	SDH141	11/16	29/32	13/16	1 1/2	11/32
1/2	SDH161	3/4	29/32	13/16	1 1/2	3/8
9/16	SDH181	27/32	29/32	13/16	1 1/2	13/32
5/8	SDH201	29/32	7/8	13/16	1 1/2	15/32
11/16	SDH221	31/32	15/16	1 1/16	1 3/4	1/2
3/4	SDH241	1 1/16	1 1/32	1 1/16	1 3/4	19/32
13/16	SDH261	1 1/8	1 3/32	1 1/16	1 3/4	21/32
7/8	SDH281	1 3/16	1 5/32	1 1/8	1 3/4	23/32
15/16	SDH301	1 9/32	1 1/8	1 5/32	1 13/16	23/32
1	SDH321	1 11/32	1 5/16	1 7/32	1 7/8	3/4
1 1/16	SDH341	1 7/16	1 13/32	1 7/32	1 15/16	3/4
1 1/8	SDH361	1 1/2	1 15/32	1 1/4	1 31/32	25/32
1 3/16	SDH381	1 9/16	1 17/32	1 5/16	2	25/32
1 1/4	SDH401	1 9/16	1 17/32	1 9/32	2 1/32	13/16
1 5/16	SDH421	1 21/32	1 5/8	1 5/16	2 1/32	27/32





SDH201



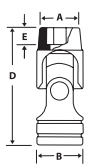
320TSWMA

320TSWMA Metric 6-Point Shallow/Deep Set
Includes TWM10A–TWM19 shallow sockets and TSM10A–TSM20 deep sockets (20pc) (10 mm–20 mm).

Universal, inches

	6	A	B	D	E
9/16	SU18	27/32	15/16	2 7/16	11/32
5/8	SU20	15/16	15/16	2 15/32	3/8
11/16	SU22	1 1/16	1 1/16	2 9/16	7/16
13/16	SU26	1 3/16	1 1/8	2 15/16	9/16
3/4	SU24	1 1/8	1 1/8	2 7/8	1/2
7/8	SU28	1 1/4	1 1/8	2 15/16	9/16
15/16	SU30	1 5/16	1 1/8	3	9/16

ASME®/ANSI® B107.10M



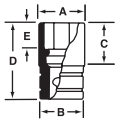


SU24

TORX® SOCKETS

✸ *TORX*/Shallow

#	Stock No.	A	B	D
E14	SLE140	21/32	7/8	1 1/2
E16	SLE160A	23/32	27/32	1 1/2
E18	SLE180A	27/32	7/8	1 1/2
E20	SLE200A	15/16	7/8	1 1/2
E24	SLE240	1 1/16	1	1 1/2





213AFLEY

213AFLEY Combination Drive Shallow *TORX* Set
Includes 1/4" drive TLE40A–LE100A, 3/8" drive FLE110A–FLE140A and 1/2" drive SLE160A–SLE240 (13pc) (E4–E24).

✸ TORX Plus® with Countersink

- SLEPL series of *TORX Plus* sockets with shallow countersink are designed for use on external *TORX Plus* low-profile head fasteners so the user can fully engage the fastener head
- For removal and installation of low profile drive plate and flywheel bolts on QR25 Nissan® motors with automatic transmissions
- It is similar to the J-45816 *Nissan* specialty tool
- For flywheel bolts on QR25 *Nissan* motors with manual transmissions, use the 3/8" drive FTX50TPE male T50 *TORX Plus* Socket

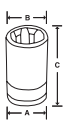


SLEPL200



GSLEPL200

#	Stock No.	Industrial Stock No.	A	B	C
20EP	SLEPL200	GSLEPL200	15/16	11/16	1 1/2



⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

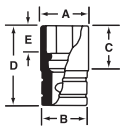
SPLINE SOCKETS

Snap-on® spline wrenching tools have been developed to service high tensile strength spline nuts and bolts widely used on both military and commercial aircraft. Precise, radial spline teeth engage the fastener teeth over a wider area to minimize stress, and allow application of high torque to reduce risk of damage to the fastener or to the tool.

Chrome tools comply with Military Spec. MS-33787 and MIL-W-8982. The unique spline wrenching configuration can also be used on ordinary six- and 12-point fasteners with an advantage similar to the *Snap-on* Flank Drive® wrenching system.



SES181



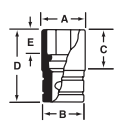
Shallow, inches

		Stock No.	A	B	C	D	E
#16	1/2	SES161	23/32	55/64	5/8	1 19/64	29/64
#18	9/16	SES181	53/64	55/64	5/8	1 19/64	15/32
#20	5/8	SES201	57/64	57/64	55/64	1 35/64	35/64
#22	11/16	SES221	31/32	31/32	27/32	1 35/64	37/64
#24	3/4	SES241	1 3/64	31/32	53/64	1 35/64	37/64
#26	13/16	SES261	1 1/8	1 1/8	13/16	1 35/64	37/64
#28	7/8	SES281	1 3/16	1 1/8	51/64	1 35/64	37/64
#30	15/16	SES301	1 17/64	1 17/64	49/64	1 35/64	37/64

SPECIAL APPLICATION SOCKETS



SW420



Double Square, inches

	Stock No.	A	B	C	D	E
3/8	SW412	23/32	7/8	7/8	1 1/2	5/16
7/16	SW414	51/64	7/8	7/8	1 1/2	3/8
1/2	SW416	29/32	7/8	7/8	1 1/2	13/32
9/16	SW418	31/32	29/32	7/8	1 1/2	7/16
5/8	SW420	1 1/16	1	7/8	1 1/2	1/2
11/16	SW422	1 3/16	1 1/8	7/8	1 1/2	1/2
3/4	SW424	1 9/32	1 3/16	7/8	1 1/2	9/16
13/16	SW426	1 7/16	1 3/8	1	1 5/8	5/8
7/8	SW428	1 1/2	1 7/16	1 1/8	1 3/4	5/8
15/16	SW430	1 5/8	1 9/16	1 1/8	1 13/16	11/16
1	SW432	1 11/16	1 5/8	1 1/4	1 7/8	11/16

ASME®/ANSI® B107.1



WH290

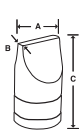


Weatherhead®, inches

	Stock No.	A	B
7/8	WH280	1 3/8	1 13/16
29/32	WH290	1 7/16	1 13/16
15/16	WH300	1 1/2	1 13/16



A26A



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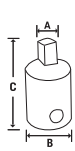
Stock No.	A	B	C
A26A	3/4	.109	1 11/16
A17A	15/16	.150	1 11/16
A15A	1 3/16	.150	1 11/16



PPM516A

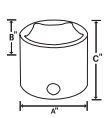


Pipe Plug, inches

Stock No.	A	B	C
PPM516A	1/2	15/16	1 7/16



B2191



Flank Drive Pentagon

Stock No.	A	B	C
B2191	1 1/8	1/2	1 1/16

B2191 Pentagon Socket
Services recessed five-point nuts found on tamper-resistant Buffalo covers used by gas, electric and water companies to protect shutoff gates.

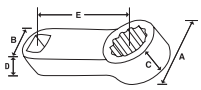
TORQUE ADAPTORS

Standard, inches

- Manufactured from special alloy steel
- Precision forged and heat treated for optimum strength and durability
- Double hex (12-point) configuration allows socket to engage single hex fastener every 30° rather than every 60°, allowing for better access in restricted areas
- Design features radius edges which will resist damage/nicks
- Center-to-center length on adaptor for easy torque calculations
- Larger sizes feature thicker construction for strength

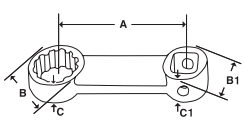


SRDH341



Working Torque, in-lb		12	A	B	C	D	E
4,312	1	**SRDH321**	1.458	1.040	19/32	19/32	3
3,564	1 1/16	**SRDH341**	1.563	1.032	19/32	19/32	2
5,192	1 1/8	**SRDH361**	1.641	1.040	19/32	19/32	3
5,600	1 1/4	**SRDH401**	1.823	1.040	19/32	19/32	3
5,600	1 3/8	**SRDH441**	2.00	1.040	19/32	19/32	3

SPLINE TORQUE ADAPTORS



Snap-on® spline wrenching tools have been developed to service high tensile strength spline nuts and bolts widely used on both military and commercial aircraft. Precise, radial spline teeth engage the fastener teeth over a wider area to minimize stress, and allow application of high torque to reduce risk of damage to the fastener or to the tool. Chrome tools comply with Military Spec. MS-33787 and MIL-W-89823. The unique spline wrenching configuration can also be used on ordinary six- and 12-point fasteners with an advantage similar to the *Snap-on* Flank Drive® wrenching system.

Spline, inches

#		Stock No.	Working Torque, in-lb	A	B-B1	C-C1	SRES306
#18	9/16	**SRES18**	2,275	3	.818–1.04	13/32–1/2	•
#20	5/8	**SRES20**	2,450	3	.900–1.04	1/2–1/2	•
#22	11/16	**SRES22**	2,975	3	.989–1.04	1/2–1/2	•
#24	3/4	**SRES24**	3,500	3	1.08–1.04	1/2–1/2	•
#26	13/16	**SRES26**	4,410	3	1.16–1.04	1/2–1/2	•
#28	7/8	**SRES28**	4,900	3	1.26–1.04	1/2–1/2	•
#30	15/16	**SRES30A**	6,000	3	1.26–1.04	37/64–37/64	



SRES306

TORX® BIT SOCKETS

TORX Plus® fasteners may be found in almost all vehicles from the 1999 model year to present. Common applications include GM® transmissions bell housing bolts and Ford® seat belt anchors. Use of a standard *TORX* driver on *TORX Plus* fasteners may result in a rounded out fastener head or damaged driver.



STX70E



STXL55E

K1820A



STX60TPE

TORX/Standard

#	Stock No.	A	B
T55	**STX55E**	2 9/16	**FTX55E2**
T60	**STX60E**	3 11/32	**STX60E2**
T70	**STX70E**	3 1/2	**STX70E2**

TORX/Long

	Stock No.	A	B
T50	**STXL50E**	4 5/8	**STXL50E2**
T55	**STXL55E**	4 5/8	**STXL55E2**
T60	**STXL60E**	4 5/8	**STXL60E2**
T70	**K1820A**	5 3/8	**K1820A2**

TORX Plus

#	Stock No.	A	B
45IP	**STX45TPE**	2 9/16	**FTX45TPE2**
45IP	**STX50TPE**	2 43/64	**STX50TPE2**
55IP	**STX55TPE**	2 3/4	**FTX55TPE2**
60IP	**STX60TPE**	3 9/32	**STX60TPE2**

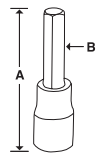
⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

METRIC HEX BIT SOCKETS



307ESAMY



Hex/Standard, mm

mm		A	B	Set Contains: 307ESAMY
6	SAM6E	60.5	FAM6E2	•
8	SAM8E	62.0	FAM8E2	•
10	SAM10E	62.8	SAM10E2	•
12	SAM12E	81.0	SAM12E2	•
14	SAM14E	81.0	SAM14E2	•
16	SAM16E	95.2	SAM16E2	
17	SAM17E	93.7	SAM17E2	•
19	SAM19E	103.1	SAM19E2	•

Set includes magnetic storage tray



SAM12LE

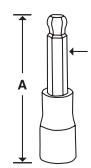
Hex/Long, mm

mm		A	B
10	SAM10LE	152.4	SAM10LE2
12	SAM12LE	98.0	SAM12LE2

SAM12LE Applications: Essential for removal or installation of bolt found on the lower forks of 2006 and newer Harley-Davidson® Dyna series. Used when servicing the internal parts of the fork.



SABLM12E

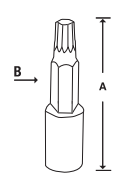


Ball Hex/Long, mm

mm		A	B
12	SABLM12E	137.1	SABLM12E2



SADMI0E



Double Hex, mm

Double Hex socket drivers and Triple Square socket drivers cannot be interchanged between applications. Triple square socket drivers have 90° corners. Double hex socket drivers have 120° corners. Using a Triple Square tool in a Double Hex application will strip the bolt head. In general, Triple Square tools are used on European vehicles and Double Hex tools are used on Asian vehicles.

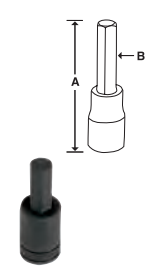
mm		A	B
10	SADM10E	100.0	SADM10E2

SADM10E Applications: Removal/installation of head bolts on Toyota® Highlander®, 4Runner®, Camry®, Matrix®, Corolla® and Lexus® IS300, GS300, SC300 vehicles.

HEX BIT SOCKETS



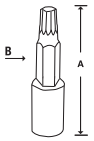
307ESAY



GSA10E

Hex/Standard, inches

			A	B	Set Contains: 307ESAY
5/16	SA10E	GSA10E	2 3/8	FA10E2	•
3/8	SA12E	GSA12E	2 1/2	SA12E2	•
7/16	SA14E	GSA14E	2 7/8	SA14E2	•
1/2	SA16E	GSA16E	3 1/16	SA16E2	•
9/16	SA18E	GSA18E	3 3/16	SA18E2	•
5/8	SA20E	GSA20E	3 11/32	LAW120E2	•
3/4	SA24E	GSA24E	4 1/16	LAW124E2	•



Double Hex socket drivers and Triple Square socket drivers cannot be interchanged between applications. Triple square socket drivers have 90° corners. Double hex socket drivers have 120° corners. Using a Triple Square tool in a Double Hex application will strip the bolt head. In general, Triple Square tools are used on European vehicles and Double Hex tools are used on Asian vehicles.



TSS7KIT



STSM10LE

Triple Square, mm

mm		Stock No.	A	B	Set Contains: TSS7KIT
Standard Length	10	STSM10E	88.9	STSM10E2	•
	12	STSM12E	109.5	STSM12E2	•
	14	STSM14E	108.0	STSM14E2	•
	16	STSM16E*	108.0	STSM16E2	•
	18	STSM18E	108.0	STSM18E2	•
Long	10	STSM10LE	156.3	STSM10LE2	
	12	STSM12LE	147.6	STSM12LE2	

*Tamper resistant

Set shown includes storage tray

Applications:

STSM12E Metric Triple Square Driver
(12 mm, 1/2" drive) Remove and install cylinder head bolts on Mercedes®, rear toe adjustment on 1999 and newer Audi® A6®, and axle shaft bolts on new VW® vehicles.

STSM14E Metric Triple Square Driver
Applications include 2003 and later *VW* Touareg front axle bolts, 2003 and later Porsche® Cayenne® front axle bolts, various *Audi*/*VW* axle bolts plus *Audi* TT differential mount bolts and transmission drain plugs.

STSM18E Metric Triple Square Driver
Applications include removing and installing rear axle bolts of 2006 *VW* Jetta® and Golf® vehicles.

STSM16E Metric Triple Square Driver
Applications include *Audi* TT Clutch and Belly Pan, various *VW*/*Audi* transmission drain plugs (tamper resistant), 2003 and later *VW* Touareg® front and rear brake caliper bolts, 2003 and later *Porsche Cayenne* brake caliper bolts, plus Detroit Diesel® flywheel bolts and front crank pulley on 900 and 4000 engines and head bolts on 900 engines.

STSM10LE Metric Triple Square Driver Applications
- *Audi* TT Axle Bolts
- Use on head bolts of these *Audi* engines, 2004 to present:

–V6 2.8L (two valves per cylinder) – V8 4.2L
–V6 2.7L (five valves per cylinder) –1.8L Turbo



305STSMSE

Triple Square/Stubby, mm

mm	Stock No.	A	B	Set Contains: 305STSMSE
10	STSM10SE	59.4	STSM10SE2	•
12	STSM12SE	59.4	STSM12SE2	•
14	STSM14SE	63.2	STSM14SE2	•
16	STSM16SE	68.1	STSM16SE2	•
18	STSM18SE	69.8	STSM18SE2	•

STSM10SE Used for cylinder head bolts, drive shaft bolts and various other applications on *VW*, *Audi* and *Mercedes* vehicles.

STSM12SE Access exhaust manifold bolts on DD15 and *Mercedes* 900/4000 engines. Also for the back of the turbo and some oil pans. Head bolts and axle shaft bolts on *VW*, *Audi* and *Mercedes* vehicles.

STSM14SE Brake caliper bolts on *VW*, *Jetta*, Rabbit®, Passat®, EOS® and Tiquan. There is limited room due to the control arm in the way when backing out the fastener.

STSM16SE *VW* and *Audi* transmission and differential plug. *Porsche Cayenne* brake caliper bolts.

STSM18SE Rear axle bolts on *Volkswagen Jetta* and *Golf* vehicles.

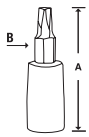
⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

SPECIAL APPLICATION BIT SOCKETS



SPDL10E



Polydrive Head Bolt, mm

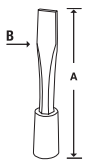
mm	Stock No.	Description	A	B
10	**SPDL10E**	#10 Polydrive Head Bolt Socket Driver	159	**SPDL10E2**

SPDL10E Bit Socket
Use to remove and install #10 Polydrive cylinder head bolts on 1998 and later VW®/Audi® vehicles with five-valve motors.

FLAT TIP AND PHILLIPS® TIP BIT SOCKETS



SW32E

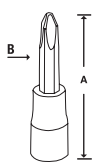


— Flat Tip / Standard

	Stock No.	A	B
7/16 x .050	**SW28E**	3 1/16	**SW28E2A**
1/2 x .075	**SW32E**	3 1/16	**SW32E2A**
5/8 x .093	**SW40E**	3 1/4	**SW40E2A**



SP32E



✚ *Phillips*/Standard

	Stock No.	A	B
#3	**SP32E**	2 3/16	**SP32E2**
#4	**SP42E**	2 5/16	**SP42E2**

IMPACT DRIVERS AND SETS



PIT3120EB



PIT160

Impact Driver Set

Includes:

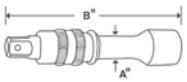
Stock No.	Description
PIT160	Impact Driver
A26A	Drag Link Socket
SA10E	5/16" Hex Head Driver
SA12E	1/2" Drive, 3/8" Hex Driver
SA14E	1/2" Drive, 7/16" Hex Driver
SA16E	1/2" Hex Head Driver
SA18E	9/16" Hex Head Driver
SA20E	5/8" Hex Head Driver
SP32E	*PHILLIPS* Driver
SP42E	*PHILLIPS* Driver
SW28E	7/16" x .05" Socket Driver
SW32E	1/2" x .075" Socket Driver
KRA142B	Metal Box

PIT160 This 1/2" drive unit delivers cam action impact when struck with a hammer.

PIT3120EB Impact Driver Set
PIT160 impact driver plus sockets and socket drivers (12pc) in KRA142B metal box.

Locking Extensions

- Ideal for use on transmission bellhousing bolts, transaxle and suspension service
- Pull back collar for fast and easy attachment and removal of sockets
- Knurled release collar also provides for easy one-hand operation
- Single body construction for maximum strength and locking mechanism specifically for impact use
- Female drive end recessed to accommodate newer style impact guns



Stock No.	A	B	Set Contains: 303IMXL	303AIMXL
IMXL32	5/8	3 1/2	•	
IMXL52	5/8	5	•	
IMXL102	5/8	10	•	
IMXL182	5/8	18		•
IMXL242	5/8	24		•
IMXL312	5/8	31		•

Sets include storage tray



303IMXL



Impact Extensions–Snap Ring Retention

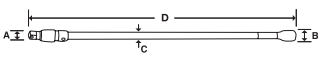
Stock No.	A	B
IMX32B	5/8	3
IMX52	21/32	5 3/32
IMX112	21/32	11 1/4

304IMX Impact Extension Set

- Includes IMX32B, IMX52 and IMX112 Extensions (3", 5 3/32", 11 1/4") plus IP80D Universal Joint (four pieces) in storage tray



304IMX



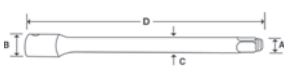
Locking Adaptors

- Quick release locking sleeve at 3/8" drive end provides a secure connection plus easy socket removal

Stock No.	A	B	C	D
IMSFXL18	3/8	1/2	21/32	18
IMSFXL24	3/8	1/2	21/32	24
IMSFXL33	3/8	1/2	21/32	33



IMSFXL18

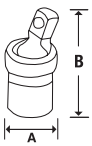


Adaptor

Stock No.	A	B	C	D
IMXA42	3/8	1/2	1/2	4



IMXA42



Universal Joints (Impact)

Stock No.	Socket Attachment	A	B
IP80D	Pin Type	1 1/4	2 3/4
IP800	Ball Type	1 1/4	2 3/4

202IP Combination Universal Joint Set Set includes storage tray

Includes IPF800B (3/8" drive) and IP80D (1/2" drive) Impact Swivel Universal Joints.

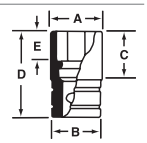


202IP

⚠WARNING

- Do not use chrome plated tools with impact drivers
- Read safety precautions on pages W1 to W4

FLANK DRIVE® IMPACT SOCKETS





IMDM150A



315IMMYA

Shallow, mm

mm	6	12	A	B	C	D	E	Set Contains: 315IMMYA 6	312IMM 6	310IMMYA 6	315IMDMYA 12
10	IMM100A	IMDM100A	15.0	22.6	22.2	38.1	7.9	•		•	•
11	IMM110A	IMDM110A	18.2	22.6	22.2	38.1	8.7	•		•	•
12	IMM120A	IMDM120A	19.0	24.3	22.2	38.1	9.5	•		•	•
13	IMM130A	IMDM130A	20.6	24.3	22.2	38.1	10.3	•		•	•
14	IMM140A	IMDM140A	22.2	24.3	22.2	38.1	10.3	•		•	•
15	IMM150A	IMDM150A	23.8	26.4	22.2	38.1	10.3	•	•	•	•
16	IMM160A	IMDM160A	24.6	26.4	22.2	38.1	11.9	•	•	•	•
17	IMM170A	IMDM170A	25.4	26.7	22.2	38.1	12.7	•	•	•	•
18	IMM180	IMDM180	26.7	26.7	19.1	38.1	12.7	•	•	•	•
19	IMM190	IMDM190	28.3	28.3	21.3	38.1	12.7	•	•	•	•
20	IMM200	IMDM200	29.9	29.9	21.1	38.1	14.2	•	•		•
21	IMM210	IMDM210	31.5	31.5	21.0	38.1	14.2	•	•		•
22	IMM220	IMDM220	33.3	33.3	21.4	38.1	15.9	•	•		•
23	IMM230	IMDM230	34.1	34.1	27.8	44.5	15.9	•	•		•
24	IMM240	IMDM240	34.9	34.9	27.8	44.5	15.9	•	•		•
25	IMM250	–	29.8	29.8	27.0	44.5	15.9		•		
26	IMM260	–	38.1	38.1	33.3	50.8	15.9				
27	IMM270	IMDM270	39.4	39.4	27.1	50.8	20.3		•		
29	IMM290	–	41.1	41.1	33.3	50.8	21.1				
30	IMM300	–	42.7	42.7	32.1	50.8	21.6				
32	IMM320	IMDM320	45.8 (45.7)	45.8 (45.7)	32.1 (36.8)	50.8	22.4 (20.6)				
34	IMM340	–	47.6	42.9	40.5	52.4	22.4				
36	IMM360	IMDM360	50.5 (50.8)	45.8 (46.0)	40.5 (41.3)	57.2	22.4 (22.2)				
39	–	IMDM390	53.8	39.6	36.8	50.8	22.3				
41	–	IMDM410	55.6	40.5	31.8	51.6	22.2				
46	IMM460	–	64.8	47.6	50.3	69.9	29.7				

Dimensions in () apply to 12-point sockets only.

Sets include storage tray

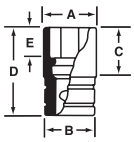
IMDM270 Applications: Use for servicing Inner Rack and Pinion Nuts on BMW® X5® and X6® vehicles

IMDM320 Applications: Service axle nuts on Mercedes-Benz® W140 chassis 1992–1999 SC and SL Class, Porsche® Boxster®, Cayenne® and 944 plus *BMW* X3®, *X5* and *X6* Series 2007 vehicles and later. Other uses include drive shaft nuts on VW® Touareg® vehicles 2003 and later.

IMDM360 Applications: Use to remove pinion nuts on 2003 GM® and 2004 Dodge® trucks with 11.5 AAM axles. Other used include Duramax® diesel front crankshaft bolts and late model *BMW* axle shafts.

IMDM390 Applications: Use on front axle hub of 2007 Toyota® Tundra.

IMDM410 Applications: For removing and installing the lower ball joint on 2013 to current *BMW* 5 and 7 series vehicles.





311IMYA



IMD200

Shallow, inches

Set Contains:								311IMYA	313IMD	307IMDYA
11	6	12	A	B	C	D	E	6	12	12
3/8	IM120A	IMD120A	19/32	29/32	7/8	1 1/2	5/16	•	•	•
7/16	IM140A	IMD140A	23/32	29/32	7/8	1 1/2	11/32	•	•	•
1/2	IM160A	IMD160A	13/16	29/32	7/8	1 1/2	13/32	•	•	•
9/16	IM180A	IMD180A	7/8	29/32	7/8	1 1/2	13/32	•	•	•
5/8	IM200	IMD200	15/16	1	7/8	1 1/2	15/32	•	•	•
11/16	IM220	IMD220	1 1/16	1 1/16	3/4	1 1/2	1/2	•	•	•
3/4	IM240	IMD240	1 1/8	1 1/8	3/4	1 1/2	1/2	•	•	•
13/16	IM260	IMD260	1 1/4	1 1/4	3/4	1 1/2	1/2	•	•	
7/8	IM280	IMD280	1 5/16	1 5/16	13/16	1 1/2	9/16	•	•	
15/16	IM300	IMD300	1 3/8	1 3/8	1 1/16	1 3/4	3/4	•	•	
1	IM320	IMD320	1 7/16	1 7/16	1 1/16	1 3/4	3/4	•	•	
1 1/16	IM340	–	1 9/16	1 9/16	1	2	13/16			
1 1/8	IM360	IMD360	1 5/8	1 5/8	1	2	13/16		•	
1 3/16	IM380	–	1 11/16	1 1/2	1 3/32	2	13/16			
1 1/4	IM400	IMD400	1 3/4	1 1/2	1 5/32	2	13/16		•	
1 5/16	IM420H	–	1 7/8	1 1/2	1 3/8	2	7/8			
1 3/8	IM440	–	1 15/16	1 1/2	1 3/8	2	7/8			
1 7/16	IM460	–	2	1 1/2	1 3/8	2	15/16			
1 1/2	IM480	–	2 1/8	1 9/16	1 3/8	2	15/16			
1 9/16	IM500	–	2 1/4	1 5/8	1 11/16	2 5/16	15/16			

Sets shown include storage tray



312IMMS



IMMS240

Semi Deep, mm

Set Contains:						312IMMS
mm	6	A	B	D	E	6
15	IMMS150	23.7	23.7	55.9	10.7	•
16	IMMS160	24.4	24.4	55.9	11.9	•
17	IMMS170	25.3	25.3	55.9	11.2	•
18	IMMS180	26.8	26.8	55.9	12.7	•
19	IMMS190	28.5	28.5	55.9	14.2	•
20	IMMS200	30.0	30.0	55.9	14.2	•
21	IMMS210	31.6	31.6	55.9	14.2	•
22	IMMS220	33.2	33.2	60.4	14.2	•
23	IMMS230	34.0	34.0	60.4	16.2	•
24	IMMS240	34.9	34.9	60.4	15.5	•
25	IMMS250	36.3	36.3	60.4	16.2	•
27	IMMS270	39.6	39.6	60.4	20.3	•

Set shown includes storage tray

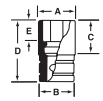
⚠WARNING

• Read safety precautions on pages W1 to W4

FLANK DRIVE® IMPACT SOCKETS



315SIMMYA



Deep, mm

Set Contains:	305SIMMY	310SIMMYA	310SIMMADDON	312SIMM	315SIMMYA	325SIMM	312SIMDM
mm	6	6	6	6	6	6	12

mm	6	12	A	B	C	D	E							
10	SIMM100A	SIMDM100	15.0	23.2	66.7	82.6	7.9		•			•	•	
11	SIMM110A	SIMDM110	18.2	23.2	66.7	82.6	8.7		•			•	•	
12	SIMM120A	SIMDM120	19.0	23.2	66.7	82.6	9.5		•			•	•	
13	SIMM130A	SIMDM130	20.6	23.2	66.7	82.6	10.3		•			•	•	
14	SIMM140A	SIMDM140	22.2	23.2	66.7	82.6	10.3		•			•	•	
15	SIMM150A	SIMDM150	23.8	23.8	50.0	82.6	10.3		•		•	•	•	•
16	SIMM160A	SIMDM160	24.6	24.6	50.0	82.6	11.9		•		•	•	•	•
17	SIMM170	SIMDM170	25.1	25.1	57.9	82.6	11.2		•		•	•	•	•
18	SIMM180	SIMDM180	26.7	26.7	61.0	82.6	12.7		•		•	•	•	•
19	SIMM190	SIMDM190	28.3	28.3	61.0	82.6	14.2		•		•	•	•	•
20	SIMM200	SIMDM200	29.9	29.9	61.0	82.6	14.2				•	•	•	•
21	SIMM210	SIMDM210	31.5	31.5	61.0	82.6	14.2				•	•	•	•
22	SIMM220	SIMDM220	33.1	33.1	71.6	88.9	15.7				•	•	•	•
23	SIMM230	SIMDM230	33.1	33.1	64.3	88.9	15.9				•	•	•	•
24	SIMM240	SIMDM240	34.9	34.9	63.5	88.9	15.9				•	•	•	•
25	SIMM250	SIMDM250	36.3	36.3	63.5	88.9	15.9			•	•		•	•
26	SIMM260	–	37.9	37.9	71.0	88.9	19.8			•			•	
27	SIMM270	SIMDM270	39.4	39.4	71.0	88.9	20.3			•	•		•	•
28	SIMM280A	–	41.0	41.0	71.0	88.9	20.8							
29	SIMM290	SIMDM290	41.3	41.3	71.6	88.9	21.3	•		•			•	
30	SIMM300	SIMDM300	42.9	42.9	71.6	88.9	21.6	•		•			•	
32	SIMM320	SIMDM320	45.8	45.8	71.6	88.9	22.4			•			•	
33	SIMM330	SIMDM330	46.0	46.0	72.8	88.9	22.4			•			•	
34	SIMM340	SIMDM340	49.3	49.3	72.8	88.9	22.6	•		•			•	
35	SIMM350	SIMDM350	50.8	50.8	72.8	88.9	22.9	•		•			•	
36	SIMM360	SIMDM360	50.8	50.8	72.8	88.9	22.9	•		•			•	

Sets shown include storage tray



313SIMA

Deep, inches

Set Contains:	309SIMYA	313SIMA	320SIM*	313SIMD
11	6	6	6	12

11	6	12	A	B	C	D	E				
3/8	SIM120A	–	19/32	29/32	2 5/8	3 1/4	5/16			•	
7/16	SIM140A	–	23/32	29/32	2 5/8	3 1/4	11/32			•	
1/2	SIM160A	SIMD160A	13/16	29/32	2 5/8	3 1/4	3/8	•	•	•	•
9/16	SIM180A	SIMD180A	7/8	29/32	2 5/8	3 1/4	13/32	•	•	•	•
5/8	SIM200	SIMD200A	31/32	29/32	2 5/8	3 1/4	15/32	•	•	•	•
11/16	SIM220	SIMD220A	1 1/16	1 1/16	2 5/8	3 1/4	1/2	•	•	•	•
3/4	SIM240	SIMD240A	1 1/8	1 1/8	2 5/8	3 1/4	9/16	•	•	•	•
13/16	SIM260	SIMD260A	1 1/4	1 1/4	2 5/8	3 1/4	19/32	•	•	•	•
7/8	SIM280	SIMD280A	1 5/16	1 5/16	2 3/32	3 1/2	9/16	•	•	•	•
15/16	SIM300	SIMD300A	1 3/8	1 3/8	2 3/32	3 1/2	3/4	•	•	•	•
1	SIM320	SIMD320A	1 7/16	1 7/16	2 7/8	3 1/2	3/4	•	•	•	•
1 1/16	SIM340	SIMD340A	1 9/16	1 9/16	2 11/16	3 1/2	25/32		•	•	•
1 1/8	SIM360	SIMD360A	1 5/8	1 5/8	2 11/16	3 1/2	25/32		•	•	•
1 3/16	SIM380	SIMD380A	1 11/16	1 1/2	2 11/16	3 1/2	25/32		•	•	•
1 1/4	SIM400	SIMD400A	1 3/4	1 1/2	2 11/16	3 1/2	1		•	•	•
1 5/16	SIM420H	–	1 7/8	1 1/2	2 11/16	3 1/2	15/16			•	
1 3/8	SIM440	–	2	1 1/2	2 11/16	3 1/2	15/16			•	
1 7/16	SIM460	–	2	1 1/2	2 21/32	3 1/2	15/16			•	
1 1/2	SIM480	–	2 1/8	1 9/16	2 5/8	3 1/2	15/16			•	
1 9/16	SIM500	–	2 1/4	1 5/8	2 5/8	3 1/2	15/16			•	
1 5/8	SIM520	–	2 3/8	1 3/4	2 7/8	3 1/2	15/16				

Sets shown include storage tray unless noted
*Does not include storage tray



Shallow Thin Wall, inches



311IMFSY

Set Contains: 311IMFSY

	6	A	B	C	D	E	6
3/8	IMFS120	19/32	7/8	3/8	1 1/2	7/32	•
7/16	IMFS140	11/16	7/8	9/16	1 1/2	11/32	•
1/2	IMFS160	3/4	7/8	5/8	1 1/2	3/8	•
9/16	IMFS180	13/16	7/8	11/16	1 1/2	13/32	•
5/8	IMFS200	29/32	29/32	3/4	1 1/2	15/32	•
11/16	IMFS220	1	1	13/16	1 1/2	1/2	•
3/4	IMFS240	1 1/16	1 1/16	13/16	1 1/2	1/2	•
13/16	IMFS260	1 1/8	1 1/8	25/32	1 1/2	1/2	•
7/8	IMFS280	1 7/32	1 7/32	29/32	1 1/2	9/16	•
15/16	IMFS300	1 5/16	1 5/16	1 3/16	1 17/32	3/4	•
1	IMFS320	1 3/8	1 3/8	1 3/16	1 9/16	3/4	•
1 1/16	IMFS340	1 7/16	1 7/16	1 1/4	1 11/16	13/16	
1 1/8	IMFS360	1 1/2	1 1/2	1 1/4	1 3/4	13/16	
1 3/16	IMFS380	1 5/8	1 5/8	1 1/4	1 3/4	13/16	
1 1/4	IMFS400	1 11/16	1 11/16	1 1/4	1 7/8	13/16	
1 5/16	IMFS420	1 3/4	1 3/4	1 1/4	1 7/8	13/16	
1 3/8	IMFS440	1 13/16	1 13/16	1 1/4	2 1/16	13/16	
1 7/16	IMFS460	1 29/32	1 29/32	1 3/8	2 1/16	13/16	
1 1/2	IMFS480	2	2	1 3/8	2 1/16	13/16	

Set shown includes storage tray

Extra Deep, mm

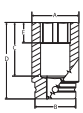


SIMML180

mm	6	A	B	C	D	E
15	SIMML150	23.2	26.4	110.2	127.0	10.7
18	SIMML180	26.8	26.8	54.8	127.0	12.7
21	SIMML210	31.6	31.6	108.0	127.0	14.2

SIMML180 6-Point Metric Extra Deep Impact Socket

- Remove and install the fuel tank hold down strap on International® 4400 chassis. The fuel tank must be removed to replace the fuel sending unit
- 5" long to reach through the frame to access the fastener without the need of an extension



Deep Thin Wall, mm



SIMM360TW

mm	Stock No.	A	B	C	D	E
36	SIMM360TW	47.2	44.5	70.4	88.9	22.9

SIMM360TW Axle Nut Socket

- Thin wall design provides the extra room needed to remove and install the axle nut on a Chevrolet® Sonic vehicles



SIML200

Extra Deep, inches

- Use for removing or replacing fuel tank retaining strap nuts
- Also has applications on emergency brake adjustment nuts and stabilizer retainers

	6	A	B	C	D	E
1/2	SIML160*	25/32	15/16	4 1/4	5	3/8
9/16	SIML180	7/8	15/16	4 1/4	5	13/32
5/8	SIML200	31/32	1	4 1/4	5	15/32
11/16	SIML220	1 1/16	1 1/16	4 1/4	5	1/2
3/4	SIML240	1 1/8	1 1/8	4 1/4	5	9/16
13/16	SIML260	1 1/4	1 1/4	4 1/4	5	19/32
7/8	SIML280	1 5/16	1 5/16	4 1/4	5	21/32
15/16	SIML300	1 3/8	1 3/8	4 1/4	5	23/32
1	SIML320	1 7/16	1 7/16	4 3/8	5	3/4
1 1/16	SIML340	1 9/16	1 9/16	4 3/8	5	25/32
1 1/8	SIML360	1 5/8	1 5/8	4 3/8	5	25/32

*ASME®/ANSI® B107.2



SIMMF21A

Extra Deep/Thin Wall, mm

Sockets are 34% thinner than a standard thin wall socket. Use to access nut on long studs and other hard-to-reach areas. Ideal for wheel lugs.

mm	6	A	B	C	D	E
14	SIMMF14A	20.6	23.8	50.8	76.2	25.4
17	SIMMF17A	23.8	23.8	50.8	76.2	25.4
19	SIMMF19A	25.4	25.4	50.8	76.2	25.4
21	SIMMF21A	28.6	28.6	50.8	76.2	25.4
22	SIMMF22A	30.2	30.2	50.8	76.2	25.4

⚠WARNING

• Read safety precautions on pages W1 to W4

FLANK DRIVE® IMPACT SWIVEL SOCKETS



307IPLMY



IPDLM12

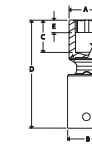
Shallow Swivel, mm

mm	6	12	A	B	D	E	307IPLMY Set Contains: 6	312IPLM Set Contains: 6
10	IPLM10C	–	15.6	23.8	73.7	9.7		•
11	IPLM11C	–	17.8	23.8	73.7	9.7		•
12	IPLM12C	IPDLM12	18.9	23.8	73.7	9.7		•
13	IPLM13C	IPDLM13A	19.7	23.8	73.7	8.6		•
14	IPLM14C	–	21.3	23.8	73.7	8.6	•	•
15	IPLM15C	–	22.6	23.8	73.7	8.6	•	•
16	IPLM16C	IPDLM16A	24.1	30.2	77.8	10.4		•
17	IPLM17C	IPDLM17A	25.6	30.2	77.7	10.4	•	•
18	IPLM18C	IPDLM18A	26.7	30.2	77.7	10.4	•	•
19	IPLM19C	–	28.3	30.2	77.7	11.2	•	•
21	IPLM21C	–	31.5	30.2	77.7	12.7	•	•
22	IPLM22C	–	33.1	30.2	77.8	14.2		
24	IPLM24C	–	34.8	30.2	81.0	15.0	•	•

Sets shown include storage tray



307IPLY



Shallow Swivel, Inches

	6	12	A	B	D	E	307IPLY Set Contains: 6	312IPL Set Contains: 6
1/2	IPL16C	IPDL16	25/32	1 1/16	2 29/32	11/32		•
9/16	IPL18C	–	7/8	1 1/16	2 29/32	11/32	•	•
5/8	IPL20C	IPDL20	31/32	1 1/16	2 31/32	11/32	•	•
11/16	IPL22C	–	1 1/16	1 1/4	3 1/16	7/16	•	•
3/4	IPL24C	–	1 1/8	1 1/4	3 1/16	15/32	•	•
13/16	IPL26C	–	1 3/16	1 1/4	3 1/16	1/2		•
7/8	IPL28C	–	1 9/32	1 1/4	3 7/32	9/16	•	•
15/16	IPL30C	–	1 11/32	1 1/4	3 7/32	5/8	•	•
1	IPL32C	–	1 11/32	1 1/4	3 3/16	11/16		•
1 1/16	IPL34C	–	1 7/16	1 1/4	3 7/32	23/32		•
1 1/8	IPL36C	–	1 9/16	1 1/4	3 11/32	3/4	•	•
1 3/16	IPL38C	–	1 9/16	1 1/4	3 3/8	3/4		•
1 1/4	IPL40C	–	1 5/8	1 1/4	3 7/16	13/16		
1 5/16	IPL42C	–	1 3/4	1 1/4	3 7/16	7/8		

Sets shown include storage tray



IPSM21

Semi Deep Swivel, mm

mm	6	A	B	C	D	E
15	IPSM15	23.0	25.1	—	86.4	12.4
18	IPSM18	26.5	31.5	—	89.1	12.7
21	IPSM21	30.0	31.5	33.8	89.2	12.7
22	IPSM22	32.4	31.5	—	89.1	12.7

IPSM21 Metric Semi Deep Impact Swivel Socket
Designed for GM® and Ford® upper control arm bolts. Welded pivot pin reinforces socket wall and allows full 30° of uninterrupted smooth action for efficient power transfer at any angle.



SIP18A

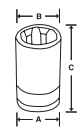
Deep Swivel, inches

	6	A	B	D	E
9/16	SIP18A	13/16	1 3/16	3 13/16	11/32
3/4	SIP24A	1 1/32	1 3/16	4 1/4	7/16

SPECIAL APPLICATION IMPACT SOCKETS



IMSLE240



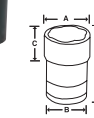
TORX®, Impact

#	Stock No.	A	B	D
E18	IMSLE180	29/32	29/32	1 1/2
E20	IMSLE200	15/16	15/16	1 1/2
E24	IMSLE240	1 1/16	1 1/16	1 1/2

IMSLE240 *TORX* Impact Socket
- Front axle nut on M, C, E and S class Mercedes® vehicles



305TTWYA



Twist/Shallow, inches

Removes rounded/damaged fasteners

	Stock No.	A	B	C	D
3/4	TTWY241A	1 1/32	1	1	1 5/8
13/16	TTWY261A	1 1/8	1	1	1 5/8
7/8	TTWY281A	1 3/16	1 1/16	1	1 5/8
15/16	TTWY301A	1 1/4	1 3/16	1	1 5/8
1	TTWY321A	1 5/16	1 1/4	1	1 5/8

305TTWYA Shallow Twist Set
TTWY241A–TTWY321A (5pc) (3/4"–1").

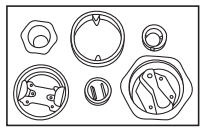


SPS10

Shackle Pin

Designed with an oval configuration to service shackle pins on International Harvester® and Kenworth® semi trucks.

SPS10 41/64" x 1 3/32" x 1 3/4" long.
SPS11 21/32" x 1 17/32" x 1 3/4" long.

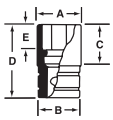




A172A

Drum Plug Socket

A172A One socket removes virtually all screw-in drum plugs or caps large or small. Spring loaded inner wrench handles smaller plugs and recesses automatically when removing large plugs. Use with a 1/2" drive ratchet or impact wrench.





DPSM16

Shallow 10 pt., mm

mm	10	A	B	D	E
16	DPSM16	24.6	24.6	38.1	11.9

DPSM16 Shallow Impact Socket

- The DPSM16 is for removing the rear lower control arm bolts on 2001 and newer Honda® Civic® and Acura® RSX vehicles
- Forged from tough alloy steel
- Heat treated to a lower hardness to add impact resistance and ductility



S6324

Crank Shaft Bolt Impact Socket, mm

S6324 Crank Shaft Bolt Socket

- For removing and installing crank shaft bolts on Audi® A4®, A6® and A8® vehicles
- Socket is 1/2" drive 24 mm and overall length is 2" which is critical to the crank shaft bolt application
- Manufactured from special alloy steel
- Precision forged and heat treated for optimum strength and durability
- Flank Drive® wrenching system grips fastener on the flanks/flats increasing torque by 15%–20% while preventing the fastener from rounding and increasing the life of the socket

POWER ACCESSORIES

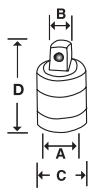




PS2

Lock Button Retention Extensions

Stock No.	A	B
PS2	5/8	2
PS3	5/8	3 1/2
PS5	5/8	5
PS10	5/8	10

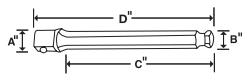




PA2A

Adaptors (Power)

Stock No.	Socket Attachment	A	B	C	D
PA2A	Pin Type	3/8	1/2	3/4	1 5/16
PA4E	Pin Type	1/2	3/8	15/16	1 13/16





A3011A

Hex Shank (Power)

Stock No.	Socket Attachment	A	B	C	D
A3011A	Pin Type	1/2	7/16	1 1/4	2 3/4

⚠WARNING

- Do not use chrome or industrial finish power tools with impact drivers
- Do not use industrial finish power tools with impact drivers
- Read safety precautions on pages W1 to W4

POWER SOCKETS



SPM19



P412



SIPR426

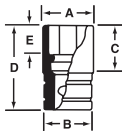


SIPRL436



MPK121A

Flank Drive® Deep, mm



mm	6	A	B	C	D	E
17	SPM17	24.6	24.6	66.6	82.6	12.7
19	SPM19	26.4	26.4	64.8	82.6	11.9
21	SPM21	28.3	28.3	64.8	82.6	12.3

Shallow Double Square, inches

	8	A	B	C	D	E
3/8	P412	13/32	7/8	7/8	1 1/2	5/16
7/16	P414	13/16	15/16	7/8	1 1/2	3/8
1/2	P416	29/32	1	7/8	1 1/2	5/16
9/16	P418	1	1 1/8	7/8	1 1/2	1/2
5/8	P420	1 3/32	1 3/16	7/8	1 1/2	1/2
11/16	P422	1 7/32	1 1/4	7/8	1 1/2	13/32
3/4	P424	1 5/16	1 3/8	7/8	1 1/2	9/16
13/16	P426	1 7/16	1 7/16	7/8	1 1/2	5/8
7/8	P428	1 1/2	1 1/2	1 1/32	1 3/4	5/8
1	P432	1 23/32	1 3/4	1 1/8	1 3/4	3/4

Deep Double Square, inches

	8	A	B	C	D	E
13/16	SIPR426	1 7/16	1 3/8	2 9/16	3 1/4	5/8
1	SIPR432	1 3/4	1 1/2	2 11/16	3 1/2	3/4
1 1/8	SIPR436	1 15/16	1 51/64	2 23/32	3 1/2	27/32

Extra Deep Double Square, inches

	8	A	B	C	D	E
1 1/8	SIPRL436	1 15/16	1 1/2	4 13/32	5	27/32

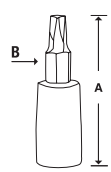
Flank Drive/Magnetic, inches

	6	A	B	D	E
3/8	MPK121A	19/32	7/8	1 1/2	1/8
7/16	MPK141A	11/16	7/8	1 1/2	5/32
1/2	MPK161A	25/32	15/16	1 1/2	5/32
9/16	MPK181A	7/8	15/16	1 1/2	5/32

POWER BIT SOCKETS



PFTX50E



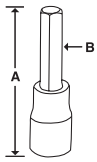
TORX®/Power Drivers

#	Stock No.	A	B
T45	PSTX45E	2 7/16	FTX45E2
T50	PSTX50E	2 7/16	FTX50E2
T50	PSTX500E*	2 7/16	FTX500E2
T55	PSTX55E	2 7/16	FTX55E2

*GM® Style

Hex, inches (Power)

		A	B
5/16	PSA10E	2 7/16	FA10E2
3/8	PSA12E	2 9/16	SA12E2
7/16	PSA14E	2 7/8	SA14E2
1/2	PSA16E	3 1/16	SA16E2
9/16	PSA18E	3 1/8	SA18E2
5/8	PSA20E	3 7/16	LAW120E2
3/4	PSA24E	4 1/16	LAW124E2



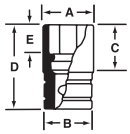


PSA10E

SURFACE DRIVE SOCKETS

Surface Drive Shallow, mm

mm	6	A	B	C	D	E
15	DTM15A	22.3	22.9	21.3	38.1	10.7





DTM15A

Surface Drive Deep, mm

Surface drive sockets will engage with a fastener while rotating on a power nut runner.

mm	6	A	B	C	D	E
13	DTSM13A	19.3	21.8	65.8	82.6	10.2
15	DTSM15A	22.3	21.8	65.8	82.6	10.7



DTSM13A

Surface Drive Deep, inches

	6	A	B	C	D	E
1/2	DTS16A	3/4	29/32	2 19/32	3 1/4	13/32
9/16	DTS18A	13/16	29/32	2 19/32	3 1/4	13/32



DTS16A

Surface Drive (M-Series)

- Snap-on® M-Series sockets offer a precise fit, optimum hardness and durability, and ring-groove and pin hole for use on a variety of industrial fastening applications
- M-Series sockets also feature surface drive technology to ensure a long service life

mm	6	A	B	C	D	E
11	M3111	16.6	23.6	19.1	38.1	8.1
13	M3113	22.0	23.6	19.1	38.1	9.7
15	M3115	23.6	23.6	21.3	38.1	12.4
15	M3215	23.6	23.6	40.4	57.2	12.4
18	M3118	28.4	28.4	21.3	38.1	11.2



M3115

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

GENERAL SERVICE SETS



344AMB

344AMB Fractional Chrome General Service Set 44 pcs, Includes:

12-Point Shallow Sockets		12-Point Deep Sockets	
3/8	SW121A	1/2	S161A
7/16	SW141A	9/16	S181A
1/2	SW161A	5/8	S201
9/16	SW181A	11/16	S221
5/8	SW201	3/4	S241
11/16	SW221	13/16	S261
3/4	SW241	7/8	S281
13/16	SW261	15/16	S301
7/8	SW281	1	S321
15/16	SW301	1 1/16	S341
1	SW321	1 1/8	S361
1 1/16	SW341		
1 1/8	SW361		
1 3/16	SW381		
1 1/4	SW401		
1 5/16	SW421		

6-Point Universal Sockets Set	307SUY	9/16"–15/16" (7 pcs)
Also Includes:	LRS70A	1 19/32" Ratchet Spinner
	S4	18 7/8" Speeder
	S8	2 11/16" Universal Joint
	S12L	12" Sliding T-Handle
	S77A	Ratcheting Adaptor
	S80A	Sealed Ratchet
	SN18B	18" Breaker Bar
	SX2	2" Extension
	SXK5	5" Knurled Extension
	SXK11	11" Knurled Extension



360MB

360MB Fractional Chrome General Service Set in KRA21G Metal Box 59 pcs, Includes:

12-Point Shallow Sockets		6-Point Deep Sockets		12-Point Deep Sockets	
3/8	SW121A	1/2	TS161A	1/2	S161A
7/16	SW141A	9/16	TS181A	9/16	S181A
1/2	SW161A	5/8	TS201	5/8	S201
9/16	SW181A	11/16	TS221	11/16	S221
5/8	SW201	3/4	TS241	3/4	S241
11/16	SW221	13/16	TS261	13/16	S261
3/4	SW241	7/8	TS281	7/8	S281
13/16	SW261	15/16	TS301	15/16	S301
7/8	SW281	1	TS321	1	S321
15/16	SW301	1 1/16	TS341	1 1/16	S341
1	SW321	1 1/8	TS361		
1 1/16	SW341				
1 1/8	SW361				
1 3/16	SW381				
1 1/4	SW401				
1 5/16	SW421				

6-Point Universal Sockets Set	307SUY	9/16"–15/16" (7 pcs)
Also Includes:	S12L	12" Sliding T-Handle
	S77A	Ratcheting Adaptor
	SN18B	18" Breaker Bar
	SX2	2" Extension
	SXK3	3 1/2" Extension
	SXK5	5" Knurled Extension
	SXK11	11" Knurled Extension
	A80A	1/4"–1/2" Capacity Stud Remover
	LRS70A	1 19/32" Ratchet Spinner
	S80A	Sealed Ratchet
	S4	18 7/8" Speeder
	S8	2 11/16" Universal Joint



345MMB

345MMB Chrome Metric General Service Set 45 pcs, Includes:

mm	12 Point Socket Sets
(23pc) (10 mm–32 mm)	**323SWM** Metric 12-Point Shallow Set
(13pc) (12 mm–24 mm)	**313SMYA** Metric 12-Point Deep Set

Also Includes:		
	S4	18 7/8" Speeder
	S8	2 11/16" Universal Joint
	S12L	12" Sliding T-Handle
	S77A	Ratcheting Adaptor
	S80A	Sealed Ratchet
	SN18B	18" Breaker Bar
	SXK3	3 1/2" Extension
	SXK5	5" Knurled Extension
	SXK11	11" Knurled Extension



317MSPC

317MSPC Fractional 6-Point General Service Set 17 pcs, Includes:

	6-Point Shallow Sockets
3/8	**TW121A**
7/16	**TW141A**
1/2	**TW161A**
9/16	**TW181A**
5/8	**TW201**
11/16	**TW221**
3/4	**TW241**
13/16	**TW261**
7/8	**TW281**
15/16	**TW301**
1	**TW321**
1 1/16	**TW341**
1 1/8	**TW361**

Also Includes:		
	S80A	Sealed Ratchet
	SXK5	5" Knurled Extension
	SXK11	11" Knurled Extension
	SN18B	18" Breaker Bar



317AMMPC

317AMMPC Metric 6-Point General Service Set 17 pcs, Includes:

mm	6-Point Shallow Sockets
12	**TWM12A**
13	**TWM13A**
14	**TWM14A**
15	**TWM15A**
16	**TWM16**
17	**TWM17**
18	**TWM18**
19	**TWM19**
20	**TWM20**
21	**TWM21**
22	**TWM22**
23	**TWM23**
24	**TWM24**

Also Includes:		
	S80A	Sealed Ratchet
	SXK5	5" Knurled Extension
	SXK11	11" Knurled Extension
	SN18B	18" Breaker Bar

⚠WARNING

• Do not use "cheater bars" on handles
• Read safety precautions on pages W1 to W4

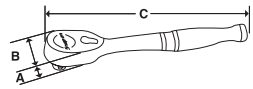
RATCHETS, HANDLES AND ACESSORIES Blue-Point®



BPRSR940



BPRSR940SG



Quick Release Ratchets

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
BPRSR940	Standard Handle	40	9°	23/32	1 23/32	9 7/8	RKRBPRSR940
BPRSR940SG	Soft Grip Handle	40	9°	23/32	1 23/32	9 7/8	RKRBPRSR940

ASME®/ANSI® B107.10

BPR703 Quick Release Ratchet Set
1/4" drive BPRTR936, 3/8" drive BPRFR938 and 1/2" drive BPRSR940 Ratchets (3pc) in storage tray.

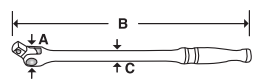
BPR703SG Quick Release Ratchet Set
1/4" drive BPRTR936SG, 3/8" drive BPRFR938SG and 1/2" drive BPRSR940SG Soft Grip Ratchets (3pc) in storage tray.



BLPBB1215



BLPBB1224



Breaker Bars

Stock No.	Description	A	B	C
BLPBB1215	Standard Handle	1 1/8	15	3/4
BLPBB1224	Telescoping Handle	1 1/16	12-24	5/8-7/8



S13TURBO

Turbo T-handle Speed

Name	Description	Handle Type
S13TURBO	1/2" square drive	Turbo T-Handle

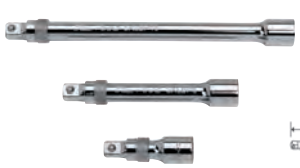


BLPEXTK123

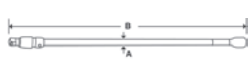


Knurled Extensions

Stock No.	B
BLPEXTK123	3
BLPEXTK126	6
BLPEXTK1210	10



303SXLBP



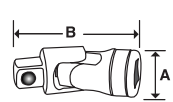
Locking/Knurled Extensions

Stock No.	A	B	303SXLBP Set Contains:
SXLBP3	.65"	3	•
SXLBP6	.65"	6	•
SXLBP10	.65"	10	•

Set shown includes storage tray



BLPUJ12



Universal Joint

Stock No.	B
BLPUJ12	2 3/4



BLPSM1216

Shallow, mm

mm	6	Length
12	BLPSM1212	38.1
13	BLPSM1213	38.1
14	BLPSM1214	38.1
15	BLPSM1215	38.1
16	BLPSM1216	38.1
17	BLPSM1217	38.1
18	BLPSM1218	38.1
19	BLPSM1219	38.1
20	BLPSM1220	38.1
21	BLPSM1221	38.1
22	BLPSM1222	38.1
24	BLPSM1224	38.1



BLPS1234

Shallow, inches

	6	Length
3/8	BLPS1238	1 1/2
7/16	BLPS12716	1 1/2
1/2	BLPS1212	1 1/2
9/16	BLPS12916	1 1/2
5/8	BLPS1258	1 1/2
11/16	BLPS121116	1 1/2
3/4	BLPS1234	1 1/2
13/16	BLPS121316	1 1/2
7/8	BLPS1278	1 1/2
15/16	BLPS121516	1 9/16
1	BLPS121	1 9/16
1 1/16	BLPSB121116	1 9/16
1 1/8	BLPSB12118	1 3/4
1 3/16	BLPSB121316	1 3/4
1 1/4	BLPSB12114	1 3/4

TORX®/External

#	Stock No.	Length, inches
E18	BLPTE1218	1 1/2
E20	BLPTE1220	1 1/2
E22	BLPTE1222	1 1/2
E24	BLPTE1224	1 1/2



BLPTE1220





BLPTL1255



BLPTL1255TP



TORX

BLPT1255

	#	Stock No.	Length, inches
Standard	T55	BLPT1255	2 3/4
	T60	BLPT1260	2 3/4
Long	T55	BLPTL1255	4 3/4
	T60	BLPTL1260	4 3/4

TORX/Tamper Resistant

BLPT1255TP

	#	Stock No.	Length, inches
Standard	T55	BLPT1255TP	2 5/16
	T60	BLPT1260TP	2 5/16
Long	T55	BLPTL1255TP	4 5/8
	T60	BLPTL1260TP	4 5/8



BLPH1214

Hex, mm

mm		Length, mm
10	BLPH1210	60.3
12	BLPHM1212	60.3
14	BLPH1214	60.3
17	BLPH1217	60.3
19	BLPH1219	60.3



BLPH12916

Hex Standard, inches

		Length, inches
7/16	BLPH12716	2 7/16
1/2	BLPH1212	2 7/16
9/16	BLPH12916	2 7/16
5/8	BLPH1258	2 7/16
3/4	BLPH1234	2 7/16

⚠WARNING

- Do not use "cheater bars" on handles
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

COMBINATION BIT SOCKET SETS Blue-Point®



Combination TORX® Socket / *Torx* Bit Socket Set (43pc)

BLPTSSC43

BLPTSSC43 *TORX* Sockets/*TORX* Bit Sockets Set

Set Components

(1/4" drive):
- Five external *TORX* sockets (E4–E8)
- 10 tamper resistant *TORX* socket drivers (T6–T30)

(3/8" drive):
- Four external *TORX* Sockets (E10–E16)
- Three tamper-resistant *TORX* socket drivers (T40, T45, T50)
- Three tamper-resistant long *TORX* socket drivers (T40, T45, T50)

(1/2" drive):
- Four external *TORX* sockets (E18–E24)
- Two tamper-resistant *TORX* socket drivers (T55, T60)
- Two tamper-resistant long *TORX* socket drivers (T55, T60)



Combination Socket Driver Set (30pc)

BLPHSSC30

BLPHSSC30 Hex Bit Socket Set

Set Components

(1/4" drive):
- Five metric hex bit sockets (2.5 mm–6 mm)
- Six hex bit sockets (1/8"–1/4")

(3/8" drive):
- Five metric hex bit sockets (6 mm–10 mm)
- Five hex bit sockets (7/32"–7/16")

(1/2" drive):
- Five metric hex bit sockets (10 mm–19 mm)
- Four hex bit sockets (1/2"–3/4")



TORX Sockets/ *TORX* and Hex Bit Sockets Set (87pc)

BLPTHC87

BLPTHC87 *TORX* Sockets/*TORX* and Hex Bit Sockets Set

Set Components

(1/4" drive):
- Five external *TORX* sockets (E4–E8)
- 10 *TORX* bit sockets (T6–T30)
- 10 long *TORX* bit sockets (T6–T30)
- Five metric hex bit sockets (2.5 mm–6 mm)
- Three long metric hex bit sockets (4 mm–6 mm)
- Six hex bit sockets (1/8"–1/4")
- Three long hex bit sockets (1/8"–3/16")

(3/8" drive):
- Four external *TORX* sockets (E10–E16)
- Three *TORX* bit sockets (T40–T50)
- Three long *TORX* bit sockets (T40–T50)
- Five metric hex bit sockets (6 mm–10 mm)
- Four long metric hex bit sockets (7 mm–10 mm)
- Four hex bit sockets (7/32"–3/8")
- Four long hex bit sockets (7/32"–3/8")

(1/2" drive):
- Four external *TORX* sockets (E18–E24)
- Two *TORX* bit sockets (T55, T60)
- Two long *TORX* bit sockets (T55, T60)
- Five metric hex bit sockets (10 mm–19 mm)
- Five hex bit sockets (7/16"–3/4")

GENERAL SERVICE SETS



BLPGSS1233

BLPGSS1233 1/2" Drive General Service Set

Set Components:
- 15 fractional (3/8"–1 1/4") and 12 metric (12 mm–24 mm) standard sockets
- One breaker bar
- One universal joint
- One quick release ratchet
- Three extensions (3", 6" and 10")

WHEN THE GOING GETS TOUGH, TECHS GO TO SNAP-ON.

Sometimes – particularly when it comes to heavy-duty machinery and vehicles – the bigger they are, the harder the job. That's why, for the tough tasks, Snap-on designed tough tools.

OUR STRONG SUIT.

At Snap-on, we're experts at making strong tools – and our 3/4" drive tools are no exception. Made with alloy-content steel, these tools are stronger, more durable and built to tackle any job.

DESIGNED FOR PERFORMANCE.

These tools aren't just for show. Uniform wall thickness provides greater access and improved performance where you need it most.



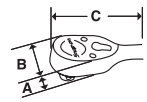
RATCHET HEADS/HANDLES



L872



GL872



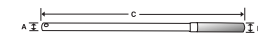


L872H L872RM L872RJ

Heads

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
L872	Sealed	32	11°	1 1/4	2 1/2	5 15/16	RKRQC4
GL872	Sealed Industrial Finish	32	11°	1 1/4	2 1/2	5 15/16	RKRQC4

Handles



Stock No.	Description	A	B	C
L872H	Plain w/ locking button	13/16	19 1/4	15/16
L872RM	Knurled	15/16	36	1 1/8
L872RJ	Knurled	15/16	19 1/4	1 1/8

Head and Handle Combinations

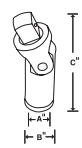
	Heads using 13/16" (small) diameter handle holes	Heads using 15/16" (large) diameter handle holes	
	L52B Sliding T-Handle Head	**L872** Ratchet Head	**L8112A** Breaker Bar Head
Short 19 1/4" Handle (Lock Button Both Ends)	**L872H**	–	**L872H**
Short 19 1/4" Handle (Lock Button End/Knurled End)	–	**L872RJ**	**L872RJ**
Long 36" Handle (Lock Button End/Knurled End)	–	**L872RM**	**L872RM**

ASME®/ANSI® B107.10

DRIVE HANDLES



L8112A

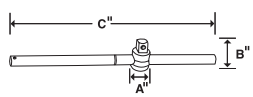


Breaker Bar/Breaker Bar Head

Head Only	A	B	C	Use with Handle
L8112A	15/16	1 9/16	3 11/16	L872RM or L872RJ



L52B



Sliding T-Handle

- Designed for heavier applications
- Spring and friction ball hold head in position

Stock No.	A	B
L52B	1 1/2	2 5/16

Use L52B with L872H handle.

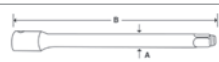
SOCKET/RATCHET ACCESSORIES



L32



GL42



Extensions with Locking Button

Stock No.	Industrial Stock No.	A	B
L32	GL32	15/16	3
L42	GL42	15/16	5
L62	GL62	15/16	8
L122	GL122	15/16	16

Universal Joint

Stock No.	A	B
L82A	1 9/16	3 7/8

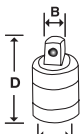




L82A

Adaptors

Stock No.	A	B	C	D
GLA12B	1/2	3/4	1 1/8	1 7/8
GLAS1F	3/4	1/2	1 7/16	2 7/16
GLA72A	3/4	1	1 7/16	2 5/8
GLA124A	1	3/4	1 13/16	2 3/4



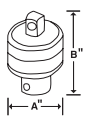


GLAS1F

Ratchet Adaptor

Stock No.	Description	Gear Teeth	Swing Arc	A	B	Repair Kit
L672B	Ratchet Adaptor	44	8.2°	2 1/2	3 15/16	RKR881B

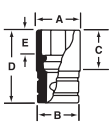
ASME®/ANSI® B107.10





L672B

FLANK DRIVE® SOCKETS





LDH482



LDHM382

Shallow, inches

	12	A	B	C	D	E
3/4	LDH242	1 1/8	1 7/16	1 1/4	2	17/32
13/16	LDH262	1 7/32	1 7/16	1 1/4	2	11/16
7/8	LDH282	1 5/16	1 7/16	1 1/4	2	11/16
15/16	LDH302	1 3/8	1 7/16	1 1/4	2	23/32
31/32	LDH312	1 13/32	1 7/16	1 1/4	2	23/32
1	LDH322	1 15/32	1 1/2	1 5/16	2 1/16	3/4
1 1/16	LDH342	1 9/16	1 1/2	1 3/8	2 1/8	3/4
1 1/8	LDH362	1 5/8	1 1/2	1 7/16	2 3/16	13/16
1 3/16	LDH382	1 11/16	1 1/2	1 1/2	2 1/4	7/8
1 1/4	LDH402	1 3/4	1 1/2	1 1/2	2 1/4	15/16
1 5/16	LDH422A	1 7/8	1 3/4	1 9/16	2 1/2	7/8
1 3/8	LDH442	1 15/16	1 3/4	1 9/16	2 1/2	15/16
1 7/16	LDH462	2	1 3/4	1 5/8	2 1/2	15/16
1 1/2	LDH482	2 1/8	1 3/4	1 11/16	2 1/2	1 1/16
1 9/16	LDH502	2 3/16	1 3/4	1 7/8	2 5/8	1 5/32
1 5/8	LDH522	2 1/4	1 3/4	1 7/8	2 5/8	1 5/32
1 11/16	LDH542	2 3/8	1 3/4	2	2 3/4	1 3/16
1 3/4	LDH562	2 7/16	1 3/4	2	2 3/4	1 3/16
1 13/16	LDH582	2 1/2	1 3/4	2 1/8	2 7/8	1 1/4
1 7/8	LDH602	2 9/16	1 3/4	2 1/4	3	1 5/16
2	LDH642	2 3/4	1 3/4	2 3/8	3 1/8	1 3/8
2 1/16	LDH662	2 15/16	1 3/4	2 3/8	3 1/8	1 3/8
2 1/8	LDH682	2 15/16	1 3/4	2 1/2	3 1/4	1 7/16
2 3/16	LDH702	2 15/16	1 3/4	2 1/2	3 1/4	1 1/2
2 1/4	LDH722	3 1/8	1 3/4	2 5/8	3 3/8	1 1/2
2 3/8	LDH762	3 1/4	1 3/4	2 7/8	3 5/8	1 3/4

ASME/ANSI B107.1

Shallow, mm

mm	12	A	B	C	D	E
22	LDHM222	31.1	34.6	30.2	50.8	17.1
24	LDHM242	33.4	34.6	31.8	50.8	17.9
27	LDHM272	37.3	39.5	31.8	54.0	19.9
30	LDHM302	41.0	39.8	34.0	57.2	21.8
36	LDHM362	49.3	41.2	35.1	58.7	22.1
41	LDHM412	55.1	44.5	42.9	66.5	26.7



LS342

Deep, inches

	6	A	B	C	D	E
1 1/16	LS342	1 9/16	1 1/2	2 3/4	3 1/2	1

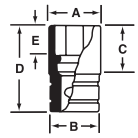
⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

SPLINE SOCKETS

Snap-on® spline wrenching tools have been developed to service high tensile strength spline nuts and bolts widely used on both military and commercial aircraft. Precise, radial spline teeth engage the fastener teeth over a wider area to minimize stress, and allow application of high torque to reduce risk of damage to the fastener or to the tool.

Chrome tools comply with Military Spec. MS-33787 and MIL-W-8982. The unique spline wrenching configuration can also be used on ordinary six- and 12-point fasteners with an advantage similar to the *Snap-on* Flank Drive® wrenching system.





LES302

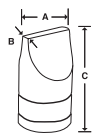
Shallow, inches

		Stock No.	A	B	C	D	E
#24	3/4	LES242	1 3/64	1 3/8	1	1 51/64	41/64
#30	15/16	LES302	1 3/8	1 3/8	1 7/64	1 59/64	51/64
#34	1 1/16	LES342	1 35/64	1 19/32	1	2 3/64	57/64
#36	1 1/8	LES362	1 5/8	1 1/2	1 3/16	2 3/16	15/16

SPECIAL APPLICATION SOCKETS



GLD139



Drag Link, inches

Stock No.	B x A	A	B	C
GLD138	13/64 x 1 3/8	1 3/8	13/64	2 3/16
GLD139	1/4 x 1 11/16	1 11/16	1/4	2 3/16

Military Vehicle Repair Socket

mm	6	A	B	C	D	E
30	IM382CD	47.6	41.2	36.5	53.9	19.0

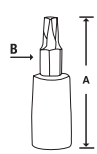
IM382CD 6-Point Metric Shallow Impact Socket

- Assault Breacher Vehicle
- Utility Truck (Tamen: D00347K)
- Abrams M-1 Tank
- Bridge Launcher Carrier
- M1A2 Heavy Assault Bridge (hab)/Wolverine, 5420-01-430-4227
- Armored Vehicle Launch Bridge (M60A1 & M48A5)
- Combat Tank, Ft, 120 mm gun (M1A1)

TORX® BIT SOCKETS



T902E



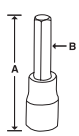
TORX/Standard

#	Stock No.	A	B
T80	T802E	4 3/8	T802E2
T90	T902E	4 3/8	T902E2

HEX BIT SOCKETS



LAWM19E

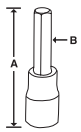


Hex/Standard, mm

mm		A	B
17	LAWM17E	104.7	SAM17E2
19	LAWM19E	111.9	SAM19E2

Hex/Standard, inches

		A	B
5/8	LAW120E	3 3/4	LAW120E2
3/4	LAW124E	4 3/8	LAW124E2





LAW120E

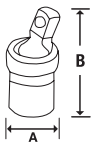




IM122B

Extensions

Stock No.	A	B
IM132A	1	3
IM62B	1	7
IM92B	1	10
IM122B	1	13



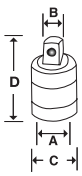


IP82

Swivel Ball Universal Joint

- Maximum accessibility design
- No internal spring used

Stock No.	A	B
IP82	1 3/4	3 5/32





IM124B

Adaptors

Stock No.	A	B	C	D
IM72	3/4	1 with Pin Hole	1 5/8	2 9/16
IM124B	1	3/4 with Pin Hole	2 3/8	2 13/16



IM243R



IM243P

3/4" Locking Rings and Pins

Stock No.	Description	Use with
IM182R	Rubber Locking Ring	All 3/4" Drive Sockets/Accessories
IM182P	Steel Locking Pin	All 3/4" Drive Sockets/Accessories
IMR2	Socket Retainer	All 3/4" Drive Sockets/Accessories
Use the following for the IM124B Adaptor:		
IM243R	Rubber Locking Ring (Use with IM243P)	1" Drive Sockets/Accessories Up to 1 3/8" (35 mm) plus IM124 Adaptor
IM243P	Steel Locking Pin (Use with IM243R)	1" Drive Sockets/Accessories Up to 1 3/8" (35 mm)

For use on SIM, IM, IMM and SIMM sockets and other accessories on this page.

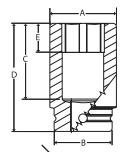
⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

FLANK DRIVE® IMPACT SOCKETS



IMM302



Shallow, mm

mm	6	12	A	B	C	D	E	Set Contains: 425IMM 6
17	IMM172A	–	29.2	41.1	27.2	50.8	13.7	•
18	IMM182A	–	31.6	41.1	27.2	50.8	12.7	•
19	IMM192A	–	31.8	41.1	27.2	50.8	13.7	•
20	IMM202A	IMMD202B	35.1	41.1	27.2	50.8	14.0	•
21	IMM212A	–	34.9	41.1	27.2	50.8	15.2	•
22	IMM222A	–	38.1	41.1	27.2	50.8	15.2	•
23	IMM232A	–	36.3	41.1	27.2	50.8	16.5	•
24	IMM242A	–	39.5	41.1	26.4	50.8	16.5	•
25	IMM252A	–	39.6	41.1	26.4	50.8	16.3	•
26	IMM262A	–	39.6	41.1	26.4	50.8	17.5	•
27	IMM272A	–	42.6	41.1	26.4	50.8	19.0	•
28	IMM282	–	44.7	41.1	32.8	57.2	17.5	•
29	IMM292	–	46.0	41.1	32.8	57.2	18.0	•
30	IMM302	–	47.0	44.5	32.8	57.2	19.1	•

mm	6	12	A	B	C	D	E	Set Contains: 425IMM 6
31	IMM312	–	49.2	44.5	32.8	57.2	19.1	•
32	IMM322	–	50.8	44.5	32.8	57.2	20.6	•
33	IMM332	–	50.8	44.5	32.8	57.2	20.3	•
34	IMM342	–	50.8	44.5	32.8	57.2	22.4	•
35	IMM352	–	54.0	44.5	32.8	57.2	22.4	•
36	IMM362	–	54.0	44.5	32.8	57.2	22.4	•
38	IMM382	–	57.2	44.5	32.8	57.2	23.9	•
40	IMM402	–	59.7	44.5	45.5	69.9	28.4	•
41	IMM412	–	60.5	44.5	33.5	57.2	26.2	•
42	IMM422A	–	63.1	44.5	46.9	66.9	28.6	
46	IMM462	–	66.7	44.5	45.5	69.9	29.0	•
50	IMM502	–	71.4	44.5	52.6	76.2	31.0	•

IMMD202B 12-Point Metric Shallow Impact Socket
Specific applications include removing the head bolts on Caterpillar® C7, C8, C9 and C10 engines.



IM402



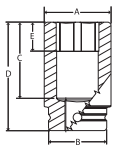
IMD302A

Shallow, inches

11	6	12	A	B	C	D	E	Set Contains: 429IM 6	417IM 6	418IM 6	429IMD 12	417IMD 12	418IMD 12
9/16	IM182A	IMD182A	1	1 5/8	1	1 3/4	7/16	•			•		
5/8	IM202A	IMD202A*	1 3/32	1 5/8	1	1 3/4	1/2	•			•		
11/16	IM222A	IMD222A	1 5/32	1 5/8	1	1 3/4	9/16	•			•		
3/4	IM242A	IMD242A	1 1/4	1 5/8	1	1 3/4	9/16	•	•		•	•	
13/16	IM262A	IMD262A	1 3/8	1 5/8	1 1/8	1 7/8	5/8	•	•		•	•	
7/8	IM282A	IMD282A	1 1/2	1 5/8	1 1/8	1 7/8	5/8	•	•		•	•	
15/16	IM302A	IMD302A*	1 9/16	1 5/8	1 1/8	1 7/8	3/4	•	•		•	•	
1	IM322A	IMD322A*	1 5/8	1 5/8	1 1/4	2	3/4	•	•		•	•	
1 1/16	IM342A	IMD342A	1 11/16	1 5/8	1 1/4	2	3/4	•	•		•	•	
1 1/8	IM362	IMD362A	1 7/8	1 5/8	1 3/8	2 1/8	3/4	•	•		•	•	
1 3/16	IM382	IMD382	1 7/8	1 5/8	1 5/16	2 1/8	3/4	•	•		•	•	
1 1/4	IM402	IMD402	2	1 3/4	1 3/8	2 1/8	13/16	•	•	•	•	•	•
1 5/16	IM422	IMD422	2 1/8	1 3/4	1 1/2	2 1/4	7/8	•	•	•	•	•	•
1 3/8	IM442	IMD442	2 1/8	1 3/4	1 1/2	2 1/4	7/8	•	•	•	•	•	•
1 7/16	IM462	IMD462	2 1/4	1 3/4	1 1/2	2 1/4	7/8	•	•	•	•	•	•
1 1/2	IM482	IMD482	2 1/4	1 3/4	1 1/2	2 1/4	15/16	•	•	•	•	•	•
1 9/16	IM502	IMD502	2 7/16	1 3/4	1 9/16	2 3/8	15/16	•	•	•	•	•	•
1 5/8	IM522	IMD522	2 7/16	1 3/4	1 5/8	2 3/8	7/8	•	•	•	•	•	•
1 11/16	IM542	IMD542	2 1/2	1 3/4	1 13/16	2 9/16	1	•	•	•	•	•	•
1 3/4	IM562	IMD562	2 1/2	1 3/4	1 13/16	2 9/16	1	•	•	•	•	•	•
1 13/16	IM582	IMD582	2 5/8	1 3/4	1 5/8	2 5/8	1 1/4	•		•	•		•
1 7/8	IM602	IMD602	2 5/8	1 3/4	1 3/4	2 3/4	1 1/8	•		•	•		•
1 15/16	IM622A	IMD622	2 3/4	1 3/4	1 9/16	2 27/32	1 3/32	•		•	•		•
2	IM642A	IMD642	2 7/8	1 3/4	1 15/16	2 7/8	1 1/8	•		•	•		•
2 1/16	IM662A	IMD662	3	1 3/4	1 7/8	2 7/8	1 3/16	•		•	•		•
2 1/8	IM682A	IMD682	3	1 3/4	1 3/4	3	1 1/4	•		•	•		•
2 3/16	IM702A	IMD702	3 1/4	1 3/4	2 3/16	3 3/16	1 5/16	•		•	•		•
2 1/4	IM722A	IMD722	3 1/4	1 3/4	2 3/16	3 3/16	1 3/8	•		•	•		•
2 3/8	IM762A	IMD762	3 1/2	1 3/4	2 3/8	3 1/2	1 7/16	•		•	•		•

*Applications include repair of heavy duty trucks and off-road equipment, most diesel engines including *Caterpillar* and Cummins® plus head bolts and bearing cap bolts.

IMD242A Applications: Most *Caterpillar* head bolts, Detroit Diesel® main bearing cap bolts, K19 *Cummins* head bolts.





SIMDM212

Deep, mm

mm	6	12	A	B	C	D	E
17	SIMM172	–	28.9	41.1	52.6	76.2	12.7
18	SIMM182	–	31.7	41.3	76.2	101.6	12.7
19	SIMM192	–	32.4	41.1	51.8	76.2	14.2
21	SIMM212	SIMDM212	34.2 (33.3)	41.1 (41.3)	37.4 (19)	76.2	14.2 (18.3)
22	SIMM222	–	35.8	41.1	37.4	76.2	14.2
23	SIMM232	–	35.8	41.1	37.2	76.2	16.3
24	SIMM242	–	37.7	41.1	37.0	76.2	16.5
26	SIMM262	–	39.6	41.1	36.7	76.2	16.3
27	SIMM272	–	42.8	41.1	38.4	76.2	19.1
30	SIMM302	–	46.8	41.1	58.2	82.6	18.5
32	SIMM322	–	50.8	44.5	58.9	82.6	19.1
33	SIMM332	–	52.4	44.5	57.4	82.6	22.4
35	SIMM352	–	52.7	44.5	57.2	82.6	21.6
36	SIMM362	–	54.0	44.5	62.5	88.9	22.9
38	SIMM382	–	57.2	44.5	65.3	88.9	23.8
41	SIMM412*	–	55.1	44.5	74.9	100.1	26.7
46	SIMM462	–	76.7	44.5	72.4	101.6	29.1

*Applications include usage on stud piloted, budd style wheels.

Dimensions in ( ) apply to 12-point sockets only.

SIMDM212 Application: Flywheel bolts on Cummins® ISX engines.



423SIM

Deep, inches

Set Contains: 423SIM							
in	6	A	B	C	D	E	6
9/16	SIM182	1	1 5/8	2 1/16	3	9/16	•
5/8	SIM202	1 1/16	1 5/8	2 1/16	3	9/16	•
11/16	SIM222	1 1/8	1 5/8	2 1/16	3	9/16	•
3/4	SIM242	1 1/4	1 5/8	2	3	9/16	•
13/16	SIM262	1 3/8	1 5/8	2	3	5/8	•
7/8	SIM282	1 1/2	1 5/8	2	3	5/8	•
15/16	SIM302	1 5/8	1 5/8	2	3	5/8	•
1	SIM322	1 5/8	1 5/8	2	3	11/16	•
1 1/16	SIM342	1 3/4	1 5/8	2	3	11/16	•
1 1/8	SIM362	1 3/4	1 5/8	2	3	3/4	•
1 3/16	SIM382	2	1 3/4	2 1/4	3 1/4	3/4	•
1 1/4	SIM402	2	1 3/4	2 1/4	3 1/4	7/8	•
1 5/16	SIM422	2 1/8	1 3/4	2 9/16	3 1/4	7/8	•
1 3/8	SIM442	2 1/8	1 3/4	2 1/4	3 1/4	7/8	•
1 7/16	SIM462	2 3/16	1 3/4	2 1/2	3 1/2	7/8	•
1 1/2	SIM482	2 1/4	1 3/4	2 1/2	3 1/2	15/16	•
1 9/16	SIM502	2 5/16	1 3/4	2 1/2	3 1/2	15/16	•
1 5/8	SIM522	2 7/16	1 3/4	2 1/2	3 1/2	15/16	•
1 11/16	SIM542	2 1/2	1 3/4	2 1/2	3 1/2	1	•
1 3/4	SIM562	2 1/2	1 3/4	2 1/2	3 1/2	1	•
1 13/16	SIM582	2 5/8	1 3/4	2 3/4	3 3/4	1 1/16	•
1 7/8	SIM602	2 11/16	1 3/4	2 3/4	3 3/4	1 1/8	•
2	SIM642A	2 13/16	1 3/4	2 3/4	3 3/4	1 1/8	•

Larger sizes available on special order.

WARNING • Read safety precautions on pages W1 to W4

FLANK DRIVE® IMPACT SOCKETS



SIMML242



Extra Deep, mm

mm	6	A	B	C	D	E
24	SIMML242	39.5	38.1	101.6	127	16.5

SIMML242 6-Point Metric Extra Deep Impact Socket
- For removing and installing the head bolts on Cummins® ISX engines



IMM503TW



IMFS482A

Shallow Thin Wall, mm

mm	6	A	B	C	D	E
50	IMM503TW	65	57.2	49	82.6	3.71
55	IMM553TW	75.9	60.5	53.8	88.9	34.8

Shallow Thin Wall, inches

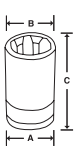
	6	A	B	C	D	E
1 1/2	IMFS482A	54	44.4	36.6	63.5	24.1



IMFDL242



IMSLE242A



Deep Thin Wall, inches

	12	A	B	C	D	E
3/4	IMFDL242	1 3/8	1 5/8	4 3/4	5 3/4	1/2

Larger sizes available on special order.

IMFDL242 Deep Thin Wall Impact Socket
- Designed to remove the head bolts on Caterpillar® C12, C15, C16 and 3406ES vehicles where the front two and back two head bolts are positioned under the valve covers where thin walled long sockets are required
- Additional applications include Detroit Diesel® main bearing cap bolts and 19 mm head bolts on Mercedes-Benz® MBE904/MBE906 EGR engines (2007 and later)
- 3/4" wrench size, 3/4" drive, 5 3/4" long

Inverted TORX®

#	Stock No.	A	B	C
E24	IMSLE242A	1 5/8	1 5/8	3 3/4

IMSLE242A Inverted *TORX* Impact Socket
- For removing and installing head bolts on MaxxForce® 11 and 13 engines found on D15 International® Trucks from 2010–current
- Used for installation of shear type E24 bolts during alignment of suspensions on Hendrickson® and Dayton® trailers
- Manufactured from special alloy steel, precision forged and heat treated for optimum strength and durability



434HDC



414AHD

434HDC 12-Point Fractional General Service Set 35 Tools, includes:

	12-Point Shallow Sockets
3/4	LDH242
13/16	LDH262
7/8	LDH282
15/16	LDH302
31/32	LDH312
1	LDH322
1 1/16	LDH342
1 1/8	LDH362
1 3/16	LDH382
1 1/4	LDH402
15/16	LDH422A
1 3/8	LDH442
1 7/16	LDH462
1 1/2	LDH482
1 9/16	LDH502
1 5/8	LDH522
1 11/16	LDH542
1 3/4	LDH562
1 13/16	LDH582
1 7/8	LDH602
2	LDH642
2 1/16	LDH662
2 1/8	LDH682
2 3/16	LDH702
2 1/4	LDH722
2 3/8	LDH762

Also Includes:		
	L32	3" Extension
	L62	8" Extension
	L122	16" Extension
	L52B	Sliding Head
	L872	Ratchet Head
	L82A	Universal Joint
	L8112A	Breaker Bar Head
	L672B	Ratchet Adaptor
	L872H	19 1/4" Handle
	PB434HD	Storage Case w/ Foam

414AHD 12-Point Fractional General Service Set (Tools with Storage Tray) 15 Tools, Includes:

	12-Point Shallow Sockets
1 1/16	LDH342
1 1/8	LDH362
1 1/4	LDH402
1 5/16	LDH422A
1 3/8	LDH442
1 7/16	LDH462
1 1/2	LDH482
1 5/8	LDH522
1 3/4	LDH562
1 7/8	LDH602

Also Includes:		
	L62	8" Extension
	L122	16" Extension
	L872	Ratchet Head
	L872RJ	19 1/4" Handle
	L8112A	Breaker Bar Head

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

TOOLS THAT FLEX THEIR MUSCLE.

Big jobs call for real muscle. That's why, when techs are in need of some serious brawn, they reach for our 1" – 2 1/2" drive tools. When you've got a docket full of heavy-duty operations ahead of you – work on semis, construction equipment, hydraulics or other heavy metal – Snap-on® drive tools provide just the right might. Going mano-a-mano against some big jobs? Hey – we've got your back.

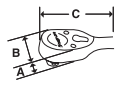
Flank Drive® — Our *Flank Drive* wrenching system grabs fasteners on the flats, increasing torque and preventing fastener corners from rounding off.

Impact Sockets — Made with a blend of alloy steel, our impact sockets possess a lower heat-treated hardness than hand sockets. They're built to withstand the repeated cycle loads of pneumatic and cordless impact wrenches. And, Snap-on *Flank Drive* impact sockets exceed ANSI performance standards.

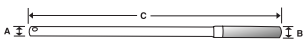


Heads

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C	Repair Kit
L873	Sealed	30	12°	1 1/2	3 1/8	7 7/8	RKRQC5
GL873	Sealed Industrial Finish	30	12°	1 1/2	3 1/8	7 7/8	RKRQC5



1" Handle/Handle Extension



L53HB Handle
- Plain handle with locking buttons at both ends
- Use on 1" drive ratchet heads, breaker bar heads and sliding T-heads

L853HA1 Handle Extension
- Knurled grip extension handle attaches to L53HB handle for added leverage
- Only used with L53HB handle; L853HA1 will not connect directly to L873 ratchet head



L873



GL873

Stock No.	A	B
L53HB	1 1/8	29
L853HA1	1 3/8	36



L53HB

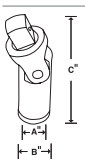


L853HA1

Head and Handle Combinations

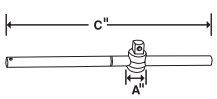
Stock No.	Description	Required Handle	Optional Handle Extension
L873	Ratchet Head	L53HB	L853HA1
L113H	Breaker Bar Head	L53HB	–
L53A	Sliding T-handle Head	L53HB	–

ASME®/ANSI® B107.10





L113H





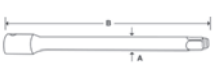
L53

Breaker Bar/Breaker Bar Head

Handle w/ Head	Length	Head Only	A	B	C	Handle Only
L113H	32 5/32	L113	15/16	2 1/8	4 29/32	L53HB

Sliding T-Handle

Stock No.	C	Sliding Head Only Stock No.	A	Handle Stock No.
L53	29	L53A	2	L53HB

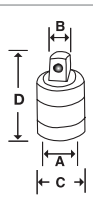




L63

Extension with Locking Button

Stock No.	A	B
L63	1 1/4	8



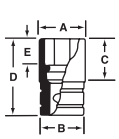


GLA72A

Adaptors

Stock No.	A	B	C	D
GLA72A	3/4	1	1 7/16	2 5/8
GLA124A	1	3/4	1 13/16	2 3/4

ASME/ANSI B107.10



Snap-on® spline wrenching tools have been developed to service high tensile strength spline nuts and bolts widely used on both military and commercial aircraft. Precise, radial spline teeth engage the fastener teeth over a wider area to minimize stress, and allow application of high torque to reduce risk of damage to the fastener or to the tool. Chrome tools comply with Military Spec. MS-33787 and MIL-W-8982. The unique spline wrenching configuration can also be used on ordinary six- and 12-point fasteners with an advantage similar to the *Snap-on* Flank Drive® wrenching system.

Shallow, inches

		Stock No.	A	B	C	D	E
#32	1	LES323	1 29/64	1 55/64	1 35/64	2 7/16	53/64
#34	1 1/16	LES343	1 35/64	1 55/64	1 37/64	2 35/64	57/64
#38	1 3/16	LES383	1 23/64	1 63/64	1 25/32	2 51/64	1 1/64



LES323

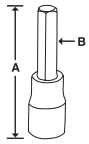
⚠WARNING

- Do not use "cheater bars" on handles
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

HEX BIT SOCKETS



IMA283



Hex Standard, inches

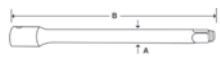
		A	B
7/8	IMA283	5 5/8	IMA238-2
1	IMA323	5 5/8	IMA323-2

IMPACT ACCESSORIES



IM133

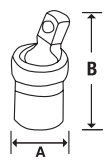
Extensions with Pin Hole



Stock No.	A	B
IM133	1	3
IM63B	1 1/8	7 1/8
IM123	1 3/8	13 1/8



IP83

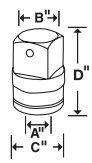


Swivel Universal Joint with Pin Hole

Stock No.	A	B
IP83	2 1/2	4 3/16



IM35



Adaptors with Pin Hole

Stock No.	A	B	C	D
IM72	3/4	1 with Pin Hole	1 5/8	2 9/16
IM124B	1	3/4	2 3/8	2 13/16
IM35	1	1 1/2	2 1/4	3 1/2
IM53	1 1/2	1	3 1/4	4 1/4



IM243R



IM243P

1" Drive Locking Rings and Pins

Stock No.	Description	Use with
IM483R	Rubber Locking Pin (Use with IM483P)	All Spline Drive Sockets/Accessories plus 1" Drive Sockets from 1 7/16" (35 mm)
IM243R	Rubber Locking Ring (Use with IM243P)	1" Drive Sockets/Accessories Up to 1 3/8" (35 mm) plus IM124 Adaptor
IM243P	Steel Locking Pin, (Use with IM243R)	1" Drive Sockets/Accessories Up to 1 3/8" (35 mm)
IMR3	Socket Retainer	All 1" Drive Sockets/Accessories, All #5 Spline Drive Sockets/Accessories
IM483P	Steel Locking Pin (Use with IM483R)	All Spline Drive Sockets/Accessories plus 1" Drive Sockets from 1 7/16" (35 mm)



Shallow, mm



IMM503

mm	6	A	B	C	D	E	Set Contains: 516IMM 6
27	IMM273	44.5	53.8	27.0	57.2	17.5	•
30	IMM303	47.8	53.8	27.0	57.2	17.5	•
32	IMM323	50.8	53.8	33.3	63.5	19.1	•
33	IMM333	52.3	53.8	33.3	63.5	22.4	•
35	IMM353	53.8	53.8	33.5	63.5	22.4	•
36	IMM363	57.2	57.2	34.3	63.5	22.4	•
38	IMM383	59.7	57.2	40.1	69.9	23.6	•
41	IMM413A	59.9	57.2	39.6	69.9	26.4	•
46	IMM463	69.9	60.5	44.2	76.2	30.0	•
50	IMM503	69.9	60.5	49.3	82.6	31.2	•
55	IMM553	82.6	60.3	46.7	82.6	31.8	•
60	IMM603	88.9	57.2	51.6	88.9	38.1	•
65	IMM653	92.1	60.5	63.8	101.6	45.7	•
70	IMM703	95.3	60.5	62.2	101.6	45.7	•
75	IMM753	104.8	60.5	67.1	108.0	51.6	•
80	IMM803	108.7	61.1	65.9	108.7	47.6	•

Shallow, inches



IM703

11	6	A	B	C	D	E	Set Contains: 521IM	516IM	522IM
3/4	IM243	1 7/16	2 1/8	1	2 1/8	11/16	•		
13/16	IM263	1 7/16	2 1/8	1	2 1/8	11/16	•		
7/8	IM283	1 1/2	2 1/8	1	2 1/8	11/16	•		
15/16	IM303	1 19/32	2 1/8	1	2 1/8	11/16	•		
1	IM323	1 11/16	2 1/8	1 1/16	2 1/4	11/16	•		
1 1/16	IM343	1 3/4	2 1/8	1 1/16	2 1/4	11/16	•		
1 1/8	IM363	1 7/8	2 1/8	1 1/16	2 1/4	11/16	•		
1 3/16	IM383	1 7/8	2 1/8	1 1/16	2 1/4	11/16	•		
1 1/4	IM403	2	2 1/8	1 3/16	2 3/8	3/4	•		
1 5/16	IM423	2 1/16	2 1/8	1 15/16	2 1/2	7/8	•		
1 3/8	IM443	2 1/8	2 1/8	1 15/16	2 1/2	7/8	•		
1 7/16	IM463	2 1/4	2 1/4	1 7/16	2 1/2	15/16	•		
1 1/2	IM483B	2 3/8	2 1/4	1 7/16	2 5/8	15/16	•		
1 9/16	IM503A	2 3/8	2 1/4	1 7/16	2 5/8	15/16	•		
1 5/8	IM523A	2 3/8	2 1/4	1 5/8	2 3/4	1 1/16	•		
1 11/16	IM543	2 9/16	2 3/8	1 5/8	2 3/4	1 1/16	•		
1 3/4	IM563	2 5/8	2 3/8	1 23/32	2 7/8	1 5/32	•		
1 13/16	IM583	2 3/4	2 3/8	1 23/32	2 15/16	1 3/16	•		
1 7/8	IM603	2 3/4	2 3/8	1 23/32	2 15/16	1 3/16	•		
1 15/16	IM623	2 3/4	2 3/8	1 23/32	2 15/16	1 3/16	•		
2	IM643	3	2 3/8	1 31/32	3 1/8	1 9/32	•		
2 1/16	IM663	3	2 3/8	1 31/32	3 1/8	1 9/32		•	
2 1/8	IM683	3 1/8	2 3/8	2 3/32	3 1/4	1 9/32		•	
2 3/16	IM703	3 1/4	2 3/8	2 5/32	3 11/32	1 7/16		•	
2 1/4	IM723	3 1/4	2 3/8	2 5/32	3 11/32	1 7/16		•	
2 5/16	IM743	3 3/8	2 3/8	2 5/32	3 1/2	1 1/2		•	
2 3/8	IM763	3 1/2	2 3/8	2 5/32	3 1/2	1 1/2		•	
2 7/16	IM783	3 1/2	2 3/8	2 5/32	3 1/2	1 1/2		•	
2 1/2	IM803	3 1/2	2 3/8	2 1/8	3 5/8	1 5/8		•	
2 9/16	IM823	3 5/8	2 3/8	2 1/8	3 5/8	1 5/8		•	
2 5/8	IM843	3 3/4	2 3/8	2 5/16	3 3/4	1 5/8		•	
2 11/16	IM863	3 3/4	2 3/8	2 1/2	4	1 13/16		•	

11	6	A	B	C	D	E	Set Contains: 521IM	516IM	522IM
2 3/4	IM883	3 3/4	2 3/8	2 7/16	4	1 13/16		•	
2 13/16	IM903	4	2 3/8	2 7/16	4	1 13/16		•	
2 7/8	IM923	4	2 3/8	2 7/16	4	1 13/16		•	
2 15/16	IM943	4 1/8	2 3/8	2 5/8	4 1/4	2		•	
3	IM963	4 1/4	2 3/8	2 5/8	4 1/4	2 1/16		•	
3 1/8	IM1003	4 1/4	2 3/8	2 9/16	4 1/4	2 1/16		•	
3 1/4	IM1043	4 1/2	2 3/8	2 9/16	4 1/4	2 1/16		•	
3 3/8	IM1083	4 5/8	2 3/8	2 3/4	4 1/2	2 1/4		•	
3 1/2	IM1123	4 3/4	2 3/8	3	4 3/4	2 1/4		•	
3 5/8	IM1163	5	2 3/8	2 15/16	4 3/4	2 5/16			•
3 11/16	IM1183	5 5/16	2 3/8	3 3/16	5	2 7/16			•
3 3/4	IM1203	5 1/8	2 3/8	2 7/8	4 3/4	2 3/8			•
3 13/16	IM1223	5 3/8	2 3/8	3 1/8	5	2 1/2			•
3 7/8	IM1243	5 1/4	2 3/8	3 1/8	5	2 9/16			•
3 15/16	IM1263	5 3/8	2 3/8	3 3/8	5 1/4	2 9/16			•
4	IM1283	5 1/2	2 3/8	3 1/16	5	2 9/16			•
4 1/16	IM1303	5 1/2	2 3/8	3 1/16	5	2 9/16			•
4 1/8	IM1323	5 9/16	2 3/8	3 1/16	5	2 9/16			•
4 3/16	IM1343	6	2 3/8	3	5	2 9/16			•
4 1/4	IM1363	5 3/4	2 3/8	3 1/4	5 1/4	2 5/8			•
4 5/16	IM1383	5 25/32	2 3/8	3 7/16	5 1/2	2 5/8			•
4 3/8	IM1403	5 13/16	2 3/8	3 3/16	5 1/4	2 5/8			•
4 7/16	IM1423	6	2 3/8	3 3/16	5 1/4	2 11/16			•
4 1/2	IM1443	6	2 3/8	3 3/16	5 1/4	2 5/8			•
4 9/16	IM1463	6 1/2	2 3/8	3 7/16	5 1/2	2 3/4			•
4 5/8	IM1483	6 7/16	2 3/8	3 7/8	6	3 1/16			•
4 3/4	IM1523	6 5/8	2 3/8	3 5/8	5 3/4	2 7/8			•
4 7/8	IM1563	7	2 3/8	3 9/16	5 3/4	3			•
5	IM1603	7	2 3/8	3 1/2	5 3/4	3			•
5 3/8	IM1723	7 1/2	2 3/8	4 7/16	6 3/4	3 9/16			•
5 3/4	IM1843	8 1/4	2 3/8	4 5/16	6 3/4	3 9/16			•

⚠WARNING • Read safety precautions on pages W1 to W4

FLANK DRIVE® IMPACT SOCKETS





SIM563

Deep, inches

11	6	A	B	C	D	E	Set Contains: 519SIM	520SIM	517SIM
7/8	SIM283	1 19/32	2 1/8	1 13/16	3	5/8	•		
15/16	SIM303	1 19/32	2 1/8	1 13/16	3	11/16	•		
1	SIM323	1 19/32	2 1/8	1 13/16	3	3/4	•		
1 1/16	SIM343	1 3/4	2 1/8	1 13/16	3	3/4	•		
1 1/8	SIM363	1 13/16	2 1/8	1 13/16	3	3/4	•		
1 3/16	SIM383	1 13/16	2 1/8	1 13/16	3	3/4	•		
1 1/4	SIM403	2 1/16	2 1/8	2 1/16	3 1/4	7/8	•		
1 5/16	SIM423*	2 1/16	2 1/8	2 1/16	3 1/4	7/8	•		
1 3/8	SIM443	2 1/16	2 1/8	2 1/16	3 1/4	7/8	•		
1 7/16	SIM463A	2 1/4	2 1/8	2 3/32	3 1/4	29/32	•		
1 1/2	SIM483B**	2 3/8	2 1/4	2 11/32	3 1/2	1	•		
1 9/16	SIM503A	2 3/8	2 1/4	2 11/32	3 1/2	1	•		
1 5/8	SIM523B	2 3/8	2 1/4	2 1/2	3 5/8	1	•		
1 11/16	SIM543	2 1/2	2 3/8	2 7/16	3 5/8	1 1/8	•		
1 3/4	SIM563	2 3/4	2 3/8	2 11/16	3 7/8	1 1/8	•		
1 13/16	SIM583	2 3/4	2 3/8	2 11/16	3 7/8	1 3/16	•		
1 7/8	SIM603	2 3/4	2 3/8	2 11/16	3 7/8	1 3/16	•		
1 15/16	SIM623	3	2 3/8	2 15/16	4 1/8	1 1/4	•		
2	SIM643	3	2 3/8	2 15/16	4 1/8	1 5/16	•		
2 1/16	SIM663	3	2 1/4	2 15/16	4 1/4	1 5/16		•	
2 1/8	SIM683	3 1/8	2 1/4	2 7/8	4 1/4	1 5/16		•	
2 3/16	SIM703	3 1/4	2 1/4	3 1/8	4 1/2	1 1/2		•	
2 1/4	SIM723	3 1/4	2 3/8	3 1/8	4 1/2	1 1/2		•	
2 5/16	SIM743	3 3/8	2 3/8	3 1/16	4 1/2	1 1/2		•	
2 3/8	SIM763	3 1/2	2 3/8	3 1/16	4 1/2	1 1/2		•	
2 7/16	SIM783	3 1/2	2 3/8	3 1/16	4 1/2	1 1/2		•	
2 1/2	SIM803	3 1/2	2 3/8	3 1/4	4 3/4	1 5/8		•	
2 9/16	SIM823	3 5/8	2 3/8	3 1/4	4 3/4	1 5/8		•	
2 5/8	SIM843	3 3/4	2 3/8	3 1/4	4 3/4	1 5/8		•	
2 11/16	SIM863	3 3/4	2 3/8	3 1/2	5	1 13/16		•	
2 3/4	SIM883	3 3/4	2 3/8	3 7/16	5	1 13/16		•	
2 13/16	SIM903	4	2 3/8	3 7/16	5	1 3/4		•	
2 7/8	SIM923	4	2 3/8	3 7/16	5	1 3/4		•	
2 15/16	SIM943	4 1/8	2 3/8	3 3/8	5	1 3/4		•	
3	SIM963	4 1/4	2 3/8	3 5/8	5 1/4	1 3/4		•	
3 1/8	SIM1003	4 1/4	2 3/8	3 9/16	5 1/4	1 7/8		•	
3 1/4	SIM1043	4 1/2	2 3/8	3 9/16	5 1/4	1 7/8		•	
3 3/8	SIM1083	4 1/2	2 3/8	4	5 3/4	2 1/4		•	
3 1/2	SIM1123	4 3/4	2 3/8	4	5 3/4	2 1/4		•	
3 5/8	SIM1163	5	2 3/8	3 15/16	5 3/4	2 1/4			•
3 11/16	SIM1183	5 5/16	2 3/8	3 15/16	5 3/4	2 7/16			•
3 3/4	SIM1203	5 1/8	2 3/8	3 7/8	5 3/4	2 1/4			•
3 13/16	SIM1223	5 3/8	2 3/8	4 1/8	6	2 1/2			•
3 7/8	SIM1243	5 1/4	2 3/8	4 3/8	6 1/4	2 9/16			•
3 15/16	SIM1263	5 1/2	2 3/8	4 3/8	6 1/4	2 3/8			•
4	SIM1283	5 1/2	2 3/8	4 5/16	6 1/4	2 9/16			•
4 1/16	SIM1303	5 1/2	2 3/8	4 5/16	6 1/4	2 1/2			•
4 1/8	SIM1323	5 9/16	2 3/8	4 5/16	6 1/4	2 9/16			•
4 3/16	SIM1343	6	2 3/8	4 1/4	6 1/4	2 1/2			•
4 7/16	SIM1423	6	2 3/8	4 3/16	6 1/4	2 11/16			•
4 1/2	SIM1443	6	2 3/8	4 7/16	6 1/2	2 3/4			•
4 9/16	SIM1463	6 1/2	2 3/8	4 7/16	6 1/2	2 3/4			•
4 5/8	SIM1483	6 5/8	2 3/8	4 3/8	6 1/2	2 13/16			•
4 3/4	SIM1523	6 5/8	2 3/8	4 5/8	6 3/4	2 7/8			•
4 7/8	SIM1563	7	2 3/8	4 9/16	6 3/4	3			•
5	SIM1603	7	2 3/8	4 1/2	6 3/4	3			•
5 3/8	SIM1723	7 1/2	2 3/8	5 7/16	7 3/4	3 9/16			
5 3/4	SIM1843	8 1/4	2 3/8	5 5/16	7 3/4	3 9/16			

*Applications include use on heavy duty wheel lug nuts.
**Applications include use on wheel lug nuts on stud piloted/budd style wheel systems.

FLANK DRIVE® IMPACT SOCKETS



Deep, mm

mm	6	A	B	C	D	E
30	**SIMM303**	46.0	53.7	46.0	76.2	19.1
32	**SIMM323**	52.3	53.7	76.2	82.6	22.4
33	**SIMM333***	52.3	53.7	53.3	82.5	22.4
38	**SIMM383**	60.3	57.2	59.7	88.9	25.4

*Applications include use on wheel lug nuts on Hub Piloted wheel systems.



SIMM323

Shallow Thin Wall, mm

mm	6	A	B	C	D	E
70	**IMM705TW**	91.2	82.6	67.5	114.3	44.3



IMM705TW

SPECIAL APPLICATION IMPACT SOCKETS



Shallow Single Square, inches

11	4	A	B	C	D	E
3/4	**IM724**	1 15/16	2 1/8	31/32	2 1/8	21/32
13/16	**IM726**	1 15/16	2 1/8	31/32	2 1/8	21/32
7/8	**IM728**	2 1/16	2 1/8	31/32	2 1/8	21/32
15/16	**IM730**	2 1/16	2 1/8	15/16	2 1/8	5/8
1	**IM732**	2 1/8	2 1/8	1 3/32	2 1/4	25/32
1 1/8	**IM736**	2 1/4	2 1/4	1 3/32	2 1/4	25/32



IM724

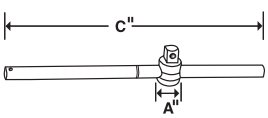
Shallow Double Square, inches

11	8	A	B	C	D	E
1 1/4	**IM740**	2 3/8	2 3/8	1 1/8	2 3/8	13/16



IM740

1 1/2" DRIVE HANDLES





L55

Sliding T-handle

Stock No.	C	Sliding Head Only Stock No.	A	Handle Stock No.
L55	36	**L55-2**	2 7/8	**L55-1**

⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

1 1/2" AND #5 SPLINE DRIVE IMPACT ACCESSORIES



IM105



Extensions with Pin Hole

Stock No.	A	B
IM105	2	10
IM155	2	15
IM205	2	20



IP85

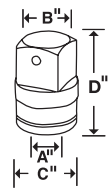


Swivel Universal Joint

Stock No.	Retention Type	A	B
IP85	Pin Hole	3 5/8	6 1/16



IM53

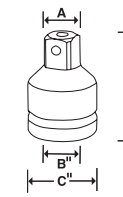


Square Drive Adaptors

Stock No.	A	B	C	D
IM35	1	1 1/2	2 1/4	3 1/2
IM53	1 1/2	1	3 1/4	4 1/4
IM59	1 1/2	2 1/2	3 1/4	4 3/4
IM95	2 1/2	1 1/2	5	6 3/8



IMSA3



Spline-to-Square Adaptor

Stock No.	A	B	C	D
IMSA3	1" Square	No. 5, 14 Tooth	2 3/8	3 3/8



IM243R



IM243P



IMR3

Ring and Pin Chart for 1", 1 1/2" and 5 Spline Drive Impact Sockets and Accessories

The following are required for tool use:

Stock No.	Description	Use with
IM243R	Rubber Locking Ring (Use with IM243P)	1" Drive Sockets/Accessories Up to 1 3/8" (35 mm) plus IM124 Adaptor
IM243P	Steel Locking Pin, use with IM243R	1" Drive Sockets/Accessories Up to 1 3/8" (35 mm)
IMR3	Socket Retainer	All 1" Drive Sockets/Accessories, All #5 Spline Drive Sockets/Accessories
IM483R	Rubber Locking Pin (Use with IM483P)	All Spline Drive Sockets/Accessories plus 1" Drive Sockets from 1 7/16" (35 mm)
IM483P	Steel Locking Pin (Use with IM483R)	All Spline Drive Sockets/Accessories plus 1" Drive Sockets from 1 7/16" (35 mm)
IM445R	Synthetic Rubber Locking Ring, for IM105, IM205, IM59, IP85 and "IGE Series" sockets	All 1 1/2" Drive Sockets/Accessories

FLANK DRIVE® IMPACT SOCKETS





IMM365

Shallow, mm

mm	6	A	B	C	D	E
36	IMM365	73.0	82.6	34.5	76.2	25.4
38	IMM385	73.0	82.6	34.5	76.2	25.4
41	IMM415	73.0	82.6	34.5	76.2	27.7
46	IMM465	79.4	82.6	40.9	82.6	29.7
50	IMM505	79.4	82.6	47.2	88.9	31.8
55	IMM555	88.9	82.6	47.2	88.9	35.6
60	IMM605	94.5	82.6	58.2	101.6	38.6
65	IMM655	99.2	82.6	56.6	101.6	41.4
70	IMM705	105.6	82.6	61.7	108.0	45.7
75	IMM755	111.1	82.6	66.5	114.3	47.2
80	IMM805	116.6	82.6	77.2	127	50.7

Shallow, inches

11	6	A	B	C	D	E	Set Contains: 619IME	616IM	618IM	609IM
1 3/8	IM445	2 7/8	3 1/4	1 3/8	3	1	•			
1 7/16	IM465	2 7/8	3 1/4	1 3/8	3	1	•			
1 1/2	IM485	3	3 1/4	1 3/8	3	1	•			
1 9/16	IM505	3	3 1/4	1 3/8	3	1	•			
1 5/8	IM525	2 7/8	3 1/4	1 3/8	3	1 1/16	•			
1 11/16	IM545	3	3 1/4	1 3/8	3	1 1/16	•			
1 3/4	IM565	3 1/8	3 1/4	1 5/8	3 1/4	1 1/8	•			
1 13/16	IM585	3 1/8	3 1/4	1 5/8	3 1/4	1 3/16	•			
1 7/8	IM605	3 1/8	3 1/4	1 7/8	3 1/2	1 3/16	•			
1 15/16	IM625A	3 1/8	3 1/4	1 7/8	3 1/2	1 1/4	•			
2	IM645	3 1/2	3 1/4	1 7/8	3 1/2	1 1/4	•			
2 1/16	IM665	3 1/2	3 1/4	1 7/8	3 1/2	1 7/16	•			
2 1/8	IM685	3 1/2	3 1/4	1 7/8	3 1/2	1 7/16	•			
2 3/16	IM705	3 1/2	3 1/4	1 7/8	3 1/2	1 1/2	•			
2 1/4	IM725A	3 3/4	3 1/4	2 1/8	3 3/4	1 7/16	•			
2 5/16	IM745	3 3/4	3 1/4	2	3 3/4	1 1/2	•			
2 3/8	IM765	3 7/8	3 1/4	2 1/4	4	1 1/2	•			
2 7/16	IM785	3 7/8	3 1/4	2 1/4	4	1 9/16	•			
2 1/2	IM805	3 7/8	3 1/4	2 1/4	4	1 5/8	•			
2 9/16	IM825	3 7/8	3 1/4	2 1/4	4	1 5/8		•		
2 5/8	IM845	4 1/16	3 1/4	2 1/2	4 1/4	1 11/16		•		
2 11/16	IM865	4 1/8	3 1/4	2 1/2	4 1/4	1 11/16		•		
2 3/4	IM885	4 1/4	3 1/4	2 3/8	4 1/4	1 13/16		•		
2 13/16	IM905	4 3/8	3 1/4	2 3/8	4 1/4	1 13/16		•		
2 7/8	IM925	4 3/8	3 1/4	2 3/8	4 1/4	1 13/16		•		
2 15/16	IM945	4 3/8	3 1/4	2 5/8	4 1/2	1 15/16		•		
3	IM965	4 7/16	3 1/4	2 5/8	4 1/2	1 15/16		•		
3 1/16	IM985	4 11/16	3 1/4	2 5/8	4 1/2	1 15/16		•		
3 1/8	IM1005	4 3/4	3 1/4	2 7/8	4 3/4	2		•		
3 3/16	IM1025	4 3/4	3 1/4	2 1/2	4 1/2	2		•		
3 1/4	IM1045	4 3/4	3 1/4	2 3/4	4 3/4	2 1/8		•		
3 5/16	IM1065	5	3 1/4	2 3/4	4 3/4	2 1/8		•		
3 3/8	IM1085	5	3 1/4	2 3/4	4 3/4	2 1/4		•		
3 7/16	IM1105	5	3 1/4	3	5	2 1/4		•		
3 1/2	IM1125	5 1/8	3 1/4	3	5	2 1/4		•		
3 9/16	IM1145	5 1/8	3 1/4	2 7/8	5	2 1/4			•	
3 5/8	IM1165	5 1/8	3 1/4	2 7/8	5	2 5/16			•	
3 11/16	IM1185	5 1/4	3 1/4	3 1/8	5 1/4	2 3/8			•	
3 3/4	IM1205	5 3/8	3 1/4	3 1/8	5 1/4	2 1/2			•	
3 13/16	IM1225	5 3/8	3 1/4	3 1/8	5 1/4	2 1/2			•	
3 7/8	IM1245	5 1/2	3 1/4	3 1/8	5 1/4	2 9/16			•	
3 15/16	IM1265	5 1/2	3 1/4	3 1/8	5 1/4	2 9/16			•	
4	IM1285	5 5/8	3 1/4	3 1/4	5 1/2	2 5/8			•	
4 1/16	IM1305	5 3/4	3 1/4	3 1/4	5 1/2	2 11/16			•	
4 1/8	IM1325	5 13/16	3 1/4	3 1/4	5 1/2	2 3/4			•	
4 1/4	IM1365	6	3 1/4	3 1/2	5 3/4	2 3/4			•	
4 5/16	IM1385	6 1/4	3 1/4	3 1/2	5 3/4	2 7/8			•	
4 3/8	IM1405	6 1/4	3 1/4	3 3/8	5 3/4	2 15/16			•	
4 7/16	IM1425	6 1/4	3 1/4	3 3/8	5 3/4	3			•	
4 1/2	IM1445	6 1/4	3 1/4	3 5/8	6	3 1/8			•	
4 5/8	IM1485	6 1/2	3 1/4	3 7/8	6 1/4	3 1/8			•	
4 3/4	IM1525	6 9/16	3 1/4	3 7/8	6 1/4	3 1/8			•	
4 7/8	IM1565	6 11/16	3 1/4	3 3/4	6 1/4	3 3/16			•	
5	IM1605	6 7/8	3 1/4	3 3/4	6 1/4	3 3/16				•
5 3/8	IM1725	7 5/16	3 1/4	3 5/8	6 1/4	3 7/16				•
5 3/4	IM1845	7 11/16	3 1/4	4 1/2	7 1/4	3 11/16				•
6 1/8	IM1965	8	3 1/4	4 3/8	7 1/4	3 15/16				•
6 1/2	IM2085	8 3/8	3 1/4	5	8	4 3/16				•
6 7/8	IM2205	8 13/16	3 1/4	4 7/8	8	4 3/8				•
7 1/4	IM2325	9 3/16	3 1/4	6 1/8	9 1/4	4 5/8				•
7 5/8	IM2445	9 1/2	3 1/4	6 1/4	9 1/2	4 7/8				•
8	IM2565	10	3 1/4	6 5/8	10	5 1/8				•





IM445

WARNING • Read safety precautions on pages W1 to W4

FLANK DRIVE® IMPACT SOCKETS





SIM485

Deep, inches

	6	A	B	C	D	E
1 3/16	SIM445	2 7/8	3 1/4	2 5/8	4 1/4	1
1 7/16	SIM465	2 7/8	3 1/4	2 5/8	4 1/4	1
1 1/2	SIM485	2 7/8	3 1/4	2 5/8	4 1/4	1
1 5/8	SIM525	2 7/8	3 1/4	2 5/8	4 1/4	1 1/8
1 11/16	SIM545	3	3 1/4	2 5/8	4 1/4	1 1/8
2	SIM645	3 3/8	3 1/4	3 1/8	4 3/4	1 1/4
2 1/16	SIM665	3 7/16	3 1/4	3 1/8	4 3/4	1 5/16
2 3/16	SIM705	3 1/2	3 1/4	3 3/8	5	1 3/8
2 1/4	SIM725	3 9/16	3 1/4	3 5/8	5 1/4	1 1/2
2 5/16	SIM745	3 5/8	3 1/4	3 1/2	5 1/4	1 9/16
2 3/8	SIM765	3 3/4	3 1/4	3 1/2	5 1/4	1 9/16
2 7/16	SIM785	3 3/4	3 1/4	3 1/2	5 1/4	1 9/16
2 1/2	SIM805	3 7/8	3 1/4	3 1/2	5 1/4	1 5/8
2 9/16	SIM825	3 7/8	3 1/4	3 3/4	5 1/2	1 5/8
2 5/8	SIM845	4	3 1/4	3 3/4	5 1/2	1 11/16
2 11/16	SIM865	4 1/8	3 1/4	3 3/4	5 1/2	1 3/4
2 3/4	SIM885	4 1/8	3 1/4	3 5/8	5 1/2	1 13/16
2 13/16	SIM905	4 1/4	3 1/4	3 7/8	5 3/4	1 13/16
2 7/8	SIM925	4 5/16	3 1/4	3 7/8	5 3/4	1 7/8
2 15/16	SIM945	4 3/8	3 1/4	3 7/8	5 3/4	1 15/16
3	SIM965	4 7/16	3 1/4	4 1/8	6	1 15/16
3 1/16	SIM985	4 9/16	3 1/4	4 1/8	6	2
3 1/8	SIM1005	4 5/8	3 1/4	4 1/8	6	2 1/16
3 3/16	SIM1025	4 11/16	3 1/4	4 1/4	6 1/4	2 1/8
3 1/4	SIM1045	4 3/4	3 1/4	4 1/4	6 1/4	2 1/8
3 5/16	SIM1065	4 7/8	3 1/4	4 1/4	6 1/4	2 3/16
3 3/8	SIM1085	4 15/16	3 1/4	4 1/4	6 1/4	2 1/4
3 7/16	SIM1105	5	3 1/4	4 1/2	6 1/2	2 1/4
3 1/2	SIM1125	5 1/16	3 1/4	4 1/2	6 1/2	2 5/16
3 9/16	SIM1145	5 1/8	3 1/4	4 3/8	6 1/2	2 3/8
3 5/8	SIM1165	5 1/4	3 1/4	4 5/8	6 3/4	2 7/16
3 11/16	SIM1185	5 5/16	3 1/4	4 5/8	6 3/4	2 7/16
3 3/4	SIM1205	5 3/8	3 1/4	4 5/8	6 3/4	2 1/2
3 13/16	SIM1225	5 7/16	3 1/4	4 7/8	7	2 1/2
3 7/8	SIM1245	5 1/2	3 1/4	4 7/8	7	2 9/16
3 15/16	SIM1265	5 5/8	3 1/4	5 1/8	7 1/4	2 9/16
4	SIM1285	5 5/8	3 1/4	5	7 1/4	2 5/8
4 1/16	SIM1305	5 3/4	3 1/4	5 1/4	7 1/2	2 11/16
4 1/8	SIM1325	5 13/16	3 1/4	5 1/4	7 1/2	2 3/4
4 1/4	SIM1365	6	3 1/4	5 1/2	7 3/4	2 13/16
4 5/16	SIM1385	6 1/4	3 1/4	5 1/2	7 3/4	3
4 3/8	SIM1405	6 1/4	3 1/4	5 3/8	7 3/4	3
4 1/2	SIM1445	6 1/4	3 1/4	5 5/8	8	3
4 5/8	SIM1485	6 3/8	3 1/4	5 5/8	8	3 1/16
4 3/4	SIM1525	6 1/2	3 1/4	5 5/8	8	3 1/16



IM243P



IM243R

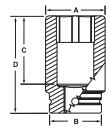
Locking Rings and Pins for 1 1/2" Extensions, Adaptors, Impact Sockets and 2 1/2" Impact Sockets

Stock No.	Description	Use with
IM243R	Rubber Locking Ring (Use with IM243P)	1" Drive Sockets/Accessories Up to 1 3/8" (35 mm) plus IM124 Adaptor
IM243P	Steel Locking Pin, (Use with IM243R)	1" Drive Sockets/Accessories Up to 1 3/8" (35 mm)
IM445R	Synthetic Rubber Locking Ring, for IM105, IM205, IM59, IP85 and "IGE Series" sockets	All 1 1/2" Drive Sockets/Accessories
IM729P	Steel Locking Pin	All 2 1/2" Drive Sockets/Accessories

FLANK DRIVE® IMPACT SOCKETS

Shallow, inches

						Set Contains:	716IM	713IM	714IM	711IM
	6	A	B	C	D		6	6	6	6
2	IM649	3 7/16	5	2 31/32	5 1/2		•			
2 3/16	IM709	3 21/32	5	3 7/32	5 3/4		•			
2 1/4	IM729	3 23/32	5	3 7/32	5 3/4		•			
2 3/8	IM769	3 7/8	5	3 15/32	6		•			
2 1/2	IM809	4	5	3 15/32	6		•			
2 9/16	IM829	4 3/32	5	3 15/32	6		•			
2 5/8	IM849	4 5/32	5	3 15/32	6		•			
2 3/4	IM889	4 5/16	5	3 23/32	6 1/4		•			
2 7/8	IM929	4 7/16	5	3 23/32	6 1/4		•			
2 15/16	IM949	4 17/32	5	3 23/32	6 1/4		•			
3	IM969	4 19/32	5	3 23/32	6 1/4		•			
3 1/8	IM1009	4 3/4	5	3 31/32	6 1/2		•			
3 1/4	IM1049	5	5	3 31/32	6 1/2		•			
3 3/8	IM1089	5	5	3 31/32	6 1/2		•			
3 7/16	IM1109	5	5	4 7/32	6 3/4		•			
3 1/2	IM1129	5 3/16	5	4 7/32	6 3/4		•			
3 5/8	IM1169	5 5/16	5	4 7/32	6 3/4			•		
3 3/4	IM1209	5 15/32	5	4 15/32	7			•		
3 7/8	IM1249	5 5/8	5	4 15/32	7			•		
4	IM1289	5 3/4	5	4 15/32	7			•		
4 1/16	IM1309	5 27/32	5	4 15/32	7			•		
4 1/8	IM1329	5 29/32	5	4 23/32	7 1/4			•		
4 1/4	IM1369	6 1/16	5	4 23/32	7 1/4			•		
4 3/8	IM1409	6 7/32	5	4 23/32	7 1/4			•		
4 1/2	IM1449	6 11/32	5	4 31/32	7 1/2			•		
4 5/8	IM1489	6 1/2	5	4 31/32	7 1/2			•		
4 3/4	IM1529	6 21/32	5	4 31/32	7 1/2			•		
4 7/8	IM1569	6 25/32	5	5 7/32	7 3/4			•		
5	IM1609	6 15/16	5	5 7/32	7 3/4			•		
5 1/8	IM1649	7 3/32	5	5 7/32	7 3/4				•	
5 1/4	IM1689	7 7/32	5	5 15/32	8				•	
5 3/8	IM1729	7 3/8	5	5 15/32	8				•	
5 7/16	IM1749	7 7/16	5	5 3/8	8				•	
5 1/2	IM1769	7 17/32	5	5 5/8	8 1/4				•	
5 5/8	IM1809	7 21/32	5	5 19/32	8 1/4				•	
5 3/4	IM1849	7 13/16	5	5 19/32	8 1/4				•	
5 7/8	IM1889	7 31/32	5	5 13/16	8 1/2				•	
6	IM1929	8 3/32	5	5 3/4	8 1/2				•	
6 1/8	IM1969	8 1/4	5	5 3/4	8 1/2				•	
6 1/4	IM20099	8 13/32	5	5 31/32	8 3/4				•	
6 3/8	IM2049	8 17/32	5	5 15/16	8 3/4				•	
6 1/2	IM2089	8 11/16	5	5 15/16	8 3/4				•	
6 5/8	IM2129	8 27/32	5	6 5/32	9				•	
6 3/4	IM2169	8 31/32	5	6 1/8	9					•
6 7/8	IM2209	9 1/8	5	6 1/8	9					•
7	IM2249	9 9/32	5	6 5/16	9 1/4					•
7 1/8	IM2289	9 13/32	5	6 5/16	9 1/4					•
7 1/4	IM2329	9 9/16	5	6 17/32	9 1/2					•
7 3/8	IM2369	9 23/32	5	6 1/2	9 1/2					•
7 1/2	IM2409	9 7/8	5	6 1/2	9 1/2					•
7 5/8	IM2449	10	5	6 23/32	9 3/4					•
7 3/4	IM2489	10 5/32	5	6 11/16	9 3/4					•
7 7/8	IM2529	10 5/16	5	6 11/16	9 3/4					•
8	IM2569	10 7/16	5	6 7/8	10					•

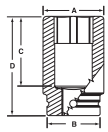




IM2209

WARNING • Read safety precautions on pages W1 to W4

FLANK DRIVE® IMPACT SOCKETS





IMM1159

Shallow, mm

mm	6	A	B	C	D	Set Contains: 713IMM	710IMM	709IMM
60	IMM609	97.6	127	88.1	152.4	•		
65	IMM659	104.0	127	88.1	152.4	•		
67	IMM679	105.6	127	88.1	152.4	•		
70	IMM709	109.5	127	94.5	158.8	•		
71	IMM719	110.3	127	94.5	158.8	•		
75	IMM759	115.1	127	94.5	158.8	•		
80	IMM809	121.4	127	100.8	165.1	•		
85	IMM859	127.0	127	100.8	165.1	•		
86	IMM869	127.0	127	100.8	165.1	•		
90	IMM909	132.6	127	107.2	171.5	•		
95	IMM959	138.9	127	107.2	171.5	•		
98	IMM989	142.1	127	113.5	177.8	•		
100	IMM1009	144.5	127	113.5	177.8	•		
105	IMM1059	150.8	127	119.9	184.2		•	
110	IMM1109	156.4	127	119.9	184.2		•	
115	IMM1159	161.9	127	126.2	190.5		•	
120	IMM1209	168.3	127	126.2	190.5		•	
125	IMM1259	173.8	127	132.6	196.9		•	
130	IMM1309	179.4	127	132.6	196.9		•	
135	IMM1359	185.7	127	138.9	203.2		•	
140	IMM1409	191.3	127	142.9	209.6		•	
145	IMM1459	196.9	127	142.1	209.6		•	
150	IMM1509	203.2	127	147.6	215.9		•	
155	IMM1559	208.8	127	146.1	215.9			•
160	IMM1609	215.1	127	151.6	222.3			•
165	IMM1659	215.1	127	150.8	222.3			•
170	IMM1709	226.2	127	156.4	228.6			•
175	IMM1759	232.6	127	161.9	235.0			•
180	IMM1809	238.1	127	160.3	235.0			•
185	IMM1859	243.7	127	165.9	241.3			•
190	IMM1909	250.0	127	165.1	241.3			•
200	IMM2009	261.9	127	169.9	247.7			•



IM243R



IM243P



IMR3

Master Ring and Pin Chart for Impact Sockets and Accessories

The following are required for tool use:

Stock No.	Description	Used With
IM182R	Rubber Locking Ring	All 3/4" Drive Sockets/Accessories
IMR2	Socket Retainer	All 3/4" Drive Sockets/Accessories
IM243R	Rubber Locking Ring (Use with IM243P)	1" Drive Sockets/Accessories Up to 1 3/8" (35 mm) plus IM124 Adaptor
IM243P	Steel Locking Pin, use with IM243R	1" Drive Sockets/Accessories Up to 1 3/8" and up to 35 mm
IMR3	Socket Retainer	All 1" Drive Sockets/Accessories, All #5 Spline Drive Sockets/Accessories
IM483R	Rubber Locking Pin (Use with IM483P)	All Spline Drive Sockets/Accessories plus 1" Drive Sockets from 1 7/16" (35 mm)
IM483P	Steel Locking Pin (Use with IM483R)	All Spline Drive Sockets/Accessories plus 1" Drive Sockets from 1 7/16" (35 mm)
IM445R	Synthetic Rubber Locking Ring, for IM105, IM205, IM59, IP85 and "IGE Series" sockets	All 1 1/2" Drive Sockets/Accessories
IM729P	Steel Locking Pin	All 2 1/2" Drive Sockets/Accessories

NO BETTER WRENCHES. NO MATTER WHERE YOU TURN.

The entire wrench line is top-of-the-line. Snap-on® wrenches are manufactured with special alloy steel, precision-forged, and heat-treated for optimum strength and durability. Nickel chrome finishing helps protect against corrosion and makes it easy to wipe clean. Longer-length handles provide increased leverage and better access to those hard to reach areas.

FLANK DRIVE® PLUS

The *Flank Drive* Plus design "bites" into the fastener for additional flat-to-flat contact and prevents slipping and rounding of the fastener. This design delivers up to 62% more turning power than conventional open-end wrenches. And, the *Flank Drive* box-end wrenching system grips the fastener flats and provides up to 15-20% more turning power.

STANDARD BOX END

The box end is rotated 7.5° away from the handle so the wrench can be flipped to get a new grip in tight situations.

Set at a 15° angle for knuckle clearance and increased access in any space.

RATCHETING BOX END

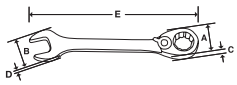
Up to 80 gear teeth let the wrench move easier with less swing arc.

Reversible, dual-pawl, ratcheting box end yields smoother operation with greater strength.



FLANK DRIVE® PLUS REVERSIBLE RATCHETING COMBINATION

- *Flank Drive* Plus profile on open end delivers up to 62% more turning power than conventional wrenches
- Longer overall length increases leverage to let the wrench do the work
- Box end utilizes the *Flank Drive* profile, the proven design for turning fasteners
- Ratcheting gear features up to 80 teeth, minimizing swing arc in tight spaces
- Low-profile, easy-action, reverse lever won't get in your way





SOEXRM710

Ratcheting Combination, Standard Handle, mm

Set Contains: SOEXRM710

mm	12	A	B	C	D	E	Reverse Lever Repair Kit	12
6	SOEXRM6	16.3	13.8	6.7	3.7	125.5	RKW12	
7	SOEXRM7	16.8	15.1	6.9	3.9	137.4	RKW1	
8	SOEXRM8	17.8	17.0	7.1	4.3	149	RKW1	
9	SOEXRM9	19.6	19.2	7.9	4.7	164	RKW2	
10	SOEXRM10	21.5	21.1	8.3	5.1	179	RKW3	•
11	SOEXRM11	22.0	23.4	8.6	5.5	194	RKW3	•
12	SOEXRM12	23.5	25.1	9.3	5.9	207	RKW4	•
13	SOEXRM13	25.0	27.2	10.2	6.3	221	RKW5	•
14	SOEXRM14	27.0	29.2	10.2	6.7	235	RKW6	•
15	SOEXRM15	28.5	31.2	11.1	7.1	249	RKW7	•
16	SOEXRM16	30.5	33.0	11.1	7.4	261	RKW8	•
17	SOEXRM17	32.0	35.1	12.0	7.8	277	RKW9	•
18	SOEXRM18	34.5	37.1	12.0	8.2	291	RKW10	•
19	SOEXRM19	36.5	39.4	12.9	8.6	305	RKW11	•

ASME® B107.100

Set includes storage tray



SOEXR707

Ratcheting Combination, Standard Handle, inches

Set Contains: SOEXR707

11	12	A	B	C	D	E	Reverse Lever Repair Kit	12
1/4	SOEXR8	21/32	9/16	9/32	5/32	4 15/16	RKW12	
5/16	SOEXR10	27/32	11/16	9/32	3/16	5 29/32	RKW1	
3/8	SOEXR12	27/32	27/32	5/16	3/16	7	RKW3	•
7/16	SOEXR14	7/8	29/32	11/32	7/32	7 5/8	RKW3	•
1/2	SOEXR16	31/32	1 1/16	13/32	1/4	8 11/16	RKW5	•
9/16	SOEXR18	1 1/16	1 5/32	13/32	1/4	9 1/4	RKW6	•
5/8	SOEXR20	1 3/16	1 5/16	7/16	9/32	10 1/4	RKW8	•
11/16	SOEXR22	1 1/4	1 3/8	15/32	5/16	10 7/8	RKW9	•
3/4	SOEXR24	1 7/16	1 9/16	1/2	11/32	12	RKW11	•

ASME B107.100

Set includes storage tray

FLANK DRIVE RATCHETING COMBINATION

- Open end features a patented geometry, providing a quick, ratchet-like action when turning fasteners
- *Flank Drive* wrenching system on box end provides up to 15%–20% more turning power, limiting the risk of tool or fastener damage
- Manufactured from special alloy steel, precision forged and heat treated for optimum strength and durability
- Ratcheting gear features up to 80 teeth, minimizing swing arc in tight spaces
- Box ends are offset 15° for knuckle clearance
- Sized for optimum comfort and balance
- Nickel-chrome plating helps protect against corrosion and makes cleaning easy



SRXRM710

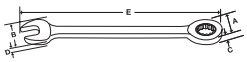
Reversible Ratcheting Box/Speed Open End, mm

Set Contains: SRXRM710

mm	12	A	B	C	D	E	Gear Teeth	12
10	SRXRM10	21.5	19.1	8.3	5.1	179	72	•
11	SRXRM11	22.0	21.0	8.6	5.6	194	72	•
12	SRXRM12	23.5	22.9	9.3	5.9	207	80	•
13	SRXRM13	25.0	24.8	10.2	6.4	221	80	•
14	SRXRM14	27.0	26.7	10.2	6.6	235	80	•
15	SRXRM15	28.5	28.6	11.1	7.4	249	80	•
16	SRXRM16	30.5	30.5	11.1	7.4	261	80	•
17	SRXRM17	32.0	32.4	12.0	7.9	277	80	•
18	SRXRM18	34.5	34.3	12.0	8.2	291	80	•
19	SRXRM19	36.5	36.2	12.9	8.6	305	80	•

ASME B107.100

Set includes storage tray





OEXRM710

Ratcheting Combination, Standard Handle, mm

Set Contains: OEXRM710

mm	12	A	B	C	D	E	12
6	**OEXRM6**	16.3	13.2	6.7	3.5	122.9	
7	**OEXRM7**	16.8	15.2	6.9	3.9	134.6	
8	**OEXRM8**	17.8	17.0	7.1	4.3	147.0	
9	**OEXRM9**	19.6	19.2	8.0	4.7	159.0	
10	**OEXRM10**	21.5	21.1	8.4	5.1	171.0	•
11	**OEXRM11**	22.0	23.4	8.7	5.6	183.0	•
12	**OEXRM12**	23.5	25.1	9.3	5.9	195.0	•
13	**OEXRM13**	25.0	27.2	10.2	6.4	207.0	•
14	**OEXRM14**	27.0	29.2	10.2	6.7	219.0	•
15	**OEXRM15**	28.5	31.2	11.1	7.1	231.0	•
16	**OEXRM16**	30.5	33.0	11.1	7.4	243.0	•
17	**OEXRM17**	32.0	35.1	12.0	7.8	255.0	•
18	**OEXRM18**	34.5	37.1	12.0	8.2	267.0	•
19	**OEXRM19**	36.5	39.4	12.9	8.7	279.0	•

ASME® B107.100 Sets include storage tray



OEXR707

Ratcheting Combination, Standard Handle, inches

Set Contains: OEXR707

	12	A	B	C	D	E	12
1/4	**OEXR8**	5/8	17/32	1/4	1/8	4 27/32	
3/8	**OEXR12**	27/32	27/32	5/16	3/16	6 3/4	•
7/16	**OEXR14**	7/8	29/32	11/32	7/32	7 3/16	•
1/2	**OEXR16**	31/32	1 1/16	13/32	1/4	8 3/16	•
9/16	**OEXR18**	1 1/16	1 5/32	13/32	1/4	8 5/8	•
5/8	**OEXR20**	1 3/16	1 5/16	15/32	9/32	5 9/16	•
11/16	**OEXR22**	1 7/32	1 3/8	15/32	5/16	10 1/16	•
3/4	**OEXR24**	1 15/32	1 9/16	1/2	11/32	11	•

ASME B107.100 Set includes storage tray



OXIRM707

Ratcheting Combination, Short Handle, mm

Set Contains: OXIRM707 OXIRM705

mm	12	A	B	C	D	E	12	12
6	**OXIRM6**	16.3	13.2	6.7	3.5	80.8		
7	**OXIRM7**	16.8	15.2	6.9	3.9	84.8		
8	**OXIRM8**	17.8	17.0	7.1	4.3	88.7	•	
9	**OXIRM9**	19.6	19.2	8.0	4.8	92.7	•	
10	**OXIRM10**	21.5	21.1	8.4	5.1	97.0	•	
11	**OXIRM11**	22.0	23.4	8.7	5.6	101.1	•	
12	**OXIRM12**	23.5	25.1	9.3	5.9	105.4	•	
13	**OXIRM13**	25.0	27.2	10.2	6.4	109.5	•	
14	**OXIRM14**	27.0	29.2	10.2	6.7	113.8	•	
15	**OXIRM15**	28.5	31.2	11.1	7.1	118.1		•
16	**OXIRM16**	30.5	33.0	11.1	7.4	122.2		•
17	**OXIRM17**	32.0	35.1	12.0	7.8	126.5		•
18	**OXIRM18**	34.5	37.1	12.0	8.2	130.6		•
19	**OXIRM19**	36.5	39.4	12.9	8.7	135.4		•

ASME B107.100 Set includes storage tray



OXIR707

Ratcheting Combination, Short Handle, inches

Set Contains: OXIR707

	12	A	B	C	D	E	12
1/4	**OXIR8**	21/32	17/32	9/32	5/32	3 3/16	
5/16	**OXIR10**	21/32	11/16	9/32	3/16	3 17/32	
3/8	**OXIR12**	27/32	27/32	5/16	3/16	3 27/32	•
7/16	**OXIR14**	7/8	29/32	11/32	7/32	3 31/32	•
1/2	**OXIR16**	31/32	1 1/16	13/32	1/4	4 5/16	•
9/16	**OXIR18**	1 1/16	1 5/32	13/32	1/4	4 15/32	•
5/8	**OXIR20**	1 3/16	1 5/16	15/32	9/32	4 13/16	•
11/16	**OXIR22**	1 7/32	1 3/8	15/32	5/16	4 31/32	•
3/4	**OXIR24**	1 15/32	1 9/16	1/2	11/32	5 11/32	•

ASME B107.100 Set includes storage tray

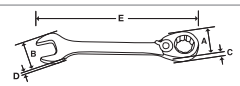
⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

REVERSIBLE RATCHETING COMBINATION Blue-Point®



BOERM712





BOER708

Ratcheting Combination, Standard Handle, 15° Offset, mm

mm	12	A	B	C	D	E	Set Contains: BOERM712 12	Set Contains: BOERM704 12
6	BOERM6	16.3	16.3	6.6	3.6	114.3		
6	BOERM7	16.5	16.4	6.6	3.9	125		
8	BOERM8	17.8	17.7	6.5	4.0	135	•	
9	BOERM9	19.5	20.0	7.4	4.0	150	•	
10	BOERM10	21.5	21.9	8.0	5.0	160	•	
11	BOERM11	22.0	23.9	8.5	5.5	170	•	
12	BOERM12	23.5	25.0	9.0	5.5	175	•	
13	BOERM13	25.0	25.9	10.0	6.3	180	•	
14	BOERM14	27.0	29.9	10.0	6.5	190	•	
15	BOERM15	28.5	31.1	11.0	7.0	200	•	
16	BOERM16	30.5	33.6	11.0	7.0	210	•	
17	BOERM17	32.0	36.5	12.0	7.0	230	•	
18	BOERM18	34.5	38.5	12.0	8.0	240	•	
19	BOERM19	36.5	38.7	12.9	8.7	250	•	
21	BOERM21	39.4	43.2	13.7	9.4	266.7		•
22	BOERM22	41.7	45.7	14.5	9.4	285.8		•
24	BOERM24	46.5	49.5	15.5	11.2	304.8		•
25	BOERM25	47.2	52.8	15.5	11.2	327.2		•

ASME® B107.100 Sets include storage tray

Ratcheting Combination, Standard Handle, 15° Offset, inches

	12	A	B	C	D	E	Set Contains: BOER708 12	Set Contains: BOER704 12
1/4	BOER8	21/32	21/32	1/4	5/32	4 1/2		
5/16	BOER10	11/16	11/16	1/4	5/32	5 5/16	•	
3/8	BOER12	27/32	7/8	5/16	3/16	6 5/16	•	
7/16	BOER14	7/8	15/16	11/32	7/32	6 11/16	•	
1/2	BOER16	31/32	1 1/32	13/32	1/4	7 1/16	•	
9/16	BOER18	1 1/16	1 3/16	13/32	1/4	7 1/2	•	
5/8	BOER20	1 3/16	1 5/16	7/16	9/32	8 1/4	•	
11/16	BOER22	1 1/4	1 7/16	15/32	9/32	9 1/16	•	
3/4	BOER24	1 7/16	1 17/32	1/2	11/32	9 13/16	•	
13/16	BOER26	1 9/16	1 23/32	17/32	3/8	10 1/2		•
7/8	BOER28	1 21/32	1 27/32	9/16	3/8	11 1/4		•
15/16	BOER30	1 27/32	1 31/32	5/8	7/16	12		•
1	BOER32	1 7/8	2 3/32	5/8	7/16	12 7/8		•

ASME B107.100 Set includes storage tray



BOERMS712



BOERS708

Ratcheting Combination, Short Handle, 15° Offset, mm

mm	12	A	B	C	D	E	Set Contains: BOERMS712 12
8	BOERMS8	17.8	17.7	6.5	4.0	90	•
9	BOERMS9	19.5	20.0	7.4	4.0	95	•
10	BOERMS10	21.5	21.9	8.0	5.0	100	•
11	BOERMS11	22.0	23.9	8.5	5.5	105	•
12	BOERMS12	23.5	25.0	9.0	5.5	110	•
13	BOERMS13	25.0	25.9	10.0	6.3	115	•
14	BOERMS14	27.0	29.9	10.0	6.5	120	•
15	BOERMS15	28.5	31.1	11.0	7.0	125	•
16	BOERMS16	30.5	33.6	11.0	7.0	128	•
17	BOERMS17	32.0	36.5	12.0	7.0	132	•
18	BOERMS18	34.5	38.5	12.0	8.0	138	•
19	BOERMS19	36.5	38.7	12.9	8.7	142	•

ASME B107.100 Set includes storage tray

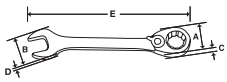
Ratcheting Combination, Short Handle, 15° Offset, inches

	12	A	B	C	D	E	Set Contains: BOERS708 12
5/16	BOERS10	11/16	11/16	1/4	5/32	3 9/16	•
3/8	BOERS12	27/32	7/8	5/16	3/16	3 15/16	•
7/16	BOERS14	7/8	15/16	11/32	7/32	4 1/8	•
1/2	BOERS16	31/32	1 1/32	13/32	1/4	4 1/2	•
9/16	BOERS18	1 1/16	1 3/16	13/32	1/4	4 3/4	•
5/8	BOERS20	1 3/16	1 5/16	7/16	9/32	5 1/16	•
11/16	BOERS22	1 1/4	1 7/16	15/32	9/32	5 3/16	•
3/4	BOERS24	1 7/16	1 17/32	1/2	11/32	5 9/16	•

ASME B107.100 Set includes storage tray







BOERMF712A

Flex-Head Ratcheting Combination, Standard Handle, 15° Offset, mm

- Flex head pivots 90° in either direction to reach hard-to-get fasteners
- Reversible, dual pawl, ratcheting box end yields smooth operation and maximum strength
- 4.5° (5° or smaller wrenches) tooth engagement; less movement to engage the next tooth
- Tough, durable, nickel-chrome finish

Set Contains: BOERMF712A

mm	12	A	B	C	D	E		12
8	BOERMF8A	17.8	17.7	6.5	4.0	142	60	•
9	BOERMF9A	19.5	20.0	7.4	4.0	152	72	•
10	BOERMF10A	21.5	21.9	8.0	5.0	162	72	•
11	BOERMF11A	22.0	23.9	8.5	5.5	172	72	•
12	BOERMF12A	23.5	25.0	9.0	5.5	180	80	•
13	BOERMF13A	25.0	25.9	10.0	6.3	188	80	•
14	BOERMF14A	27.0	29.9	10.0	6.5	196	80	•
15	BOERMF15A	28.5	31.1	11.0	7.0	204	80	•
16	BOERMF16A	30.5	33.6	11.0	7.0	214	80	•
17	BOERMF17A	32.0	36.5	12.0	7.0	228	80	•
18	BOERMF18A	34.5	38.5	12.0	8.0	242	80	•
19	BOERMF19A	36.5	38.7	12.9	8.7	256	80	•

ASME® B107.100 Sets include storage tray





BOERF708A

Flex-Head Ratcheting Combination, Standard Handle, 15° Offset, inches

Set Contains: BOERF708A

	12	A	B	C	D	E		12
5/16	BOERF10A	11/16	11/16	1/4	5/32	5 19/32	72	•
3/8	BOERF12A	27/32	7/8	5/16	3/16	6 3/8	72	•
7/16	BOERF14A	7/8	15/16	11/32	7/32	6 3/4	72	•
1/2	BOERF16A	31/32	1 1/32	13/32	1/4	7 13/32	80	•
9/16	BOERF18A	1 1/16	1 3/16	13/32	1/4	7 23/32	80	
5/8	BOERF20A	1 3/16	1 5/16	7/16	9/32	8 7/16	80	•
11/16	BOERF22A	1 1/4	1 7/16	15/32	9/32	8 31/32	80	•
3/4	BOERF24A	1 7/16	1 17/32	1/2	11/32	10 1/16	80	•

ASME B107.100 Set includes storage tray





BOERMSF712

Flex Head Ratcheting Combination, Midget Handle, 15° Offset, mm

Set Contains: BOERMSF712

mm	12	A	B	C	D	E	12
8	BOERMSF8	17.8	17.7	6.5	4.0	94	•
9	BOERMSF9	19.5	20.0	7.4	4.0	98	•
10	BOERMSF10	21.5	21.9	8	5	103	•
11	BOERMSF11	22	23.9	8.5	5.5	108	•
12	BOERMSF12	23.5	25	9	5.5	111	•
13	BOERMSF13	25	25.9	10	6.3	115	•
14	BOERMSF14	27	29.9	10	6.5	120	•
15	BOERMSF15	28.5	31.1	11	7	124	•
16	BOERMSF16	30.5	33.6	11	7	128	•
17	BOERMSF17	32	36.5	12	7	133	•
18	BOERMSF18	34.5	38.5	12	8	140	•
19	BOERMSF19	36.5	38.7	12.9	8.7	147	•

ASME B107.100 Set includes kit bag





BOERSF708

Flex Head Ratcheting Combination, Midget Handle, 15° Offset, inches

Set Contains: BOERSF708

	12	A	B	C	D	E	12
5/16	BOERSF10	11/16	11/16	1/4	5/32	3 11/16	•
3/8	BOERSF12	27/32	7/8	5/16	3/16	4 1/16	•
7/16	BOERSF14	7/8	15/16	11/32	7/32	4 1/4	•
1/2	BOERSF16	31/32	1 1/32	13/32	1/4	4 17/32	•
9/16	BOERSF18	1 1/16	1 3/16	13/32	1/4	4 23/32	•
5/8	BOERSF20	1 3/16	1 5/16	7/16	9/32	5 1/32	•
11/16	BOERSF22	1 1/4	1 7/16	15/32	9/32	5 1/4	•
3/4	BOERSF24	1 7/16	1 17/32	1/2	11/32	5 25/32	•

ASME B107.100 Set includes kit bag

⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

RATCHETING WRENCH ADAPTORS



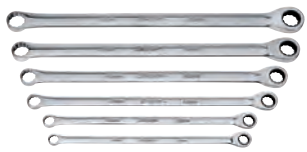
RWA2

Ratcheting Combination Wrench Adaptors

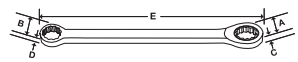
- Converts ratcheting wrench into a ratchet
- Use with reversible ratcheting box wrenches such as the SOEXRM, BOERM, BOERMF and BOERMS series
- Can be used with the combination ratcheting box wrenches such as the OEXRM and OXIRM series
- Use reverse lever on wrench to secure or remove adaptor from wrench
- Push button on adaptor to release socket

Stock No.	Configuration	Use with Ratcheting Wrench Size
RWA1	1/4" Drive	13 mm
RWA2	3/8" Drive	16 mm
RWA3	1/2" Drive	19 mm
RWA4	1/4" Hex	13 mm
RWA1FR	1/4" Drive	1/2"
RWA2FR	3/8" Drive	5/8"
RWA3FR	1/2" Drive	3/4"
RWA4FR	1/4" Hex	1/2"

FLANK DRIVE® HIGH PERFORMANCE RATCHETING BOX



XDHRM606





XDHR705

Ratcheting Box, mm

mm	12	A	B	C	D	E	Set Contains: XDHRM604 12	Set Contains: XDHRM606 12
8	XDHRM8	17.9	11.5	7.1	6.4	230.6		
9	XDHRM9	19.4	13.0	7.9	6.4	243.7		
10	XDHRM10	21.5	14.4	8.3	6.3	256.5	•	
11	XDHRM11	21.4	15.5	8.7	8.7	269.5		•
12	XDHRM12	23.4	17.1	9.1	9.1	282.6		•
13	XDHRM13	25.0	18.7	10.2	7.5	295.4	•	
14	XDHRM14	27.0	20.2	10.3	10.3	336.6		•
15	XDHRM15	28.5	21.5	11.1	8.8	349.3	•	
16	XDHRM16	30.6	22.6	11.1	11.1	362.3		•
17	XDHRM17	32.0	23.7	12.0	9.0	375.2	•	
18	XDHRM18	34.5	25.0	11.9	12.3	388.1		•
19	XDHRM19	36.5	26.2	12.7	12.3	401.2		•

Set includes kit bag

Ratcheting Box, inches

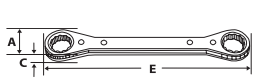
11	12	A	B	C	D	E	Set Contains: XDHR705 12
5/16	XDHR10	45/64	1/4	9/32	29/64	9 5/64	
3/8	XDHR12	27/32	9/16	21/64	19/64	10 3/32	•
7/16	XDHR14	27/32	39/64	11/32	11/32	10 39/64	•
1/2	XDHR16	63/64	23/32	13/32	23/64	11 5/8	•
9/16	XDHR18	1 1/16	13/16	13/32	13/32	13 1/4	•
5/8	XDHR20	1 13/64	7/16	7/16	57/64	14 17/64	
11/16	XDHR22	1 17/64	7/16	15/32	15/16	14 49/64	
3/4	XDHR24	1 7/16	1 3/64	1/2	31/64	15 51/64	•

Set includes kit bag

RATCHETING BOX

Snap-on® spline wrenching tools have been developed to service high tensile strength spline nuts and bolts widely used on both military and commercial aircraft.
Precise, radial spline teeth engage the fastener teeth over a wider area to minimize stress, and allow application of high torque to reduce risk of damage to the fastener or to the tool.

Chrome tools comply with Military Spec. MS-33787 and MIL-W-8982. The unique spline wrenching configuration can also be used on ordinary six- and 12-point fasteners with an advantage similar to the *Snap-on Flank Drive* wrenching system.





RES2630A

Spline, inches

	11	Stock No.	A	C	E	Number of Gear Teeth
#8–#10	1/4–5/16	RES810C	9/16–5/8	11/32	4 11/16	16–18
#12–#14	3/8–7/16	RES1214C	3/4–7/8	11/32	6 5/32	20–22
#18–#20	9/16–5/8	RES1820C	1 1/8–1 1/4	13/32	7 27/32	20–22
#26–#30	13/16–15/16	RES2630C	1 1/2–1 9/16	7/16	9 25/32	22–22





RBM1213C



RB604C

Standard Handle, 0° Offset, mm

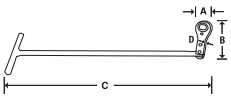
mm	6	12	A	C	E
7–8	**RBM78SC**	**RBM78C**	15.1–17.1	9.5	114.3
8–10	–	**RBM810C**	20.2–22.6	9.5	139.7
9–10	–	**RBM910C**	20.2–22.6	9.5	139.7
10–11	**RBM1011SC**	**RBM1011C**	25.8–29.4	12.7	174.6
10–12	–	**RBM1012C**	25.8–29.4	12.7	174.6
12–13	**RBM1213SC**	**RBM1213C**	25.8–29.4	12.7	174.6
12–14	–	**RBM1214C**	25.8–29.4	12.7	174.6
14–15	–	**RBM1415C**	32.9–36.5	12.7	206.4
16–18	–	**RBM1618C**	32.9–36.5	12.7	206.4
17–19	–	**RBM1719C**	32.9–36.5	12.7	206.4

Standard Handle, 0° Offset, inches

Set Contains: RB604C

	6	12	A	C	E	12
1/4–5/16	**R810SC**	**R810C**	19/32–43/64	3/8	4 1/2	
5/16–11/32	–	**R1011C**	5/8–3/4	11/32	5 3/8	
5/16–3/8	–	**R1012C**	51/64–57/64	3/8	5 1/2	
3/8–7/16	**R1214SC**	**R1214C**	51/64–57/64	3/8	5 1/2	•
1/2–9/16	**R1618SC**	**R1618C**	1 1/64–1 5/32	1/2	6 7/8	•
5/8–11/16	–	**R2022C**	1 19/64–1 7/16	1/2	8 1/8	•
5/8–3/4	–	**R2024C**	1 19/64–1 7/16	1/2	8 1/8	
3/4–13/16	–	**R2426C**	1 13/32–1 37/64	1/2	9 1/4	
3/4–7/8	–	**R2428C**	1 13/32–1 37/64	1/2	9 1/4	•
13/16–15/16	–	**R2630C**	1 13/32–1 37/64	1/2	9 1/4	
7/8–15/16	–	**R2830C**	1 29/32–2 17/64	9/16	15	
15/16–1	–	**R3032C**	1 29/32–2 17/64	9/16	15	
1 1/16–1 1/8	–	**R3436A**	2–2	9/16	12 3/4	
1 1/8–1 1/4	**R3640SA**	–	2 3/32–2 3/32	9/16	12 13/16	
1 3/16-1 1/4	–	**R3840A**	2–2	9/16	12 3/4	

Set includes storage tray





RTBM605



RTB607

T-Handle, mm

Set Contains: RTBM605 / RTBM505

mm	12	A	B	C	D	12	12
8	**RTBM8**	17.5	71.4	307.2	9.5	•	
10	**RTBM10**	23.0	76.2	307.2	9.5	•	
12	**RTBM12**	29.4	86.5	308.8	12.7	•	
13	**RTBM13**	29.4	86.5	308.8	12.7	•	
14	**RTBM14**	29.4	86.5	308.8	12.7	•	
15	**RTBM15**	36.8	98.6	308.8	12.7		•
16	**RTBM16**	36.8	98.6	308.8	12.7		•
17	**RTBM17**	36.8	98.6	308.8	12.7		•
18	**RTBM18**	36.8	98.6	308.8	12.7		•
19	**RTBM19**	36.8	98.6	308.8	12.7		•

Sets include storage tray

T-Handle, inches

Set Contains: RTB607

	12	A	B	C	D	12
1/4	**RTB8**	11/16	2 13/16	12 3/32	3/8	•
5/16	**RTB10**	11/16	2 13/16	12 3/32	3/8	•
11/32	**RTB11**	29/32	3	12 3/32	3/8	•
3/8	**RTB12**	29/32	3	12 3/32	3/8	•
7/16	**RTB14**	29/32	3	12 3/32	3/8	•
1/2	**RTB16**	1 5/32	3 13/32	12 5/32	1/2	•
9/16	**RTB18**	1 5/32	3 13/32	12 5/32	1/2	•

Set includes storage tray

⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

RATCHETING BOX Blue-Point®



BXORM706

Standard Handle, 25° Offset, Reversible, mm

mm	12	A	C	E	12
8–9	**BXORM89**	18.0–19.3	6.4–7.6	184.2	•
10–11	**BXORM1011**	21.8–22.1	8.1–8.6	203.2	•
12–13	**BXORM1213**	23.6–24.6	8.9–10.2	222.3	•
14–15	**BXORM1415**	27.2–28.7	10.2–10.9	241.3	•
16–17	**BXORM1617**	31.0–32.0	10.9–11.9	260.4	•
18–19	**BXORM1819**	34.5–36.8	12.2–13.2	279.4	•

Set Contains: BXORM706

Set includes storage tray



RBYAM605

Standard Handle, 25° Offset, mm

mm	12	A	C	E	12
7–8	**RYAM78**	15.5–16.3	9.5	105.2	•
9–10	**RYAM910**	19.8–22.6	9.5	134.5	•
11–12	**RYAM1112**	25.4–29	12.7	165.9	•
13–14	**RYAM1314**	25.4–29	12.7	165.9	•
15–17	**RYAM1517**	33–36.5	12.7	197.2	•
16–18	**RYAM1618**	33–36.5	12.7	197.2	
19–21	**RYAM1921**	35.7–40.1	12.7	224.2	

Set Contains: RBYAM605

Set includes storage tray



RBZM605

Latch-on®, 0° Offset, mm

- *Latch-on* head keeps wrench on fastener
- Ring prevents nut/fastener head from sliding through wrench

Set Contains: RBZM605

mm	12	A	C	E	12
7–8	**RBZM78**	15.1–17.1	9.5	114.3	•
9–10	**RBZM910**	20.4–22.6	9.5	140.3	•
11–12	**RBZM1112**	25.8–29.4	12.7	174.6	•
13–14	**RBZM1314**	25.8–29.4	12.7	174.6	•
15–17	**RBZM1517**	32.9–36.5	12.7	206.4	•
16–18	**RBZM1618**	32.9–36.5	12.7	206.4	
19–21	**RBZM1921**	35.7–40.1	12.7	234.9	

Set includes storage tray





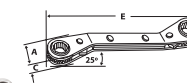
BXOR704

Standard Handle, 25° Offset, Reversible, inches

11	12	A	C	E	12
5/16–3/8	**BXOR1012**	23/32–7/8	1/4–5/16	7 1/2	•
7/16–1/2	**BXOR1416**	7/8–31/32	11/32–13/32	8 3/4	•
9/16–5/8	**BXOR1820**	1 1/16–1 7/32	13/32–7/16	9 3/4	•
11/16–3/4	**BXOR2224**	1 9/32–1 7/16	15/32–1/2	11	•

Set Contains: BXOR704

Set includes storage tray





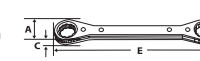
RBYA605

Standard Handle, 25° Offset, inches

11	12	A	C	E	12
1/4–5/16	**RYA810**	9/16–5/8	11/32	4 9/32	•
5/16–11/32	**RYA1011**	19/32–11/16	3/8	4 1/32	
3/8–7/16	**RYA1214**	3/4–7/8	11/32	6 5/32	•
1/2–9/16	**RYA1618**	15/16–1	13/32	6 31/32	•
5/8–11/16	**RYA2022**	1 1/8–1 1/4	13/32	7 27/32	•
3/4–7/8	**RYA2428**	1 3/8–1 1/2	7/16	8 5/8	•

Set Contains: RBYA605

Set includes storage tray





RBZ605

Latch-on, 0° Offset, inches

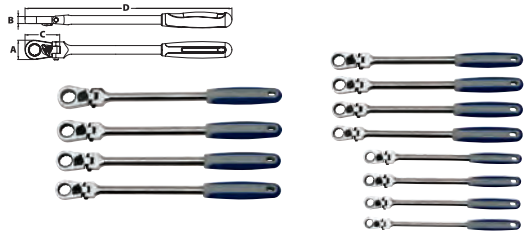
- *Latch-on* head keeps wrench on fastener
- Ring prevents nut/fastener head from sliding through wrench

Set Contains: RBZ605

11	12	A	C	E	12
1/4–5/16	**RBZ810**	19/32–11/16	3/8	4 1/2	•
3/8–7/16	**RBZ1214**	13/16–29/32	3/8	5 1/2	•
1/2–9/16	**RBZ1618**	1 1/32–1 5/32	1/2	6 7/8	•
5/8–11/16	**RBZ2022**	1 5/16–1 7/16	1/2	8 1/8	•
3/4–7/8	**RBZ2428**	1 13/32–1 19/32	1/2	9 1/4	•

Set includes storage tray

LOCKING FLEX-HEAD REVERSIBLE RATCHETING BOX Blue-Point®



BOERMFLCG712



BOERFLCG708

Locking Flex Head Ratcheting Box/Cushion Grip, mm

mm	12	A	B	C	D	Set Contains: BOERMFLCG712 — 12
8	BOERMFLCG8	17.8	6.55	32	228	•
9	BOERMFLCG9	19.5	7.45	34	229	•
10	BOERMFLCG10	21.5	8.05	38	233	•
11	BOERMFLCG11	22	8.55	40	235	•
12	BOERMFLCG12	23.5	9.05	42	285	•
13	BOERMFLCG13	25	10.05	45	287	•
14	BOERMFLCG14	27	10.05	48	289	•
15	BOERMFLCG15	28.5	11.05	52	293	•
16	BOERMFLCG16	30.5	11.05	54	347	•
17	BOERMFLCG17	32	12.05	56	348	•
18	BOERMFLCG18	34.5	12.05	60	352	•
19	BOERMFLCG19	36.5	12.95	64	354	•

ASME® B107.100 — Set includes kit bag

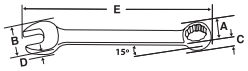
Locking Flex Head Ratcheting Box/Cushion Grip, inches

11	12	A	B	C	D	Set Contains: BOERFLCG708 — 12
5/16	BOERFLCG10	23/32	1/4	1 1/4	9	•
3/8	BOERFLCG12	27/32	5/16	1 1/2	9 1/4	•
7/16	BOERFLCG14	7/8	11/32	1 9/16	9 19/32	•
1/2	BOERFLCG16	31/32	13/32	1 25/32	11 9/32	•
9/16	BOERFLCG18	1 1/16	13/32	1 29/32	11 3/8	•
5/8	BOERFLCG20	1 7/32	7/16	2 1/8	13 21/32	•
11/16	BOERFLCG22	1 1/4	15/32	2 7/32	13 23/32	•
3/4	BOERFLCG24	1 7/16	1/2	2 17/32	13 15/16	•

ASME B107.100 — Set includes kit bag

FLANK DRIVE® PLUS COMBINATION

Snap-on® *Flank Drive* Plus combination wrenches exceed the limits of any other open end design. The open end features a series of flutes or notches that grip a fastener away from its corners much like our box ends do. Force is directed away from the weaker corners of the nut and directed to the stronger flats.



Standard Handle, mm

mm	12	A	B	C	D	E	Set Contains: SOEXM710 — 12	SOEXM707 — 12	SOEXM705 — 12
7	SOEXM7	11	15	5	4	135			
8	SOEXM8	13	17	6	4	146			
9	SOEXM9	14	19	6	5	159			
10	SOEXM10	15	21	7	5	171	•	•	
11	SOEXM11	17	23	8	6	184	•	•	
12	SOEXM12	18	25	8	6	195	•	•	
13	SOEXM13	20	27	9	6	207	•	•	
14	SOEXM14	21	29	9	7	219	•	•	
15	SOEXM15	22	31	10	7	231	•	•	
16	SOEXM16	24	33	10	7	242	•		
17	SOEXM17	25	35	11	8	255	•	•	
18	SOEXM18	27	37	12	8	267	•		
19	SOEXM19	28	39	12	9	279	•		
20	SOEXM20	30	41	13	9	292			•
21	SOEXM21	31	43	13	9	304			•
22	SOEXM22	33	46	14	10	318			•
23	SOEXM23	34	47	14	10	327			•
24	SOEXM24	35	49	15	11	337			•
25	SOEXM25	37	52	16	11	356			

ASME B107.100 — Sets include storage tray



SOEXM710

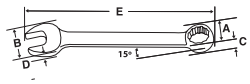
⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

FLANK DRIVE® PLUS COMBINATION

Selection, convenience and quality. *Flank Drive* Plus combination wrenches are available in many different styles and sizes. Just like all Snap-on® wrenches, they are sized for optimum comfort and balance in your hand.

Tough, durable, nickel-chrome plating produces a mirror-like finish that helps protect against corrosion and makes it easy to wipe the wrenches clean.





SOEX710

Standard Handle, inches

	12	A	B	C	D	E	SOEX710 Set Contains: 12	SOEX707 Set Contains: 12	SOEX703K1 Set Contains: 12	SOEX704 Set Contains: 12
1/4	SOEX8	13/32	17/32	3/16	5/32	5				
5/16	SOEX10	1/2	21/32	7/32	5/32	5 3/4	•			
11/32	SOEX11	17/32	23/32	1/4	3/16	6 1/8				
3/8	SOEX12	19/32	25/32	1/4	3/16	6 1/2	•	•		
7/16	SOEX14	21/32	29/32	9/32	7/32	7 1/4	•	•		
1/2	SOEX16	3/4	1 1/16	11/32	1/4	8	•	•		
9/16	SOEX18	27/32	1 5/32	3/8	9/32	8 3/4	•	•		
5/8	SOEX20	15/16	1 5/16	13/32	9/32	9 1/2	•	•		
11/16	SOEX22	1 1/32	1 13/32	7/16	5/16	10 1/4	•	•		
3/4	SOEX24	1 1/8	1 9/16	15/32	11/32	11	•	•		
13/16	SOEX26	1 3/16	1 21/32	17/32	3/8	11 3/4	•			
7/8	SOEX28	1 9/32	1 13/16	9/16	3/8	12 1/2	•			
15/16	SOEX30	1 3/8	1 29/32	19/32	13/32	13 1/4				•
1	SOEX32	1 15/32	2 1/32	5/8	7/16	14				•
1 1/16	SOEX34	1 9/16	2 5/32	19/32	15/32	14 3/4				•
1 1/8	SOEX36	1 5/8	2 5/16	11/16	15/32	15 17/32				•
1 3/16	SOEX38	1 23/32	2 13/32	23/32	1/2	16 1/4			•	
1 1/4	SOEX40	1 13/16	2 9/16	3/4	17/32	17			•	
1 5/16	SOEX42	1 29/32	2 21/32	3/4	9/16	17 25/32			•	

ASME® B107.100

Sets include storage tray



SOEXLM710B

Long Handle, mm

mm	12	A	B	C	D	E	SOEXLM710B Set Contains: 12
10	SOEXLM10B	15	21	7	5	186	•
11	SOEXLM11B	17	23	8	6	204	•
12	SOEXLM12B	18	25	8	6	218	•
13	SOEXLM13B	20	27	9	6	234	•
14	SOEXLM14B	21	29	9	7	250	•
15	SOEXLM15B	22	31	10	7	266	•
16	SOEXLM16B	24	33	10	7	280	•
17	SOEXLM17B	25	35	11	8	298	•
18	SOEXLM18B	27	37	12	8	214	•
19	SOEXLM19B	28	39	12	9	331	•

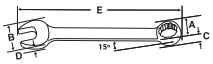


SOEXL707B

Long Handle, inches

	12	A	B	C	D	E	SOEXL707B 12
3/8	SOEXL12B	19/32	25/32	1/4	3/16	7	•
7/16	SOEXL14B	21/32	29/32	9/32	7/32	8	•
1/2	SOEXL16B	3/4	1 1/16	11/32	1/4	9	•
9/16	SOEXL18B	27/32	1 5/32	3/8	9/32	10	•
5/8	SOEXL20B	15/16	1 5/16	13/32	9/32	11	•
11/16	SOEXL22B	1 1/32	1 13/32	7/16	5/16	12	•
3/4	SOEXL24B	1 1/8	1 9/16	15/32	11/32	13	•
13/16	SOEXL26B	1 3/16	1 21/32	17/32	3/8	14	
7/8	SOEXL28B	1 9/32	1 13/16	9/16	3/8	15	
15/16	SOEXL30B	1 3/8	1 29/32	19/32	13/32	16	
1	SOEXL32B	1 15/32	2 1/32	5/8	7/16	17	

FLANK DRIVE® PLUS COMBINATION



Short Handle, mm

mm	12	A	B	C	D	E
10	**SOEXM100**	15	21	7	5	133
11	**SOEXM110**	17	23	8	6	138
12	**SOEXM120**	18	25	8	6	143
13	**SOEXM130**	20	27	9	6	148
14	**SOEXM140**	21	29	9	7	152
15	**SOEXM150**	22	31	10	7	157
17	**SOEXM170**	25	35	11	8	167



SOEXM150

FLANK DRIVE COMBINATION



OSHM713



OSHM707B



OEXM713B



OEXM710B



OEXM707B



OEXM706

Standard Handle, Chrome, mm

Set Contains:	OSHM713	OSHM707B*	OEXM25	OEXM723K	OEXM713B*	OEXM710B*	OEXM707B*	OEXM705	OEXM706

mm	6	12	A	B	C	D	E	6	6	12	12	12	12	12	12	12
7	**OSHM70B**	–	11	15	5	4	135	•								
8	**OSHM80B**	**OEXM80B**	13	17	6	4	146	•		•	•					
9	**OSHM90B**	**OEXM90B**	14	19	6	5	159	•		•	•					
10	**OSHM100B**	**OEXM100B**	15	21	7	5	171	•	•	•	•	•	•	•		
11	**OSHM110B**	**OEXM110B**	17	23	8	6	184	•	•	•	•	•	•	•		
12	**OSHM120B**	**OEXM120B**	18	25	8	6	195	•	•	•	•	•	•	•		
13	**OSHM130B**	**OEXM130B**	20	27	9	6	207	•	•	•	•	•	•	•		
14	**OSHM140B**	**OEXM140B**	21	29	9	7	219	•	•	•	•	•	•	•		
15	**OSHM150B**	**OEXM150B**	22	31	10	7	231	•	•	•	•	•	•	•		
16	**OSHM160B**	**OEXM160B**	24	33	10	7	242	•		•	•	•	•			
17	**OSHM170B**	**OEXM170B**	25	35	11	8	255	•	•	•	•	•	•	•		
18	**OSHM180B**	**OEXM180B**	27	37	12	8	267	•		•	•	•	•			
19	**OSHM190B**	**OEXM190B**	28	39	12	9	279	•		•	•	•	•			
20	–	**OEXM200B**	30	41	13	9	292			•	•	•			•	
21	–	**OEXM210B**	31	43	13	9	304			•	•	•			•	
22	–	**OEXM220B**	33	46	14	10	318			•	•	•			•	
23	–	**OEXM230B**	34	47	14	10	327			•	•				•	
24	–	**OEXM240B**	35	49	15	11	337			•	•				•	
25	–	**OEXM250B**	37	52	16	11	356			•	•					•
26	–	**OEXM260B**	38	53	16	11	363			•	•					•
27	–	**OEXM270B**	39	55	17	12	375			•	•					•
28	–	**OEXM280B**	40	56	17	12	375									•
29	–	**OEXM290B**	42	58	18	12	394			•	•					•
30	–	**OEXM300B**	44	61	19	13	413			•	•					•
32	–	**OEXM320B**	46	65	19	14	432			•	•					
34	–	**OEXM340B**	48	68	19	14	452			•						
36	–	**OEXM360B**	53	74	22	15	489			•						
Kit Bag											**C2301A**					

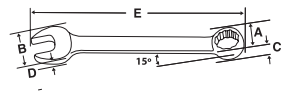
ASME®/ANSI® B107.100

*Set includes storage tray

⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

FLANK DRIVE® COMBINATION





OSH711B



OEX704B



OEX707B

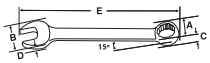
Standard Handle, Chrome, inches

Set Contains:	OSH711B*	OSH707B*	OEX724K	OEX714K	OEX710*	OEX711B*	OEX709B*	OEX707B*	OEX703K1	OEX703K2	OEX704B
11	6	12	A	B	C	D	E	6	6	12	12	12	12	12	12	12	12
1/4	–	OEX8B	13/32	17/32	3/16	5/32	5			•							
5/16	OSH10B	OEX10B	1/2	21/32	7/32	5/32	5 3/4			•		•						
11/32	OSH11B	OEX11B	17/32	3/4	1/4	3/16	6 1/8			•								
3/8	OSH12B	OEX12B	19/32	13/16	5/16	3/16	6 1/2	•	•	•	•	•	•	•	•			
7/16	OSH14B	OEX14B	21/32	29/32	5/16	7/32	7 1/4	•	•	•	•	•	•	•	•			
1/2	OSH16B	OEX16B	3/4	1 1/16	11/32	1/4	8	•	•	•	•	•	•	•	•			
9/16	OSH18B	OEX18B	27/32	1 3/16	3/8	9/32	8 3/4	•	•	•	•	•	•	•	•			
5/8	OSH20B	OEX20B	15/16	1 5/16	13/32	9/32	9 1/2	•	•	•	•	•	•	•	•			
11/16	OSH22B	OEX22B	1 1/32	1 13/32	7/16	5/16	10 1/4	•	•	•	•	•	•	•	•			
3/4	OSH24B	OEX24B	1 1/8	1 9/16	15/32	11/32	11	•	•	•	•	•	•	•	•			
13/16	OSH26B	OEX26B	1 3/16	1 21/32	17/32	3/8	11 3/4	•		•	•	•	•	•				
7/8	OSH28B	OEX28B	1 9/32	1 13/16	9/16	3/8	12 1/2	•		•	•	•	•	•				
15/16	OSH30B	OEX30B	1 3/8	1 29/32	19/32	13/32	13 1/4	•		•	•		•					•
1	OSH32B	OEX32B	1 15/32	2 1/32	21/32	7/16	14	•		•	•		•					•
1 1/16	–	OEX34B	1 9/16	2 3/16	11/16	15/32	14 3/4			•	•							•
1 1/8	–	OEX36B	1 5/8	2 5/16	11/16	17/32	15 7/16			•	•							•
1 3/16	–	OEX38B	1 3/4	2 7/16	3/4	1/2	16 5/16			•						•		
1 1/4	–	OEX40B	1 13/16	2 9/16	3/4	17/32	17 1/16			•	•					•		
1 5/16	–	OEX42B	1 29/32	2 21/32	3/4	9/16	17 13/16			•						•		
1 3/8	–	OEX44B	2	2 13/16	3/4	19/32	18 9/16			•							•	
1 7/16	–	OEX46B	2 1/16	2 29/32	7/8	19/32	19 1/32			•							•	
1 1/2	–	OEX48B	2 5/32	3 1/16	7/8	5/8	20 1/16			•							•	
1 9/16	–	OEX50B	2 1/4	3 3/16	7/8	23/32	20 13/16			•								
1 5/8	–	OEX52B	2 11/32	3 11/32	7/8	11/16	21 9/16			•								
1 11/16	–	OEX54A	2 7/16	3 13/32	7/8	23/32	22 9/32											
1 3/4	–	OEX56A	2 17/32	3 9/16	1 1/32	23/32	22 7/8											
1 13/16	–	OEX58A	2 5/8	3 21/32	1 1/32	3/4	23 15/32											
1 7/8	–	OEX60A	2 11/32	3 13/16	1 1/32	25/32	24 1/32											
2	–	OEX64A	2 7/8	4 1/16	1 1/32	27/32	25 1/4											
		Kit Bag								C2301A	C1401							

ASME® B107.100

*Set includes storage tray

OEX32B – OEX52B are full polish chrome. OEX54A – OEX64A are satin finish chrome.



Standard Handle, Industrial, mm

mm	12	A	B	C	D	E	Set Contains: GOEXM715 12
10	GOEXM100B	15	21	7	5	171	•
11	GOEXM110B	17	23	8	6	184	•
12	GOEXM120B	18	25	8	6	195	•
13	GOEXM130B	20	27	9	6	207	•
14	GOEXM140B	21	29	9	7	219	•
15	GOEXM150B	22	31	10	7	231	•
16	GOEXM160B	24	33	10	7	242	•
17	GOEXM170B	25	35	11	8	255	•
18	GOEXM180B	27	37	12	8	267	•
19	GOEXM190B	28	39	12	9	279	•
20	GOEXM200B	30	41	13	9	292	•
21	GOEXM210B	31	43	13	10	304	•
22	GOEXM220B	33	46	14	10	318	•
23	GOEXM230B	34	47	14	10	327	•
24	GOEXM240B	35	49	15	11	337	•
27	GOEXM270B	39	55	17	12	375	

ASME®/ANSI® B107.100

Set includes storage tray



GOEXM150B



GOEXM715



GOEX722K



GOEX711B

Standard Handle, Industrial, inches

11	12	A	B	C	D	E	Set Contains: GOEX722K 12	GOEX714K 12	GOEX711B* 12	GOEX707B* 12
5/16	GOEX10B	1/2	21/32	7/32	5/32	5 3/4	•			
3/8	GOEX12B	19/32	13/16	5/16	3/16	6 1/2	•	•	•	•
7/16	GOEX14B	21/32	29/32	5/16	7/32	7 1/4	•	•	•	•
1/2	GOEX16B	3/4	1 1/16	11/32	1/4	8	•	•	•	•
9/16	GOEX18B	27/32	1 3/16	3/8	9/32	8 3/4	•	•	•	•
5/8	GOEX20B	15/16	1 5/16	13/32	9/32	9 1/2	•	•	•	•
11/16	GOEX22B	1 1/32	1 13/32	7/16	5/16	10 1/4	•	•	•	•
3/4	GOEX24B	1 1/8	1 9/16	15/32	11/32	11	•	•	•	•
13/16	GOEX26B	1 3/16	1 21/32	17/32	3/8	11 3/4	•	•	•	
7/8	GOEX28B	1 9/32	1 13/16	9/16	3/8	12 1/2	•	•	•	
15/16	GOEX30B	1 3/8	1 29/32	19/32	13/32	13 1/4	•	•	•	
1	GOEX32B	1 15/32	2 1/32	21/32	7/16	14	•	•	•	
1 1/16	GOEX34B	1 9/16	2 3/16	11/16	15/32	14 3/4	•	•		
1 1/8	GOEX36B	1 5/8	2 5/16	11/16	17/32	15 7/16	•	•		
1 3/16	GOEX38B	1 3/4	2 7/16	3/4	1/2	16 5/16	•			
1 1/4	GOEX40B	1 13/16	2 9/16	3/4	17/32	17 1/16	•	•		
1 5/16	GOEX42B	1 29/32	2 21/32	3/4	9/16	17 13/16	•			
1 3/8	GOEX44B	2	2 13/16	3/4	19/32	18 9/16	•			
1 7/16	GOEX46B	2 1/16	2 29/32	7/8	19/32	19 1/32	•			
1 1/2	GOEX48B	2 5/32	3 1/16	7/8	5/8	20 1/16	•			
1 9/16	GOEX50B	2 1/4	3 3/16	7/8	23/32	20 13/16	•			
1 5/8	GOEX52B	2 11/32	3 11/32	7/8	11/16	21 9/16	•			
	Kit Bag						C2200	C1401		

ASME B107.100

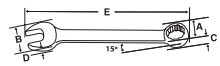
*Set includes storage tray

11	12	A	B	C	D	E
1 3/4	GOEX56A	2 17/32	3 9/16	1 1/32	23/32	22 7/8
1 13/16	GOEX58A	2 5/8	3 21/32	1 1/32	3/4	23 15/32
1 7/8	GOEX60A	2 11/32	3 13/16	1 1/32	25/32	24 1/32
2	GOEX64A	2 7/8	4 1/16	1 1/32	27/32	25 1/4
2 1/16	GOEX66A	2 31/32	4 5/32	1 1/8	27/32	25 25/32
2 1/8	GOEX68A	3 1/16	4 5/16	1 5/32	7/8	26 3/8
2 3/16	GOEX70A	3 1/8	4 13/32	1 1/8	7/8	26 31/32
2 1/4	GOEX72A	3 7/32	4 9/16	1 1/8	15/16	27 9/16
2 3/8	GOEX76A	3 13/32	4 13/16	1 9/32	31/32	28 3/4
2 1/2	GOEX80A	3 19/32	5 1/16	1 9/32	1	29 29/32
2 5/8	GOEX84A	4 7/8	6 5/8	1 5/8	1 3/16	32
2 3/4	GOEX88A	4 7/8	6 5/8	1 5/8	1 3/16	32
2 7/8	GOEX92A	4 7/8	6 5/8	1 5/8	1 3/16	32
2 15/16	GOEX94A	4 7/8	6 5/8	1 5/8	1 3/16	32
3	GOEX96A	4 7/8	6 5/8	1 5/8	1 3/16	32
3 1/8	GOEX1100A	4 7/8	6 5/8	1 5/8	1 3/16	32
3 3/8	GOEX1108A	4 7/8	6 5/8	1 5/8	1 3/16	32
3 1/2	GOEX1112A	4 7/8	6 5/8	1 5/8	1 3/16	32

⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

FLANK DRIVE® COMBINATION





OEXLM710B



OEXL707B

Long Handle, mm

Set Contains: OEXLM710B

mm	12	A	B	C	D	E	12
10	OEXLM10B	15	21	7	5	186	•
11	OEXLM11B	17	23	8	6	203	•
12	OEXLM12B	18	25	8	6	218	•
13	OEXLM13B	20	27	9	6	234	•
14	OEXLM14B	21	29	9	7	250	•
15	OEXLM15B	22	31	10	7	266	•
16	OEXLM16B	24	33	10	7	282	•
17	OEXLM17B	25	35	11	8	298	•
18	OEXLM18B	27	37	12	8	314	•
19	OEXLM19B	28	39	12	9	330	•

ASME® B107.100

Set includes storage tray

Long Handle, inches

Set Contains: OEXL707B

	12	A	B	C	D	E	12
3/8	OEXL12B	19/32	25/32	1/4	3/16	7	•
7/16	OEXL14B	21/32	29/32	5/16	7/32	8	•
1/2	OEXL16B	3/4	1 1/16	11/32	1/4	9	•
9/16	OEXL18B	27/32	1 5/32	3/8	9/32	10	•
5/8	OEXL20B	15/16	1 5/16	13/32	9/32	11	•
11/16	OEXL22B	1 1/32	1 13/32	7/16	5/16	12	•
3/4	OEXL24B	1 1/8	1 9/16	15/32	11/32	13	•
13/16	OEXL26B	1 3/16	1 21/32	17/32	3/8	14	
7/8	OEXL28B	1 9/32	1 13/16	9/16	3/8	15	
15/16	OEXL30B	1 3/8	1 29/32	19/32	13/32	16	
1	OEXL32B	1 15/32	2 1/32	5/8	7/16	17	

ASME B107.100

Set includes storage tray



GOEXM17B



OEXSM710B

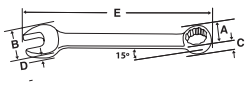
Short Handle, mm

Set Contains: OEXSM719 / OEXSM714K / OEXSM710B*

mm	12	12	A	B	C	D	E	12	12	12
6	OEXM6B	GOEXM6B	10	13	5	4	113	•	•	
7	OEXM7B	GOEXM7B	11	15	5	4	118	•	•	
8	OEXM8B	GOEXM8B	13	17	6	4	123	•	•	
9	OEXM9B	GOEXM9B	14	19	6	5	128	•	•	
10	OEXM10B	GOEXM10B	15	21	7	5	133	•	•	•
11	OEXM11B	GOEXM11B	17	23	8	6	138	•	•	•
12	OEXM12B	GOEXM12B	18	25	8	6	142	•	•	•
13	OEXM13B	GOEXM13B	20	27	9	6	148	•	•	•
14	OEXM14B	GOEXM14B	21	29	9	7	152	•	•	•
15	OEXM15B	GOEXM15B	22	31	10	7	157	•	•	•
16	OEXM16B	GOEXM16B	24	33	10	7	162	•	•	•
17	OEXM17B	GOEXM17B	25	35	11	8	167	•	•	•
18	OEXM18B	GOEXM18B	27	37	12	8	172	•	•	•
19	OEXM19B	GOEXM19B	28	39	12	9	177	•	•	•
20	OEXM20B	–	30	41	13	9	182	•		
21	OEXM21B	–	31	43	13	9	186	•		
22	OEXM22B	–	33	46	14	10	192	•		
23	OEXM23B	–	34	47	14	10	197	•		
24	OEXM24B	–	35	49	15	11	201	•		
	Kit Bag								C1402	

ASME B107.100

*Set includes storage tray



Short Handle, inches

Set Contains:								OEXS721	OEXS715K	OEXS709B*
	12	12	A	B	C	D	E	12	12	12
1/4	OEX080B	GOEX080B	13/32	17/32	3/16	5/32	4 17/32	•	•	
9/32	OEX090B	–	7/16	19/32	7/32	5/32	4 21/32	•	•	
5/16	OEX100B	GOEX100B	1/2	21/32	7/32	5/32	4 27/32	•	•	•
11/32	OEX110B	GOEX110B	17/32	23/32	1/4	3/16	5	•	•	•
3/8	OEX120B	GOEX120B	19/32	25/32	1/4	3/16	5 1/8	•	•	•
7/16	OEX140B	GOEX140B	21/32	29/32	5/16	7/32	5 7/16	•	•	•
1/2	OEX160B	GOEX160B	3/4	1 1/16	11/32	1/4	5 3/4	•	•	•
9/16	OEX180B	GOEX180B	27/32	1 5/32	3/8	9/32	6 1/16	•	•	•
5/8	OEX200B	GOEX200B	15/16	1 5/16	13/32	9/32	6 11/32	•	•	•
11/16	OEX220B	GOEX220B	1 1/32	1 13/32	7/16	5/16	6 21/32	•	•	•
3/4	OEX240B	GOEX240B	1 1/8	1 9/16	15/32	11/32	6 31/32	•	•	•
13/16	OEX260B	GOEX260B	1 3/16	1 21/32	17/32	3/8	7 9/32	•	•	
7/8	OEX280B	GOEX280B	1 9/32	1 13/16	9/16	3/8	7 9/16	•	•	
15/16	OEX300B	GOEX300B	1 3/8	1 29/32	19/32	13/32	7 7/8	•	•	
1	OEX320B	GOEX320B	1 15/32	2 1/32	5/8	7/16	8 3/16	•	•	
1 1/16	OEX340B	–	1 9/16	2 5/32	21/32	15/32	8 17/32	•		
1 1/8	OEX360B	–	1 5/8	2 5/16	11/16	1/2	8 27/32	•		
1 3/16	OEX380B	–	1 23/32	2 13/32	23/32	1/2	9 1/8	•		
1 1/4	OEX400B	–	1 13/16	2 9/16	3/4	17/32	9 7/16	•		
1 5/16	OEX420B	–	1 29/32	2 21/32	3/4	9/16	9 3/4	•		
1 3/8	OEX440B	–	2	2 13/16	3/4	19/32	10 1/16	•		
	Kit Bag								C1505	

ASME® B107.100

*Set includes storage tray



GOEX200B



OEXS715K



OEXS709B



OXIM707SBK

Midget, mm

Set Contains:									OXIM717	OXIM707SBK	OXIM710B**
mm	6	12	A	B	C	D	E		6	12
4	OXIM4SB*	–	7	10	4	3	72	6-Point	•	
5	OXIM5SB*	–	8	12	4	3	76	6-Point	•	
5.5	OXIM55SB	–	9	13	4	4	79	6-Point	•	
6	OXIM6SB	OXIM6B	10	13	5	4	81	12-Point	•	
7	OXIM7SB	OXIM7B	11	15	5	4	85	12-Point	•	
8	OXIM8SB	OXIM8B	13	17	6	4	89	12-Point	•	
9	OXIM9SB	OXIM9B	14	19	6	5	93	12-Point	•	
10	–	OXIM10B	15	21	7	5	98	12-Point		•
11	–	OXIM11B	17	23	8	6	102	12-Point		•
12	–	OXIM12B	18	25	8	6	106	12-Point		•
13	–	OXIM13B	20	27	9	6	110	12-Point		•
14	–	OXIM14B	21	29	9	7	115	12-Point		•
15	–	OXIM15B	22	31	10	7	119	12-Point		•
16	–	OXIM16B	24	33	10	7	122	12-Point		•
17	–	OXIM17B	25	35	11	8	127	12-Point		•
18	–	OXIM18B	27	37	12	8	131	12-Point		•
19	–	OXIM19B	28	39	12	9	136	12-Point		•
	Kit Bag								C0700	

ASME B107.100 *Conventional Hex

**Set includes storage tray

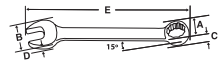
⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

FLANK DRIVE® COMBINATION



OXI709SBK



Midget Handle, inches

Set Contains:								OXI709SBK	OXI707BK	OXI715	OXI706B**
	6	12	A	B	C	D	E	6	12		12
1/8	OXI4SB*	–	7/32	11/32	1/8	1/8	2 11/16	•		6-Point	
5/32	OXI5SB*	–	9/32	13/32	5/32	1/8	2 27/32	•		6-Point	
3/16	OXI6SB*	OXI6B*	5/16	7/16	5/32	1/8	2 31/32	•	•	12-Point	
7/32	OXI7SB	OXI7B	3/8	1/2	3/16	1/8	3 3/32	•	•	12-Point	
1/4	OXI8SB	OXI8B	13/32	17/32	3/16	5/32	3 7/32	•	•	12-Point	
9/32	OXI9SB	OXI9B	7/16	19/32	7/32	5/32	3 11/32	•	•	12-Point	
5/16	OXI10SB	OXI10B	1/2	21/32	7/32	5/32	3 1/2	•	•	12-Point	
11/32	OXI11SB	OXI11B	17/32	23/32	1/4	3/16	3 5/8	•	•	12-Point	
3/8	OXI12SB	OXI12B	19/32	25/32	1/4	3/16	3 3/4	•	•	12-Point	
7/16	–	OXI14B	21/32	29/32	5/16	7/32	4 1/32			12-Point	•
1/2	–	OXI16B	3/4	1 1/16	11/32	1/4	4 9/32			12-Point	•
9/16	–	OXI18B	27/32	1 5/32	3/8	9/32	4 17/32			12-Point	•
5/8	–	OXI20B	15/16	1 5/16	13/32	9/32	4 13/16			12-Point	•
11/16	–	OXI22B	1 1/32	1 13/32	7/16	5/16	5 1/16			12-Point	•
3/4	–	OXI24B	1 1/8	1 9/16	15/32	11/32	5 11/32			12-Point	•
	Kit Bag							C0900A	C0700		

ASME® B107.100 *Conventional Hex **Set includes storage tray



FHOM606B





FHO607B

Flex-Combination, mm

Set Contains:							FHOM606B
mm	12	A	B	D	E	F	12
8	FHOM8B	12	17	5	146	6	
9	FHOM9B	13	18	5	156	6	
10	FHOM10B	14	20	5	166	6	•
11	FHOM11B	16	23	6	181	7	
12	FHOM12B	17	30	6	198	9	•
13	FHOM13B	19	27	7	205	9	•
14	FHOM14B	20	30	7	213	9	•
15	FHOM15B	21	31	7	224	10	•
16	FHOM16B	23	33	7	229	10	
17	FHOM17B	24	37	8	246	10	•
18	FHOM18B	24	38	8	254	11	
19	FHOM19B	26	40	8	261	12	

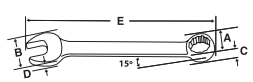
ASME B107.100 Set includes storage tray

Flex-Combination, inches

Set Contains:							FHO607B
	12	A	B	D	E	F	12
1/4	FHO8B	3/8	17/32	1/8	4 15/16	7/32	
5/16	FHO10B	15/32	21/32	3/16	5 31/32	1/4	
3/8	FHO12B	9/16	17/32	7/32	6 1/2	1/4	•
7/16	FHO14B	5/8	29/32	7/32	7 1/8	9/32	•
1/2	FHO16B	23/32	1 1/16	1/4	7 13/16	11/32	•
9/16	FHO18B	25/32	1 3/16	9/32	8 3/8	11/32	•
5/8	FHO20B	29/32	1 5/16	9/32	9	3/8	•
11/16	FHO22B	1	1 7/16	9/32	9 11/16	13/32	•
3/4	FHO24B	1 1/32	1 1/2	5/16	10 1/4	15/32	•
13/16	FHO26B	1 1/32	1 23/32	5/16	10 5/16	1/2	
7/8	FHO28B	1 3/16	1 27/32	5/16	10 15/32	9/16	

ASME B107.100 Set includes storage tray

British Standard, Short Handle





WOEX90B

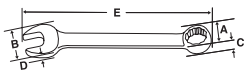
BS	Decimal Equiv., inches	12	A	B	C	D	E
3/16"	.338	WOEX6B	25/32	19/32	3/16	1/4	5 3/32
1BA	.365	WOEX70B	25/32	19/32	3/16	1/4	5 1/8
0BA	.413	WOEX80B	29/32	21/32	7/32	5/16	5 13/32
1/4"	.445	WOEX90B	29/32	21/32	7/32	5/16	5 15/32
5/16"	.525	WOEX100B	1 5/32	27/32	9/32	3/8	6 1/32
3/8"	.600	WOEX110B	1 5/16	15/16	9/32	13/32	6 11/32
7/16"	.710	WOEX120B	1 5/16	1 1/32	5/16	7/16	6 23/32

SPLINE COMBINATION

Snap-on® spline wrenching tools have been developed to service high tensile strength spline nuts and bolts widely used on both military and commercial aircraft. Precise, radial spline teeth engage the fastener teeth over a wider area to minimize stress, and allow application of high torque to reduce risk of damage to the fastener or to the tool. Chrome tools comply with Military Spec. MS-33787 and MIL-W-8982. The unique spline wrenching configuration can also be used on ordinary six- and 12-point fasteners with an advantage similar to the *Snap-on* Flank Drive® wrenching system.

Short Handle, inches

		Stock No.	A	B	C	D	E
#8	1/4	OES8B	13/32	17/32	1/8	5/32	4 1/2
#10	5/16	OES10B	15/32	21/32	11/64	15/64	4 55/64
#12	3/8	OES12B	17/32	25/32	13/64	17/64	5 7/32
#14	7/16	OES14B	5/8	29/32	15/64	5/16	5 27/64
#16	1/2	OES16B	23/32	1 1/16	1/4	5/16	5 47/64
#18	9/16	OES18B	13/16	1 3/16	17/64	21/64	6 1/32
#20	5/8	OES20B	7/8	1 5/16	9/32	11/32	6 5/16
#22	11/16	OES22B	31/32	1 7/16	19/64	23/64	6 39/64
#24	3/4	OES24B	1 1/16	1 9/16	5/16	3/8	6 29/32





OES18B

COMBINATION Blue-Point®

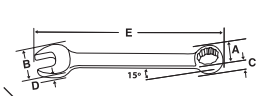


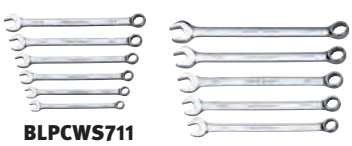
BLPCWSM712

Standard Handle, mm

mm	Stock No.	Length, mm	Set Contains: 12
8	BLPCWM8	148	•
9	BLPCWM9	160	•
10	BLPCWM10	167	•
11	BLPCWM11	186	•
12	BLPCWM12	196	•
13	BLPCWM13	205	•
14	BLPCWM14	223	•
15	BLPCWM15	233	•
16	BLPCWM16	243	•
17	BLPCWM17	262	•
18	BLPCWM18	272	•
19	BLPCWM19	281	•

Set includes storage tray





BLPCWS711

Standard Handle, inches

	Stock No.	Length, inches	Set Contains: 12
1/4	BLPCW14	5 1/32	
5/16	BLPCW516	5 7/32	
3/8	BLPCW38	6 9/16	•
7/16	BLPCW716	7 11/32	•
1/2	BLPCW12	8 1/16	•
9/16	BLPCW916	8 25/32	•
5/8	BLPCW58	9 9/16	•
11/16	BLPCW1116	10 5/16	•
3/4	BLPCW34	11 1/16	•
13/16	BLPCW1316	11 27/32	•
7/8	BLPCW78	12 9/16	•
15/16	BLPCW1516	13 11/32	•
1	BLPCW1	14 3/32	•

Set includes storage tray

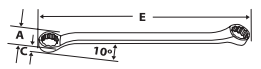
FLANK DRIVE OFFSET BOX

Standard Handle, 10° Offset, mm

mm	6	12	A	C	E	Set Contains: XBM605A 12
8–10	–	XBM810A	12.3–15	6.7–7.7	185	
10–11	–	XBM1011A	15–16.4	7.7–8.3	202	•
10–12	–	XBM1012A	15–17.7	7.7–8.8	208	
11–13	–	XBM1113A	16.4–19.1	8.3–9.3	219	
12–14	XBM1214SA	XBM1214A	17.7–20.4	8.8–9.7	230	•
13–15	XBM1315SA	XBM1315A	19.1–21.8	9.3–10.2	241	•
14–17	–	XBM1417A	20.4–24.5	9.8–11.4	248	
16–18	–	XBM1618A	23.1–25.9	10.9–11.9	275	•
17–19	–	XBM1719A	24.5–27.2	11.4–12.3	286	•
18–21	–	XBM1821A	25.9–29.9	11.9–13.3	303	
22–24	–	XBM2224A	31.3–34	13.7–14.7	342	
27–30	–	XBM2730A	38.1–42.2	16–17.3	404	

ASME® B107.100

Set includes storage tray





XBM605A

⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

FLANK DRIVE® OFFSET BOX



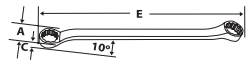
XB605A

Standard Handle, 10° Offset, inches

Set Contains: XB605A

	12	A	C	E	12
3/8–7/16	**XB1214A**	9/16–21/32	5/16–11/32	7 19/32	•
7/16–1/2	**XB1416A**	21/32–3/4	5/16–11/32	7 15/16	
1/2–9/16	**XB1618A**	3/4–13/16	11/32–3/8	8 11/16	•
9/16–5/8	**XB1820A**	13/16–29/32	13/32–7/16	9 13/32	
5/8–11/16	**XB2022A**	29/32–1	7/16–15/32	10 5/32	•
11/16–3/4	**XB2224A**	1–1 1/16	15/32–1/2	10 15/16	
3/4–13/16	**XB2426A**	1 1/16–1 5/32	1/2–17/32	11 21/32	•
7/8–15/16	**XB2830A**	1 1/4–1 11/32	17/32–9/16	13 1/8	•
15/16–1	**XB3032A**	1 11/32–1 13/32	9/16–19/32	13 7/8	
1–1 1/16	**XB3234A**	1 13/32–1 1/2	19/32–5/8	14 19/32	
1 1/16–1 1/4	**XB3440A**	1 1/2–1 3/4	5/8–23/32	16 3/32	
1 1/8–1 3/16	**XB3638A**	1 9/32–1 21/32	21/32–11/16	16 3/32	
1 1/4–1 5/16	**XB4042A**	1 3/4–1 27/32	23/32–3/4	17 19/32	
1 3/8–1 7/16	**XB4446A**	1 31/32–2 1/16	3/4–25/32	19 1/8	
1 1/2–1 5/8	**XB4852A**	2 3/32–2 9/32	13/16–7/8	20 15/16	

ASME® B107.100 — Set includes storage tray





XSM608A

Short Handle, 10° Offset, mm

Set Contains: XSM608A

mm	12	A	C	E	12
6–7	**XSM67A**	9.6–10.9	5.7–6.2	86	•
8–9	**XSM89A**	12.3–13.7	6.7–7.2	103	•
8–10	**XSM810**	12.3–15	6.7–7.7	107	
9–10	**XSM910A**	13.7–15	7.2–7.7	112	•
11–12	**XSM1112A**	16.4–17.7	8.3–8.8	128	•
13–14	**XSM1314A**	19.1–20.4	9.3–9.8	146	•
15–16	**XSM1516A**	21.8–23.1	10.2–10.9	163	•
17–19	**XSM1719A**	24.5–27.2	11.4–12.3	185	•
18–20	**XSM1820A**	25.9–28.6	11.9–12.8	194	•

ASME B107.100 — Set includes storage tray



XS609A

Short Handle, 10° Offset, inches

Set Contains: XS609A

	12	A	C	E	12
3/16–7/32	**XS67A**	5/16–11/32	7/32–7/32	3 27/32	•
1/4–5/16	**XS810A**	13/32–15/32	1/4–9/32	4 1/4	•
5/16–3/8	**XS1012A**	15/32–9/16	9/32–5/16	4 9/16	•
3/8–7/16	**XS1214A**	9/16–21/32	5/16–11/32	4 29/32	•
7/16–1/2	**XS1416A**	21/32–3/4	11/32–11/32	5 3/16	•
1/2–9/16	**XS1618A**	3/4–13/16	3/8–3/8	5 17/32	•
9/16–5/8	**XS1820A**	13/16–29/32	13/32–7/16	5 7/8	•
5/8–3/4	**XS2024A**	29/32–1 1/16	7/16–1/2	6 3/8	•
11/16–13/16	**XS2226A**	1–1 5/32	15/32–17/32	6 23/32	•

ASME B107.100 — Set includes storage tray



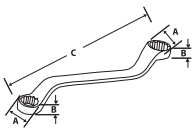
XID604KA

Midget Handle, 10° Offset, inches

Set Contains: XID604KA

	12	A	C	E	12
3/16–13/64	**XID1213A**	5/16–11/32	1/8–5/32	2 13/16	•
7/32–15/64	**XID1415A**	3/8–3/8	5/32–5/32	3 1/16	•
1/4–9/32	**XID1618A**	13/32–7/16	5/32–3/16	3 13/32	•
5/16–11/32	**XID2022A**	15/32–1/2	3/16–7/32	3 31/32	•
	Kit Bag				**C0401**

ASME B107.100



Heads of XO, XOM and XSO wrenches deep 60° offset for improved access to recessed fasteners.



XOM605

Standard Handle, Deep 60° Offset, mm

mm	12	A	B	C	12
8–10	**XOM810**	11.7–14.2	6.9–7.3	178.1	
9–10	**XOM910**	14.2–16.3	7.6	193.0	
10–11	**XOM1011**	15–16.3	7.6	193.0	•
12–14	**XOM1214**	15–20.3	9.0	210.0	•
13–14	**XOM1314**	18.8–21.2	8.9	223.3	
13–15	**XOM1315**	16.3–21.2	8.9	223.0	•
15–16	**XOM1516**	23.0–25.2	10.8	252.7	
16–18	**XOM1618**	17.7–25.4	10.8	253.0	•
17–19	**XOM1719**	17.7–27.4	11.1	260.0	•
18–20	**XOM1820**	32.5–33.3	13.8	330.0	
20–21	**XOM2021**	32.5–33.3	13.7	329.6	
22–24	**XOM2224**	31.9–34.1	13.7	329.6	

Set Contains: XOM605

ASME® B107.100

Set includes storage tray



XO605

Standard Handle, Deep 60° Offset, inches

	12	A	B	C	12
1/4–5/16	**XO810**	3/8	9/32 (1/4–9/32)	6 13/32	
5/16–3/8	**XO1012**	15/32–9/16	9/32	7	
3/8–7/16	**XO1214**	9/16–5/8	5/16	7 19/32	•
1/2–9/16	**XO1618**	23/32–13/16	11/32	8 25/32	•
9/16–5/8	**XO1820**	13/16–29/32	13/32	9 3/8	•
5/8–11/16	**XO2022**	29/32–1	13/32	9 15/16	
5/8–3/4	**XO2024**	29/32–1 3/32	7/16	10 1/4	
11/16–13/16	**XO2226**	1–1 5/32	15/32	10 27/32	•
3/4–7/8	**XO2428**	1 3/32–1 1/4	1/2	11 13/32	•
7/8–15/16	**XO2830**	1 1/4–1 11/32	17/32	12 31/32	
15/16–1	**XO3032**	1 11/32–1 7/16	9/16	13 15/16	

Set Contains: XO605

ASME/ANSI® B107.6

Set includes storage tray

Short Handle, Deep 60° Offset, inches

	12	A	B	C
1/4–9/32	**XSO89**	13/32–7/16	3/16–7/32	3 7/8
1/4–5/16	**XSO810A**	3/8–7/16	3/16–7/32	4 5/32
3/8–7/16	**XSO1214A**	17/32–5/8	1/4–9/32	4 13/16
5/8–11/16	**XSO2022**	29/32–1	3/8–7/16	6 5/16
5/8–3/4	**XSO2024A**	7/8–1 1/16	3/8–7/16	6 1/2



XSO1214A

ASME/ANSI B107.100

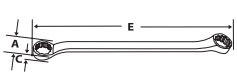
FLANK DRIVE HIGH PERFORMANCE OFFSET BOX

Standard Handle, 0° Offset Heads, mm

mm	12	A	C	E	12
6–7	**XDHFM67**	9.1–10.4	5.3–5.8	211.5	
8–9	**XDHFM89**	11.6–13.0	5.8–6.2	226.1	
8–10	**XDHFM810**	11.6–14.4	6.2–7.6	232.7	
10–11	**XDHFM1011**	14.4–15.6	7.6–8.5	253.7	•
10–12	**XDHFM1012**	14.4–17.1	8.5–9.0	272.2	
12–13	**XDHFM1213**	17.1–18.7	9.0–9.0	286.2	•
12–14	**XDHFM1214**	17.1–20.1	9.0–10.2	298.4	
13–14	**XDHFM1314**	18.7–20.1	9.0–9.7	299.2	
13–15	**XDHFM1315**	20.1–21.5	9.8–10.9	323.5	
14–15	**XDHFM1415**	20.1–21.5	9.8–10.9	323.5	•
14–17	**XDHFM1417**	20.1–23.7	9.8–11.3	345.0	
15–16	**XDHFM1516**	21.5–22.6	10.9–10.9	347.5	•
16–18	**XDHFM1618**	23.8–26.3	11.3–12.1	372.1	
17–19	**XDHFM1719**	23.8–26.3	11.3–12.1	372.1	•
18–20	**XDHFM1820**	25.0–27.3	12.1–13.6	395.7	•
21–22	**XDHFM2122**	28.8–30.6	13.7–14.6	421.2	
22–24	**XDHFM2224**	30.6–33.1	14.0–14.9	445.2	

Set Contains: XDHFM606

Set includes storage tray





XDHFM606



XDHF605

Standard Handle, 0° Offset Heads, inches

	12	A	C	E	12
1/4–5/16	**XDHF810**	13/32–15/32	7/32–1/4	8 5/16	•
3/8–7/16	**XDHF1214**	17/32–5/8	5/16–11/32	10 1/16	•
1/2–9/16	**XDHF1618**	23/32–13/16	11/32–13/32	11 3/4	•
5/8–3/4	**XDHF2024**	7/8–1 1/32	7/16–15/32	13 5/8	•
11/16–13/16	**XDHF2226**	31/32–1 5/32	15/32–17/32	15 5/8	•

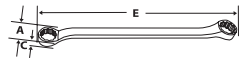
Set Contains: XDHF605

Set includes storage tray

⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

FLANK DRIVE® HIGH PERFORMANCE OFFSET BOX



Short Handle, 0° Offset Heads, mm



XDHSFM1214

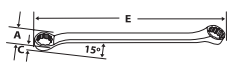
mm	12	A	C	E
8–10	XDHSFM810	12.1–14.9	6.2–7.6	162.9
10–12	XDHSFM1012	14.4–17.1	7.6–9.0	190.5
12–14	XDHSFM1214	17.1–20.1	8.5–10.2	208.8
17–19	XDHSFM1719	23.8–26.3	11.3–12.1	260.3

Short Handle, 15° Offset Heads, inches



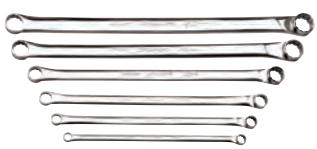
XDHS1012

	12	A	C	E
5/16–3/8	XDHS1012	31/64–9/16	1/4–5/16	7



Standard Handle, 15° Offset Heads, mm

Set Contains: XDHM606



XDHM606

mm	12	A	C	E	12
8–9	XDHM89	11.6–13.0	5.8–6.2	219.2	•
8–10	XDHM810	11.6–14.4	6.2–7.6	225.6	
10–11	XDHM1011	14.4–15.6	7.6–8.5	246.3	•
10–12	XDHM1012	14.4–17.1	7.6–9.0	264.0	
12–13	XDHM1213	17.1–18.7	9.0–9.0	277.6	•
12–14	XDHM1214	17.1–20.1	9.0–10.2	289.6	
14–15	XDHM1415	20.1–21.5	9.8–10.9	313.1	•
14–17	XDHM1417	20.1–23.7	9.8–11.3	334.7	
15–16	XDHM1516	21.5–22.6	10.9–10.9	334.8	
17–19	XDHM1719	23.7–26.3	11.3–12.1	360.1	•
18–20	XDHM1820	24.9–27.3	12.1–13.6	384.0	•

Set includes storage tray

Standard Handle, 15° Offset Heads, inches

Set Contains: XDH605



GXDH1618A



XDH605

	12	12	A	C	E	12
7/32–1/4	XDH78A	GXDH78A	11/32–3/8	13/64–15/64	7 15/64	
1/4–5/16	XDH810B	GXDH810B	3/8–29/64	1/4–1/4	8 3/64	•
5/16–3/8	XDH1012B	GXDH1012B	29/64–35/64	1/4–19/64	8 7/8	
3/8–7/16	XDH1214A	GXDH1214A	35/64–5/8	19/64–11/32	9 11/16	•
7/16–1/2	XDH1416A	GXDH1416A	11/32–3/4	11/32–23/64	10 7/16	
1/2–9/16	XDH1618A	GXDH1618A	23/32–13/16	23/64–13/32	11 7/16	•
9/16–5/8	XDH1820A	–	13/16–29/32	13/32–7/16	12 3/8	
5/8–3/4	XDH2024A	–	57/64-1 3/64	7/16–31/64	13 9/32	•
11/16–3/4	XDH2224A	–	31/32–1 1/32	15/32–3/4	14 7/32	
11/16–13/16	XDH2226A	–	63/64-1 9/64	31/64–17/32	15 5/32	•
3/4–7/8	XDH2428	–	1 3/64–1 1/64	31/64–37/64	15 3/4	
25/32–7/8	XDH2528	–	1 5/64–1 13/64	35/64–37/64	16 5/64	
15/16–1	XDH3032	–	1 5/16–1 25/64	37/64–39/64	15 1/2	
1 1/16–1 1/4	XDH3440	–	1 31/64–1 47/64	5/8–23/32	18 1/4	
1 1/4–1 5/16	XDH4042	–	1 47/64–1 13/16	23/32–47/64	19 1/4	
1 1/4–1 3/8	XDH4044	–	1 47/64–1 15/16	23/32–49/64	20 1/4	
1 1/4–1 7/16	XDH4046	–	1 47/64–2	23/32–51/64	21	
1 7/16–1 1/2	XDH4648	–	2–2 1/16	51/64–13/16	22	

Aerospace Spec. AS954E

Set includes storage tray

SPLINE OFFSET BOX

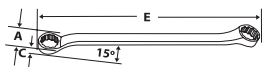
Snap-on® spline wrenching tools have been developed to service high tensile strength spline nuts and bolts widely used on both military and commercial aircraft.
Precise, radial spline teeth engage the fastener teeth over a wider area to minimize stress, and allow application of high torque to reduce risk of damage to the fastener or to the tool.

Chrome tools comply with Military Spec. MS-33787 and MIL-W-8982. The unique spline wrenching configuration can also be used on ordinary six- and 12-point fasteners with an advantage similar to the *Snap-on* Flank Drive® wrenching system.

Standard Handle, 15° Offset Heads, inches

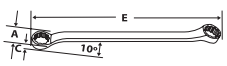


XDES1618A



		Stock No.	A	C	E
#7–#9	7/32–9/32	XDES79A	11/32–7/16	11/64–13/64	7 1/4
#8–#10	1/4–5/16	XDES810A	3/8–15/32	3/16–7/32	8 1/16
#12–#14	3/8–7/16	XDES1214A	35/64–41/64	5/16–11/32	9 3/4
#16–#18	1/2–9/16	XDES1618A	3/4–13/16	3/8–3/8	11 7/16
#18–#20	9/16–5/8	XDES1820A	13/16–57/64	25/64–13/32	12 3/8
#22–#24	11/16–3/4	XDES2224A	31/32–1 5/64	7/16–5/64	14 1/4
#26–#30	13/16–15/16	XDES2630A	1 5/32–1 5/16	1/2–9/16	16 3/16
#28–#32	7/8–1	XDES2832A	1 1/4–1 7/16	17/32–37/64	17

TORX® OFFSET BOX





XLE605

Standard Handle, *TORX*

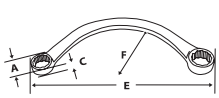
Set Contains: XLE605

#		A	C	E	
E5–E6	XLE56	9/32–5/16	5/32–3/16	6 13/32	•
E7–E8	XLE78	11/32–3/8	7/32–7/32	7 7/32	•
E10–E12	XLE1012A	15/32–17/32	1/4–5/16	8 7/8	•
E14–E16	XLE1416	5/8–23/32	11/32–11/32	10 7/16	•
E18–E20	XLE1820	13/16–7/8	13/32–7/16	12 3/8	•

ASME® B107.100

Set includes storage tray

FLANK DRIVE SPECIALTY BOX





CXM605

Half Moon, mm

Set Contains: CXM605

mm	12	A	C	E	F	12
10–12	CXM1012	15–17	6–7	128	48	•
11–13	CXM1113	16–18	8–8	144	57	•
14–17	CXM1417	20–23	9–9	166	65	•
15–19	CXM1519	22–27	10–11	198	78	•
18–21	CXM1821	27–31	11–13	224	86	•

ASME B107.100



CX605

Half Moon, inches

Set Contains: CX605

	12	A	C	E	F	12
5/16–3/8	CX1012	15/32–9/16	3/16–5/16	4 5/8	2 1/16	
7/16–1/2	CX1416	5/8–23/32	5/16–5/16	5	2 7/32	•
9/16–5/8	CX1820	13/16–7/8	11/32–3/8	6 1/2	2 9/16	•
5/8–3/4	CX2024	7/8–1 7/32	13/32–7/16	7 3/4	3 1/16	•
11/16–13/16	CX2226	31/32–1 9/32	13/32–15/32	8 1/2	3 1/2	•
7/8–15/16	CX2830	1 1/4–1 11/32	9/16–9/16	10	4 1/16	•

ASME B107.100

⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

FLANK DRIVE® SPECIALTY BOX



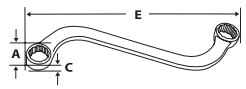
SBXM605

"S" Shaped, mm

Set Contains: SBXM605

mm	12	A	C	E	12
10–12	SBXM1012	14–18	6–8	140	•
11–13	SBXM1113	16–19	7–8	155	•
14–15	SBXM1415	21–22	9–9	190	•
16–18	SBXM1618	24–27	10–11	173	•
17–19	SBXM1719	25–28	10–12	240	•

ASME® B107.100 — Set includes storage tray





SBX605

"S" Shaped, inches

Set Contains: SBX605

11	12	A	C	E	12
5/16–3/8	SBX1012	15/32–9/16	9/16–7/32	3 3/4	•
7/16–1/2	SBX1416	21/32–3/4	9/32–5/16	5 5/16	•
9/16–5/8	SBX1820	27/32–15/16	11/32–13/32	6 7/8	•
11/16–3/4	SBX2224	1 1/32–1 1/8	13/32–15/32	8 7/16	•
13/16–7/8	SBX2628	1 7/32–1 5/16	17/32–9/16	10	•

ASME B107.100 — Set includes storage tray

OPEN END



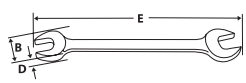
VOM1415B

Standard, mm

mm	Stock No.	B	D	E
6–7	VOM67B	13–15	4–4	97
7–8	VOM78B	15–17	4–4	106
8–9	VOM89B	17–20	4–5	119
8–10	VOM810B	17–21	4–5	121
10–11	VOM1011B	21–23	5–6	136
11–13	VOM1113B	23–27	6–6	151
12–13	VOM1213B	25–27	6–6	157
12–14	VOM1214B	25–29	6–7	162
14–15	VOM1415B	29–31	7–7	178
16–18	VOM1618B	33–37	7–8	205
17–19	VOM1719B	35–38	8–9	216
19–22	VOM1922B	39–46	9–10	245
21–24	VOM2124B	43–49	9–10	267
22–24	VOM2224B	46–49	10–10	273
27–30	VOM2730B	55–61	11–12	338
30–32	VOM3032B	61–65	12–12	368

ASME/ANSI® B107.100





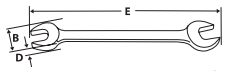
V0806B

Standard, inches

Set Contains: V0820K / V0806B*

11	Stock No.	B	D	E		
3/16–1/4	V068	13/32	9/64	3 13/32		
1/4–5/16	V0810B	17/32–21/32	5/32–5/32	4 1/16	•	•
5/16–3/8	V01012B	21/32–25/32	5/32–3/16	4 21/32	•	
3/8–7/16	V01214B	25/32–29/32	3/16–7/32	5 5/16	•	•
7/16–1/2	V01416B	29/32–1 1/16	7/32–1/4	5 15/16	•	
1/2–9/16	V01618B	1 1/16–1 5/32	1/4–9/32	6 19/32	•	•
9/16–5/8	V01820B	1 5/32–1 5/16	9/32–9/32	7 9/32	•	
5/8–11/16	V02022B	1 5/16–1 13/32	9/32–5/16	7 15/16	•	•
5/8–3/4	V02024B	1 5/16–1 9/16	9/32–11/32	8 9/32	•	
11/16–3/4	V02224B	1 13/32–1 9/16	5/16–11/32	8 5/8	•	
3/4–13/16	V02426B	1 9/16–1 21/32	11/32–3/8	9 11/32	•	•
3/4–7/8	V02428B	1 9/16–1 13/16	11/32–3/8	9 21/32	•	
13/16–7/8	V02628B	1 21/32–1 13/16	3/8–3/8	10 1/32	•	
7/8–15/16	V02830B	1 13/16–1 29/32	3/8–13/32	10 3/4	•	•
15/16–1	V03032B	1 29/32–2 1/32	13/32–13/32	11 15/32	•	
1–1 11/16	V03234B	2 1/32–2 5/32	13/32–7/16	12 7/32	•	
1 1/16–1 1/4	V03440B	2 5/32–2 17/32	7/16–1/2	12 15/16	•	
1 1/8–1 3/16	V03638B	2 5/16–2 13/32	7/16–15/32	13 23/32	•	
1 1/4–1 5/16	V04042B	2 17/32–2 21/32	1/2–1/2	15 1/4	•	
1 3/8–1 7/16	V04446B	2 13/16–2 29/32	17/32–17/32	16 7/8	•	
1 1/2–1 5/8	V04852B	3 1/16–3 5/16	9/16–19/32	18 29/32	•	
	Kit Bag				C200	

ASME/ANSI B107.100 — *Set includes storage tray



Low Torque Slimline, 15° Offset, mm

mm	Stock No.	B	D	E	Set Contains: LTAM811
6–7	**LTAM67**	13–15	3	165	•
8–10	**LTAM810**	17–21	3	165	•
10–11	**LTAM1011**	21–23	3	165	•
12–14	**LTAM1214**	25–29	4	241	•
13–15	**LTAM1315**	27–31	4	241	•
16–18	**LTAM1618**	33–37	4	241	•
17–19	**LTAM1719**	35–39	4	241	•
19–22	**LTAM1922**	39–45	4	241	•
21–24	**LTAM2124**	43–49	4	241	•
27–30	**LTAM2730**	55–61	6	311	•
32–36	**LTAM3236**	65–73	6	311	•

ASME®/ANSI® B107.100



LTAM811

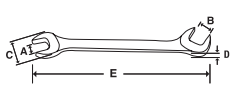
Low Torque Slimline, 15° Offset, inches

	Stock No.	B	D	E	Set Contains: LTA812	LTA805K
3/8–7/16	**LTA1214**	25/32–29/32	3/32	9 1/2	•	
7/16–1/2	**LTA1416**	29/32–1 1/32	5/32	9 1/2	•	•
1/2–9/16	**LTA1618**	1 1/32–1 5/32	5/32	9 1/2	•	•
5/8–11/16	**LTA2022**	1 9/32–1 13/32	5/32	9 1/2	•	•
3/4–13/16	**LTA2426**	1 17/32–1 11/16	5/32	9 1/2	•	
3/4–7/8	**LTA2428**	1 17/32–1 25/32	5/32	9 1/2	•	•
15/16–1	**LTA3032**	1 29/32–2 1/32	5/32	9 1/2	•	•
1 1/16–1 1/8	**LTA3436**	2 5/32–2 9/32	1/4	12 1/4	•	
1 1/4–1 5/16	**LTA4042**	2 17/32–2 21/32	1/4	12 1/4	•	
1 3/8–1 7/16	**LTA4446**	2 25/32–2 29/32	1/4	12 1/4	•	
1 1/2–1 5/8	**LTA4852**	3 1/16–3 9/32	9/32	14 1/4	•	
1 11/16–1 7/8	**LTA5460**	3 13/32–3 17/32	9/32	14 1/4	•	
	Kit Bag					**C0507**

ASME B107.100



LTA805K



Ignition, 15/60° Offset, mm

A	B	Stock No.	C	D	E	Set Contains: DSM810K
3.2	5.5	**DSM3.25.5**	8–11	3	74	•
5.5	3.2	**DSM5.53.2**	11–8	3	83	•
4	5	**DSM45**	9–11	3	77	•
5	4	**DSM54**	11–9	3	81	•
6	7	**DSM67**	12–14	3	85	•
7	6	**DSM76**	14–12	3	89	•
8	9	**DSM89**	15–17	3	93	•
9	8	**DSM98**	17–15	3	97	•
10	11	**DSM1011**	20–22	4	101	•
11	10	**DSM1110**	22–20	4	105	•
		Kit Bag				**C1003A**

ASME/ANSI B107.100



DSM810K

Ignition, 15/60° Offset, inches

A	B	Stock No.	C	D	E	Set Contains: DS809K	DS806AK
1/8	1/8	**DS88A**	5/16–5/16	1/8	2 29/32	•	
5/32	5/32	**DS1010A**	3/8–3/8	1/8	2 7/8	•	
3/16	3/16	**DS1212A**	13/32–13/32	1/8	3 1/8	•	
15/64	1/4	**DS1516A**	15/32–1/2	1/8	3 1/4	•	•
1/4	15/64	**DS1615A**	1/2–15/32	1/8	3 13/32	•	•
9/32	5/16	**DS1820A**	9/16–19/32	1/8	3 1/2	•	•
5/16	9/32	**DS2018A**	19/32–9/16	1/8	3 21/32	•	•
11/32	3/8	**DS2224A**	21/32–23/32	5/32	3 3/4	•	•
3/8	11/32	**DS2422A**	23/32–21/32	5/32	3 3/4	•	•
		Kit Bag				**C0900A**	**C0605**

ASME/ANSI B107.100

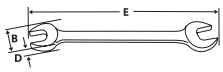


DS809K

⚠WARNING

- Use only moderate force on slim line wrenches
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

OPEN END





VSM807B

Four-Way Angle Head, mm

- Angle head wrenches offset at 30° and 60° angles to the handle
- Both ends are same size to permit use of one wrench in four positions

mm	Stock No.	B	D	E	Set Contains: VSM814	VSM807B*
10	VSM5210B	20	6	127	•	•
11	VSM5211B	22	6	137	•	•
12	VSM5212B	24	6	145	•	•
13	VSM5213B	26	6	154	•	•
14	VSM5214B	28	6	164	•	•
15	VSM5215B	30	7	173	•	•
16	VSM5216B	31	7	181	•	
17	VSM5217B	34	7	191	•	•
18	VSM5218B	36	7	200	•	
19	VSM5219B	37	7	210	•	
21	VSM5221B	41	8	228	•	
22	VSM5222B	44	8	239	•	
24	VSM5224B	47	8	254	•	
27	VSM5227B	53	9	283	•	

ASME® B107.100 *Set includes storage tray



GVS24B



VS807B

Four-Way Angle Head, inches

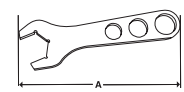
Stock No.	Industrial Stock No.	B	D	E	Set Contains: VS828A	VS814A	VS807B*
1/4	VS8B	–	17/32	3/16	3 11/16	•		
5/16	VS10B	–	21/32	3/16	4 1/4	•		
11/32	VS11B	–	23/32	7/32	4 17/32	•		
3/8	VS12B	–	25/32	7/32	4 27/32	•	•	•
7/16	VS14B	–	7/8	7/32	5 13/32	•	•	•
1/2	VS16B	GVS16B	1	1/4	5 31/32	•	•	•
9/16	VS18B	GVS18B	1 1/8	1/4	6 9/16	•	•	•
5/8	VS20B	GVS20B	1 1/4	9/32	7 1/8	•	•	•
11/16	VS22B	GVS22B	1 3/8	9/32	7 11/16	•	•	•
3/4	VS24B	GVS24B	1 15/32	9/32	8 9/32	•	•	•
13/16	VS26B	GVS26B	1 19/32	5/16	8 27/32	•	•	
7/8	VS28B	GVS28B	1 23/32	5/16	9 13/32	•	•	
15/16	VS30B	GVS30B	1 27/32	11/32	10	•	•	
1	VS32B	GVS32B	1 31/32	11/32	10 9/16	•	•	
1 1/16	VS34B	–	2 3/32	11/32	11 1/8	•	•	
1 1/8	VS36B	–	2 3/16	3/8	11 23/32	•	•	
1 3/16	VS38B	–	2 11/32	3/8	12 9/32	•		
1 1/4	VS40B	GVS40B	2 7/16	13/32	12 7/8	•	•	
1 5/16	VS42B	–	2 9/16	13/32	13 7/16	•		
1 3/8	VS44B	–	2 11/16	13/32	14	•		
1 7/16	VS46B	–	2 27/32	7/16	14 19/32	•		
1 1/2	VS48B	–	2 15/16	7/16	15 5/32	•		
1 5/8	VS52B	–	3 7/32	15/32	16 5/16	•		
1 11/16	VS54B	–	3 11/32	1/2	16 7/8	•		
1 3/4	VS56B	–	3 15/32	1/2	17 7/16	•		
1 13/16	VS58B	–	3 19/32	1/2	18	•		
1 7/8	VS60B	–	3 23/32	17/32	18 19/32	•		
2	VS64B	–	3 31/32	9/16	19 3/4	•		

ASME B107.100 *Set includes storage tray



ANWR708A

- Securely tighten expensive AN fittings to reduce risk of damage in aircraft, marine and industrial applications as well as race and show cars
- Machined from aluminum billet to exacting tolerances
- Made from quality heat treated hardened aluminum
- Corner reliefs on open end wrenches prevent rounding the corners of the fitting
- Handle length designed to apply appropriate torque without overtightening
- Open end wrenches are color-coded and stamped for quick size identification



Aluminum (for "AN" Fittings)

#	Stock No.	Color	A inches (mm)	Set Contains: ANWR708A
No. 3	1/2	ANWR3A	Silver	4 (101.6)	•
No. 4	9/16	ANWR4A	Black	4 3/4 (120.7)	•
No. 6	11/16	ANWR6A	Light Blue	5 3/4 (146.1)	•
No. 8	7/8	ANWR8A	Pink	5 3/4 (146.1)	•
No. 10	1	ANWR10A	Gold	7 1/8 (181.0)	•
No. 12	1 1/4	ANWR12A	Red	7 1/2 (190.5)	•
No. 16	1 1/2	ANWR16A	Brass	8 3/4 (222.3)	•
No. 20	1 13/16	ANWR20A	Dark Blue	9 1/4 (237.0)	•

Set includes heavy gauge vinyl pouch

OPEN END Blue-Point®



BDOEM1415

Open End, mm

mm	Stock No.	Length, mm
10–11	BDOEM1011	145
12–13	BDOEM1213	165
14–15	BDOEM1415	185
16–17	BDOEM1617	185
18–19	BDOEM1819	227

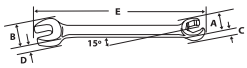


BDOE1820

Open End, inches

Stock No.	Length, inches
5/16–3/8	BDOE1012	5 5/16
7/16–1/2	BDOE1416	6 1/2
9/16–5/8	BDOE1820	7 9/32
11/16–3/4	BDOE2224	8 15/16

ASME/ANSI® B107.100



Open End and Flare Nut, mm

Set Contains: RXSM605B

mm	6	A	B	C	D	E	6
8	**RXSM8B**	17	17	7	7	135	
9	**RXSM9B**	18	19	7	7	144	
10	**RXSM10B**	20	21	8	8	152	•
11	**RXSM11B**	21	23	9	9	162	•
12	**RXSM12B**	22	25	9	9	169	•
13	**RXSM13B**	24	27	9	9	178	•
14	**RXSM14B**	25	29	10	10	186	•
15	**RXSM15B**	26	31	10	10	194	
16	**RXSM16B**	27	33	11	11	202	
17	**RXSM17B**	29	35	11	11	211	
18	**RXSM18B**	30	37	12	12	219	
19	**RXSM19B**	32	39	12	12	228	
20	**RXSM20B**	33	41	13	13	235	

ASME® B107.100

Set includes storage tray



RXSM605B

Open End and Flare Nut, inches

Set Contains: RXS605B

	6	12	A	B	C	D	E	6
3/8	**RXS12B**	–	3/4	25/32	5/16	5/16	5 27/32	•
7/16	**RXS14B**	**RXS14BS**	27/32	29/32	11/32	11/32	6 3/8	•
1/2	**RXS16B**	–	29/32	1 1/16	3/8	3/8	6 7/8	•
9/16	**RXS18B**	–	1	1 5/32	13/32	13/32	7 13/32	•
5/8	**RXS20B**	–	1 3/32	1 5/16	7/16	7/16	7 15/16	•
11/16	–	**RXS22BS**	1 5/32	1 13/32	15/32	15/32	6 15/32	
3/4	–	**RXS24BS**	1 1/4	1 9/16	1/2	1/2	9	

ASME B107.100

Set includes storage tray



RXS605B

Double End Flare Nut, mm

Set Contains: RXFMS606B

mm	12	A–B	C–D	E	12
9–11	**RXFMS911B**	18–21	7–8	145	•
10–12	**RXFMS1012B**	20–22	8–9	153	•
13–14	**RXFMS1314B**	24–25	9–10	173	•
15–17	**RXFMS1517B**	26–29	10–11	193	•
16–18	**RXFMS1618B**	28–30	11–12	200	•
19–21	**RXFMS1921B**	32–34	12–13	223	•

ANSI® B107.100

Set includes storage tray



RXFMS606B

Double End Flare Nut, inches

Set Contains: RXFS605B

	12	A–B	C–D	E	12
1/4–5/16	**RXFFS810B**	19/32–21/32	1/4–9/32	4 27/32	•
3/8–7/16	**RXFS1214B**	3/4–27/32	5/16–11/32	5 13/16	•
1/2–9/16	**RXFS1618B**	29/32–1	3/8–13/32	6 13/16	•
5/8–11/16	**RXFS2022B**	1 3/32–1 5/32	7/16–15/32	7 3/4	•
3/4–13/16	**RXFS2426B**	1 1/4–1 5/16	1/2–17/32	8 25/32	•
3/4–7/8	**RXFS2428B**	1 1/4–1 27/64	1/2–5/8	9 1/2	
3/4–1	**RXFS2432B**	1 1/4–1 9/16	1/2–5/8	9 1/2	
7/8–1 1/8	**RXFS2836B**	1 13/32–1 3/4	9/16–11/16	10 1/2	

ASME B107.100

Set includes storage tray



RXFS605B

⚠WARNING

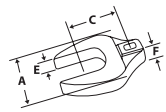
- Use only moderate force on flare nut wrenches
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

CROWFOOT WRENCHES, 1/4" DRIVE

Flank Drive® Plus, Open End, inches



TMCOS16



		A	C	D	E	F
7/16	TMCOS14	29/32	5/8	1 5/32	5/16	5/16
1/2	TMCOS16	1 1/16	21/32	1 15/64	5/16	5/16
9/16	TMCOS18	1 5/32	11/16	1 19/64	5/16	5/16

Open End, mm



107TMCOM

Set Contains: 107TMCOM

mm	Stock No.	A	C	E	F	D	
7	TMCOM7	13.5	13.2	6.6	6.6	24.4	•
8	TMCOM8	16.8	14.1	6.6	6.6	25.9	•
10	TMCOM10	19.8	14.6	6.6	6.6	27.5	•
11	TMCOM11	22.4	16.0	7.9	7.9	29.4	•
12	TMCOM12	24.4	16.5	7.9	7.9	30.6	•
13	TMCOM13	26.4	16.6	7.9	7.9	31.2	•
14	TMCOM14	29.0	17.7	7.9	7.9	32.9	•

ASME® B107.21

Set includes storage tray

Open End, inches



106TMCO

Set Contains: 106TMCO

	Stock No.	A	C	E	F	D	
1/4	TMCO8	17/32	17/32	1/4	1/4	31/32	•
5/16	TMCO10	21/32	9/16	1/4	1/4	1 1/32	•
3/8	TMCO12	25/32	19/32	1/4	1/4	1 3/32	•
7/16	TMCO14	7/8	5/8	5/16	5/16	1 5/32	•
1/2	TMCO16	1 1/32	21/32	5/16	5/16	1 1/4	•
9/16	TMCO18	1 1/8	11/16	5/16	5/16	1 9/32	•

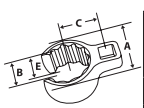
ASME B107.21

Set includes storage tray

Flank Drive Flare Nut, Shallow, inches, 12-Point



TMRX12



	12	A	B	C	E	Maximum Recommended Working Torque, in-lb
1/4	TMRX8	13/32	1/8	31/32	1/4	75
5/16	TMRX10	1/2	3/16	31/32	1/4	75
3/8	TMRX12	19/32	1/4	31/32	1/4	75

ASME B107.21

Flank Drive Flare Nut, Deep, inches, 12-Point



AN85088B

	12	A	B	C	E	Maximum Recommended Working Torque, in-lb
3/8	AN85086B	19/32	9/32	1/2	1/2	75
7/16	AN85087B	11/16	11/32	9/16	9/16	200
1/2	AN85088B	25/32	13/32	19/32	9/16	200
9/16	AN85089B	27/32	15/32	5/8	9/16	200

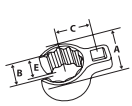
ASME B107.21

CROWFOOT WRENCHES, 3/8" DRIVE

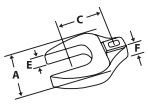
Flank Drive Plus, Open End, inches



FCOS24



	Stock No.	A	C	D	E	F
5/8	FCOS20	1 1/4	27/32	1 19/32	7/32	17/32
3/4	FCOS24	1 17/32	1	1 29/32	1/4	17/32
15/16	FCOS30	2	1 1/8	2 1/8	23/64	43/64
1 1/16	FCOS34	2	1 3/32	2 1/8	23/64	43/64





214FC



211GFCO

Open End, inches

Set Contains:	242FC	226FC	214FC	211FCOA	211GFCO

	Stock No.	Industrial Stock No.	A	C	E	F	D	Maximum Recommended Working Torque, in-lb					
3/8	FCO12A	GFCO12A	7/8	23/32	7/32	33/64	1 19/64	75				•	•
7/16	FCO14A	GFCO14A	7/8	41/64	7/32	33/64	1 17/64	75	•	•	•	•	•
1/2	FCO16A	GFCO16A	1 1/32	51/64	7/32	33/64	1 29/64	105	•	•	•	•	•
9/16	FCO18A	GFCO18A	1 1/4	59/64	7/32	33/64	1 5/8	105	•	•	•	•	•
5/8	FCO20A	GFCO20A	1 1/4	55/64	7/32	33/64	1 19/32	125	•	•	•	•	•
11/16	FCO22A	GFCO22A	1 9/16	1 3/32	7/32	33/64	1 59/64	150	•	•	•	•	•
3/4	FCO24A	GFCO24A	1 9/16	1 1/32	7/32	33/64	1 57/64	190	•	•	•	•	•
13/16	FCO26A	GFCO26A	1 23/32	1 3/32	9/32	19/32	2	245	•	•	•	•	•
7/8	FCO28A	GFCO28A	1 23/32	1 1/32	9/32	19/32	1 31/32	300	•	•	•	•	•
15/16	FCO30A	GFCO30A	2	1 5/32	11/32	21/32	2 1/8	360	•	•	•	•	•
1	FCO32A	GFCO32A	2	1 5/64	11/32	21/32	2 3/32	420	•	•	•	•	•
1 1/16	FC34B	–	1 23/32	1 1/8	3/8	39/64	1 15/32	465	•	•	•		
1 1/8	FC36A	–	1 29/32	1 5/32	3/8	39/64	2 1/16	510	•	•	•		
1 3/16	FC38A	–	1 29/32	1 13/64	3/8	39/64	2 1/16	510	•	•	•		
1 1/4	FC40A	–	2 5/32	1 15/64	3/8	41/64	2 7/32	555	•	•	•		
1 5/16	FC42A	–	2 5/32	1 17/64	3/8	41/64	2 7/32	600	•	•			
1 3/8	FC44A	–	2 3/8	1 19/64	3/8	41/64	2 3/8	680	•	•			
1 7/16	FC46A	–	2 3/8	1 11/32	3/8	41/64	2 3/8	760	•	•			
1 1/2	FC48A	–	2 17/32	1 3/8	3/8	41/64	2 1/2	795	•	•			
1 9/16	FC50A	–	2 17/32	1 13/32	3/8	41/64	2 1/2	795	•	•			
1 5/8	FC52A	–	2 21/32	1 29/64	3/8	41/64	2 19/32	820	•	•			
1 11/16	FC54A	–	2 21/32	1 31/64	3/8	41/64	2 19/32	860	•	•			
1 3/4	FC56A	–	2 7/8	1 33/64	3/8	41/64	2 3/4	910	•	•			
1 13/16	FC58A	–	2 7/8	1 35/64	3/8	41/64	2 3/4	960	•	•			
1 7/8	FC60A	–	3 5/32	1 19/32	3/8	41/64	2 55/64	1,040	•	•			
1 15/16	FC62A	–	3 5/32	1 5/8	3/8	41/64	2 55/64	1,040	•	•			
2	FC64A	–	3 13/32	1 23/32	1/2	45/64	3 1/8	1,115	•	•			
2 1/16	FC66A	–	3 13/32	1 3/4	1/2	45/64	3 1/8	1,190	•				
2 1/8	FC68A	–	3 19/32	1 25/32	1/2	45/64	3 1/4	1,190	•				
2 3/16	FC70A	–	3 19/32	1 53/64	1/2	45/64	3 1/4	1,275	•				
2 1/4	FC72A	–	3 27/32	1 15/16	1/2	45/64	3 1/2	1,370	•				
2 5/16	FC74A	–	3 27/32	1 15/16	1/2	45/64	3 1/2	1,370	•				
2 3/8	FC76A	–	4 3/32	2 1/16	1/2	45/64	3 3/4	1,450	•				
2 7/16	FC78A	–	4 3/32	2 1/8	1/2	45/64	3 3/4	1,555	•				
2 1/2	FC80A	–	4 9/32	2 11/64	1/2	45/64	3 57/64	1,555	•				
2 9/16	FC82A	–	4 9/32	2 11/64	1/2	45/64	3 57/64	1,660	•				
2 5/8	FC84A	–	4 17/32	2 21/64	1/2	45/64	4 1/8	1,760	•				
2 11/16	FC86A	–	4 17/32	2 3/8	1/2	45/64	4 1/8	1,760	•				
2 3/4	FC88A	–	4 23/32	2 7/16	1/2	45/64	4 19/64	1,900	•				
2 13/16	FC90A	–	4 23/32	2 17/32	1/2	45/64	4 19/64	2,075	•				
2 7/8	FC92A	–	5 3/32	2 41/64	1/2	45/64	4 43/64	2,075	•				
2 15/16	FC94A	–	5 3/32	2 43/64	1/2	45/64	4 5/8	2,200	•				
3	FC96A	–	5 3/32	2 23/32	1/2	45/64	4 5/8	2,200	•				

ASME®/ANSI® B107.100

⚠WARNING

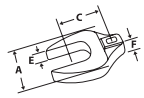
- Use only moderate force on crowfoot and flare nut wrenches
- Read safety precautions on pages W1 to W4

CROWFOOT WRENCHES, 3/8" DRIVE

Open End, mm



210FCOMA



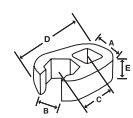
mm	Stock No.	A	C	E	F	D	Maximum Recommended Working Torque, in-lb	Set Contains: 216FCOM	210FCOMA*
9	FCOM9A	22.4	18.8	5.3	13.2	33.3	75	•	
10	FCOM10A	22.4	17.6	5.3	13.2	33.0	75	•	•
11	FCOM11A	22.4	16.6	5.3	13.2	32.3	75	•	•
12	FCOM12A	26.2	21.0	5.3	13.2	37.3	105	•	•
13	FCOM13A	26.2	19.8	5.3	13.2	36.8	105	•	•
14	FCOM14A	26.2	18.6	5.3	13.2	36.1	105	•	•
15	FCOM15A	31.8	22.7	5.3	13.2	40.9	125	•	•
16	FCOM16A	31.8	21.7	5.3	13.2	40.4	125	•	•
17	FCOM17A	31.8	20.5	5.3	13.2	39.9	125	•	•
18	FCOM18A	38.4	27.2	6.4	13.2	48.5	170	•	•
19	FCOM19A	38.4	26.2	6.4	13.2	48.0	170	•	•
20	FCOM20A	38.4	25.0	6.4	13.2	48.0	170	•	
21	FCOM21A	43.7	27.4	7.1	15.0	48.8	250	•	
22	FCOM22A	43.7	26.4	7.1	15.0	50.0	250	•	
23	FCOM23A	50.5	30.1	8.9	16.8	54.4	390	•	
24	FCOM24A	50.5	28.8	8.9	16.8	53.8	400	•	

ASME® B107.21

*Set includes storage tray



210FRHMA





207SFRH

Flank Drive® Flare Nut, mm, 6-Point

mm	6	A	B	C	D	E	Maximum Recommended Working Torque, in-lb	Set Contains: 210FRHMA 6
9	FRHM9	22.4	6.7	14.2	33.3	9.7	150	
10	FRHM10	22.9	7.4	14.2	35.3	9.7	200	•
11	FRHM11	22.9	8.3	14.2	35.3	9.7	200	•
12	FRHM12	25.4	9.0	14.2	36.6	9.7	250	•
13	FRHM13	25.4	9.4	14.2	36.6	9.7	250	•
14	FRHM14	28.4	10.5	18.8	40.9	11.2	375	•
15	FRHM15	28.4	11.2	18.8	40.9	11.2	375	•
16	FRHM16	28.4	11.7	18.8	40.9	11.2	375	•
17	FRHM17	33.3	12.6	20.6	44.7	12.7	525	•
18	FRHM18	33.3	13.6	20.6	44.7	12.7	525	•
19	FRHM19	33.3	14.7	20.6	44.7	12.7	525	•
20	FRHM20	41.1	15.2	22.1	50.3	14.2	600	
21	FRHM21	41.1	16.3	22.1	50.3	14.2	650	
22	FRHM22	41.1	17.0	22.1	50.3	14.2	650	

ASME B107.21

Set includes storage tray

Flank Drive Flare Nut, inches, 6-Point

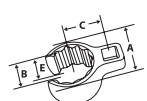
11	6	A	B	C	D	E	Maximum Recommended Working Torque, in-lb	Set Contains: 207SFRH 6
3/8	FRH120S	13/32	1/4	9/16	1 11/32	3/8	150	•
7/16	FRH140S	29/32	5/16	9/16	1 13/32	3/8	200	•
1/2	FRH160S	1	11/32	9/16	1 7/16	3/8	250	•
9/16	FRH180S	1 1/8	3/8	3/4	1 5/8	7/16	300	•
5/8	FRH200S	1 1/8	7/16	3/4	1 5/8	7/16	375	•
11/16	FRH220S	1 5/16	1/2	13/16	1 25/32	1/2	450	•
3/4	FRH240S	1 5/16	9/16	13/16	1 25/32	1/2	525	•
13/16	FRH260S	1 5/8	5/8	7/8	1 31/32	9/16	600	
7/8	FRH280S	1 5/8	23/32	7/8	1 31/32	9/16	675	
15/16	FRH300S	1 7/8	11/16	15/16	2 3/16	5/8	750	
1	FRH320S	1 7/8	3/4	15/16	2 3/16	5/8	825	

ASME B107.21

Set includes storage tray



205ANM



Flank Drive Flare Nut-Deep, mm, 12-Point

mm	12	A	B	C	E	Set Contains: 205ANM
12	ANM12	18.9	8.3	16.3	15.0	•
13	ANM13	21.2	9.7	17.7	15.0	•
14	ANM14	21.2	10.5	17.7	15.0	•
17	ANM17	26.6	13.0	19.7	19.1	•
19	ANM19	29.0	14.6	20.9	19.8	•

Set includes storage tray



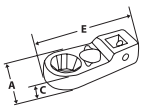
208AN

Flank Drive Flare Nut-Deep, inches, 12-Point

11	12	A	B	C	E	Maximum Recommended Working Torque, in-lb	Set Contains: 208AN 12
5/8	AN850810B	15/16	1/2	23/32	23/32	250	•
11/16	AN850811B	1 1/32	17/32	25/32	23/32	310	•
3/4	AN850812B	1 1/8	9/16	13/16	3/4	450	•
13/16	AN850813B	1 7/32	5/8	7/8	3/4	450	•
7/8	AN850814B	1 5/16	25/32	15/16	25/32	625	•
15/16	AN850815B	1 3/8	3/4	31/32	25/32	625	•
1	AN850816B	1 7/16	3/4	1	13/16	625	•
1 1/16	AN850817B	1 17/32	25/32	1 1/32	13/16	625	•

ASME/ANSI® B107.21





BFCRM712A

Ratcheting, mm Blue-Point®

mm		A	C	E	Set Contains: BFCRM712A*
8	BFCRM8A	17.8	6.5	49.3	•
9	BFCRM9A	19.5	7.4	50.8	•
10	BFCRM10A	21.5	8.0	53.8	•
11	BFCRM11A	22.0	8.5	53.8	•
12	BFCRM12A	23.5	9.0	57.2	•
13	BFCRM13A	25.0	10.0	57.2	•
14	BFCRM14A	27.0	10.0	60.3	•
15	BFCRM15A	28.5	11.0	63.5	•
16	BFCRM16A	30.5	11.0	66.7	•
17	BFCRM17A	34.5	12.0	68.3	•
18	BFCRM18A	36.5	12.0	71.4	•
19	BFCRM19A	36.5	12.9	73.0	•



BFCR708A

Ratcheting, inches *Blue-Point*

		A	C	E	Set Contains: BFCR708A*
5/16	BFCR10A	11/16	1/4	2	•
3/8	BFCR12A	27/32	5/16	2 1/8	•
7/16	BFCR14A	7/8	11/32	2 1/8	•
1/2	BFCR16A	31/32	13/32	2 1/4	•
9/16	BFCR18A	1 1/16	13/32	2 3/8	•
5/8	BFCR20A	1 3/16	7/16	2 5/8	•
11/16	BFCR22A	1 1/4	15/32	2 5/8	•
3/4	BFCR24A	1 7/16	1/2	2 7/8	•

*Set includes FXLBP10 – 10" locking extension

Set includes storage tray



ADCF8

Adjustable, inches/mm

Stock No.	Drive Size	Maximum Recommended Working Torque, in-lb
ADCF8	3/8	2,849

ADCF8 Adjustable Crowfoot Wrench
- Metric and fractional scales
- Opening range from 0"–1.14" (0 mm–29 mm)
- Lateral side nut designed to work on difficult access fasteners and minimize dirt accumulation



A277

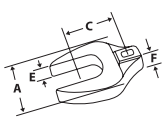
Crowfoot Wrench Holder

A277 3/8" Crowfoot Holder
- Organize and store your crowfoot wrenches
- Two-piece design snaps apart for access to desired size
- 8 3/4" long

CROWFOOT WRENCHES, 1/2" DRIVE

Open End, mm

mm		A	C	E	F	Maximum Recommended Working Torque, in-lb
20	SCOM20	40.4	42.9	7.8	15.9	1,400
21	SCOM21	40.4	42.9	7.8	15.9	1,500
22	SCOM22	44.7	44.5	8.2	15.9	1,500
23	SCOM23	48.0	44.5	8.9	15.9	1,600
24	SCOM24	46.7	44.5	8.5	15.9	1,800
25	SCOM25	51.1	45.2	8.9	15.9	1,800
26	SCOM26	53.1	45.2	9.2	15.9	1,800
27	SCOM27	53.1	44.5	9.2	15.9	2,000
28	SCOM28	53.1	43.6	9.2	15.9	2,100
30	SCOM30	59.7	44.5	9.9	15.9	2,200
32	SCOM32	62.7	50.0	10.3	15.9	2,300
34	SCOM34	62.7	51.6	10.3	15.9	2,400
35	SCOM35	69.1	50.8	11.0	15.9	2,500
36	SCOM36	69.1	50.0	11.0	15.9	2,600
38	SCOM38	75.4	50.8	11.8	15.9	2,900
40	SCOM40	75.4	51.6	11.8	15.9	3,000
41	SCOM41	81.8	50.8	12.5	15.9	3,400
42	SCOM42	81.8	50.0	12.5	15.9	3,400
46	SCOM46	91.2	51.2	13.5	15.9	4,100





SCOM32

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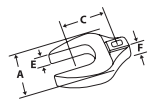
⚠WARNING

- Use only moderate force on crowfoot and flare nut wrenches
- Read safety precautions on pages W1 to W4

CROWFOOT WRENCHES, 1/2" DRIVE





314SCO

Open End, inches

Set Contains: 314SCO

		A	C	E	F	Maximum Recommended Working Torque, in-lb	
15/16	SCO30	1 27/32	1 15/32	11/32	5/8	1,800	
1	SCO32	1 31/32	1 11/16	23/64	5/8	1,900	
1 1/16	SCO34	2 3/32	1 3/4	3/8	5/8	2,000	•
1 1/8	SCO36	2 7/32	1 3/4	3/8	5/8	2,100	•
1 3/16	SCO38	2 11/32	1 3/4	13/32	5/8	2,200	•
1 1/4	SCO40	2 15/32	2	13/32	5/8	2,300	•
1 5/16	SCO42	2 19/32	2	7/16	5/8	2,400	•
1 3/8	SCO44	2 23/32	2	7/16	5/8	2,500	•
1 7/16	SCO46	2 27/32	2	7/16	5/8	2,600	•
1 1/2	SCO48	2 31/32	2	15/32	5/8	2,900	•
1 9/16	SCO50	2 31/32	1 31/32	15/32	5/8	3,000	
1 5/8	SCO52	3 7/32	1 31/32	1/2	5/8	3,400	•
1 11/16	SCO54	3 11/32	2 3/16	1/2	5/8	3,700	•
1 3/4	SCO56	3 15/32	2 3/16	17/32	5/8	3,900	•
1 13/16	SCO58	3 19/32	2 3/16	17/32	5/8	4,100	•
1 7/8	SCO60	3 23/32	2 3/16	9/16	5/8	4,300	•
2	SCO64	3 31/32	2 7/32	9/16	5/8	5,000	•
2 1/8	SCO68	3 31/32	2 7/32	37/64	5/8	5,000	
2 1/4	SCO72	3 31/32	2 13/32	37/64	5/8	5,000	
2 3/8	SCO76	4 3/8	2 31/64	19/32	5/8	5,000	
2 7/16	SCO78	4 3/8	2 7/16	19/32	5/8	5,000	
2 1/2	SCO80	4 3/8	2 13/32	19/32	5/8	5,000	

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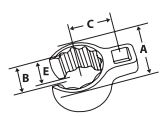



315AN

Flank Drive® Flare Nut, Deep, inches, 12-Point

Set Contains: 315AN

		A	B	C	E	Maximum Recommended Working Torque, in-lb	12
1 1/8	AN850818B	1 5/8	27/32	1 5/32	7/8	825	•
1 3/16	AN850819B	1 11/16	29/32	1 3/16	7/8	825	•
1 1/4	AN850820B	1 25/32	15/16	1 7/32	7/8	825	•
1 5/16	AN850821B	1 27/32	31/32	1 1/4	7/8	900	•
1 3/8	AN850822B	1 15/16	1 1/16	1 5/16	15/16	900	•
1 7/16	AN850823B	2	1 1/16	1 11/32	15/16	900	•
1 1/2	AN850824B	2 3/32	1 1/8	1 3/8	15/16	900	•
1 9/16	AN850825B	2 5/32	1 5/32	1 13/32	15/16	900	•
1 5/8	AN850826B	2 7/32	1 7/32	1 7/16	15/16	1,100	•
1 11/16	AN850827B	2 5/16	1 5/16	1 1/2	1 1/32	1,100	•
1 3/4	AN850828B	2 3/8	1 5/16	1 9/16	1 1/32	1,150	•
1 13/16	AN850829B	2 15/32	1 11/32	1 19/32	1 1/32	1,200	•
1 7/8	AN850830B	2 9/16	1 3/8	1 21/32	1 1/16	1,200	•
1 15/16	AN850831B	2 5/8	1 7/16	1 11/16	1 1/16	1,200	•
2	AN850832B	2 23/32	1 9/16	1 23/32	1 1/16	1,400	•
2 1/8	AN850834B	2 7/8	1 9/16	1 13/16	1 1/8	1,450	
2 3/16	AN850835B	2 15/16	1 21/32	1 27/32	1 1/8	1,500	
2 1/4	AN850836B	3 1/32	1 11/16	1 7/8	1 1/8	1,500	
2 3/8	AN850838B	3 3/16	1 13/16	1 31/32	1 3/16	1,600	
2 7/16	AN850839B	3 1/4	1 13/16	2	1 3/16	1,650	
2 9/16	AN850841B	3 7/16	1 29/32	2 3/32	1 9/32	1,750	
2 5/8	AN850842B	3 1/2	2 1/16	2 1/8	1 9/32	1,800	
2 11/16	AN850843B	3 19/32	2 1/16	2 5/32	1 9/32	1,800	
2 3/4	AN850844B	3 21/32	2 1/16	2 7/32	1 9/32	1,850	
3 1/8	AN850850B	4 1/8	2 5/16	2 7/16	1 5/16	2,000	

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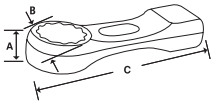


Flank Drive® Straight Handle Sledge Hammer, inches, 12-Point

						Set Contains: DX634
	mm	12	A	B	C	12
1 3/16	—	DX138A	7/8	2 3/32	7 35/64	•
1 1/4	—	DX140A	7/8	2 3/32	7 35/64	•
1 5/16	—	DX142A	7/8	2 3/32	7 35/64	•
1 3/8	—	DX144A	61/64	2 17/64	7 41/64	•
1 7/16	—	DX146A	61/64	2 17/64	7 41/64	•
1 1/2	—	DX148A	61/64	1 17/64	7 41/64	•
1 5/8	—	DX152A	1 9/64	2 5/8	7 53/64	•
1 11/16	—	DX154A	1 9/64	2 5/8	7 53/64	•
1 3/4	—	DX156A	1 7/32	2 13/16	7 29/32	•
1 13/16	—	DX158A	1 7/32	2 13/16	7 29/32	•
1 7/8	—	DX160A	1 7/32	2 13/16	7 29/32	•
—	50	DXM50	1 13/32	3 11/64	11 19/32	•
2	—	DX164A	1 13/32	3 11/64	11 19/32	•
2 1/16	—	DX166A	1 13/32	3 11/64	11 19/32	•
2 3/16	—	DX170A	1 17/32	3 29/64	11 47/64	•
2 1/4	—	DX172A	1 17/32	3 29/64	11 47/64	•
2 3/8	—	DX176A	1 21/32	3 23/32	11 55/64	•
2 7/16	—	DX178A	1 21/32	3 23/32	11 55/64	•
2 1/2	—	DX180A	1 21/32	3 23/32	11 55/64	•
2 9/16	—	DX182A	1 51/64	3 63/64	13	•
2 5/8	—	DX184A	1 51/64	3 63/64	13	•
2 3/4	—	DX188A	1 59/64	4 17/64	14 17/64	•
2 13/16	—	DX190A	1 59/64	4 17/64	14 17/64	•
2 15/16	—	DX194A	2 3/64	4 17/32	14 13/32	•
3	—	DX196A	2 3/64	4 17/32	14 13/32	•
3 1/8	—	DX1100A	2 17/64	4 29/32	17 37/64	•
3 3/8	—	DX1108A	2 17/64	4 29/32	17 37/64	•
3 1/2	—	DX1112A	2 29/64	5 19/64	17 51/64	•
3 3/4	—	DX1120A	2 21/32	5 17/32	17 51/64	•
3 7/8	—	DX1124A	2 21/32	5 17/32	17 57/64	•
4 1/8	—	DX1132A	2 59/64	6 1/32	18 9/64	•
4 1/4	—	DX1136A	2 59/64	6 1/32	18 9/64	•
4 1/2	—	DX1144A	3 5/32	6 25/32	20 1/64	•
4 5/8	—	DX1148A	3 5/32	6 25/32	20 1/64	•

ASME® B107.100



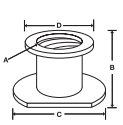
DX158A

Slugging Wrench Retainers

Stock No.	Description	A	B	C	D	Set Contains: HTX100P
HTX24	Retainer for 3/4" studs	3/8	1 29/32	1 15/16	1 3/4	•
HTX28	Retainer for 7/8" studs	7/8	2	2 3/16	1 29/32	•
HTX32	Retainer for 1" studs	1	2 1/8	2 1/2	2 1/32	•
HTX36	Retainer for 1 1/8" studs	1 1/8	2 1/4	2 1/2	2 5/32	•
HTX40	Retainer for 1 1/4" studs	1 1/4	2 3/8	2 7/8	2 9/32	•
HTX44	Retainer for 1 3/8" studs	1 3/8	2 15/32	3 1/8	2 3/8	•
HTX48	Retainer for 1 1/2" studs	1 1/2	2 5/8	3 1/8	2 1/2	•
HTX52	Retainer for 1 5/8" studs	1 5/8	2 3/4	3 5/8	2 21/32	•
HTX56	Retainer for 1 3/4" studs	1 3/4	2 7/8	3 7/8	2 3/4	•
HTX60	Retainer for 1 7/8" studs	1 7/8	3	4 1/2	2 7/8	•



HTX100P





HTX52

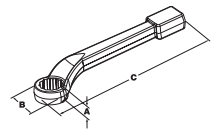
⚠WARNING

- Use only moderate force on crowfoot and flare nut wrenches
- Read safety precautions on pages W1 to W4

HEAVY DUTY STRIKING WRENCHES



HX400B



Flank Drive® Offset Handle Sledge Hammer, inches, 12-Point

						Set Contains: HX635
11	mm	12	A	B	C	12
1 1/16	27	**HX340A**	11/16	1 5/8	10	•
1 1/8	—	**HX360A**	3/4	1 15/16	11	•
1 3/16	30	**HX380A**	3/4	1 15/16	11	•
1 1/4	32	**HX400B**	3/4	1 15/16	11	•
1 5/16	33	**HX420A**	3/4	1 15/16	11	•
1 3/8	35	**HX440A**	7/8	2 1/8	11 1/2	•
1 7/16	36	**HX460A**	7/8	2 1/8	11 1/2	•
1 1/2	38	**HX480A**	1	2 7/16	12	•
1 5/8	41	**HX520A**	1	2 7/16	12	•
1 11/16	43	**HX540A**	1 1/8	2 5/8	12 1/2	•
1 3/4	44	**HX560A**	1 1/8	2 5/8	12 1/2	•
1 13/16	46	**HX580A**	1 1/8	2 5/8	12 1/2	•
1 7/8	47	**HX600A**	1 1/4	2 7/8	13	•
1 15/16	49	**HX620A**	1 1/2	2 7/8	13	•
—	50	**HXM50**	1 1/4	2 7/8	13	•
2	51	**HX640A**	1 1/4	2 7/8	13	•
2 1/8	—	**HX680A**	1 3/8	3 1/4	13 9/16	•
2 3/16	55	**HX700A**	1 3/8	3 1/4	13 9/16	•
2 1/4	57	**HX720A**	1 3/8	3 1/4	13 9/16	•
2 5/16	59	**HX740A**	1 3/8	3 1/4	13 9/16	•
2 3/8	60	**HX760A**	1 1/2	3 5/8	14 1/8	•
2 1/2	64	**HX800A**	1 1/2	3 5/8	14 1/8	•
2 9/16	65	**HX820A**	1 1/2	3 5/8	14 1/8	•
2 5/8	67	**HX840A**	1 5/8	3 15/16	15	•
2 3/4	70	**HX880A**	1 5/8	3 15/16	15	•
2 7/8	73	**HX920A**	1 3/4	4 7/16	16	•
2 15/16	75	**HX940A**	1 3/4	4 7/16	16	•
3	76	**HX960A**	1 3/4	4 7/16	16	•
3 1/8	80	**HX1000A**	1 3/4	4 7/16	16	•
3 3/8	85	**HX1080A**	2	6 1/4	18 1/4	•
3 1/2	89	**HX1120A**	2	6 1/4	18 1/4	•
3 3/4	95	**HX1200A**	2	6 1/4	18 1/4	•
3 7/8	98	**HX1240A**	2	6 1/4	18 1/4	•
4 1/8	105	**HX1320A**	2	6 1/4	18 1/4	•
4 1/4	108	**HX1360A**	2	6 1/4	18 1/4	•



Open End Tubular Wrenches, inches/mm

	mm	Stock No.	A	B	C	Fits Handle No.
7/8	—	**OE128C**	1/2	1 15/16	10 1/2	13B or 24B
15/16	—	**OE130C**	1/2	1 15/16	10 1/2	13B or 24B
1	—	**OE132C**	9/16	2 5/16	11 5/16	13B or 24B
1 1/16	27	**OE134C**	9/16	2 5/16	11 5/16	13B or 24B
1 1/8	—	**OE136C**	9/16	2 5/16	11 1/4	13B or 24B
1 1/4	32	**OE140C**	5/8	2 3/4	12 5/16	13B or 24B
1 5/16	33	**OE142C**	5/8	2 3/4	12 5/16	13B or 24B
1 3/8	35	**OE144B**	5/8	2 3/4	12 1/4	13B or 24B
1 7/16	36	**OE146C**	11/16	3 1/8	13 1/4	13B or 24B
1 1/2	38	**OE148C**	11/16	3 1/8	13 5/16	13B or 24B

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OE148C

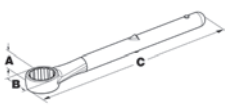


Tubular Handles

Stock No.	A	B	Size, inches
13B	13 1/2	7/8	13
24B	24	7/8	24
36B	36	1 9/64	36



13B



Flank Drive® Straight Box, inches/mm

	mm	12	A	B	C	Fits Handle No.
3/4	—	**XH124C**	1/2	1 1/4	10 13/16	13B or 24B
13/16	—	**XH126C**	1/2	1 1/4	10 13/16	13B or 24B
7/8	—	**XH128C**	5/8	1 7/16	10 15/16	13B or 24B
15/16	—	**XH130C**	5/8	1 7/16	10 15/16	13B or 24B
1	—	**XH132C**	11/16	1 9/16	11	13B or 24B
1 1/16	27	**XH134C**	11/16	1 9/16	11	13B or 24B
1 1/8	—	**XH136C**	11/16	1 11/16	11 1/8	13B or 24B
1 1/4	32	**XH140C**	3/4	1 15/16	13 1/2	13B or 24B
1 5/16	33	**XH142C**	3/4	1 15/16	13 1/2	13B or 24B
1 7/16	36	**XH146C**	7/8	2 3/16	13 5/8	13B or 24B
1 1/2	38	**XH148C**	7/8	2 3/16	13 3/4	13B or 24B
1 5/8	41	**XH152C**	15/16	2 3/8	13 3/4	13B or 24B
3 1/8	79	**XH1100C**	1 3/4	4 15/16	14 7/8	36B

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XH124C

⚠WARNING • Read safety precautions on pages W1 to W4

COMBINATION T- AND L-SHAPED WRENCHES

- Ergonomic, soft grip handle provides comfort during repetitive tasks
- Delivers superior turning power
- Allows maximum pressure to be applied when loosening difficult fasteners with both “T” and “L” applications
- Blades constructed from high strength steel and hardened for durability
- Blade tips are black oxide coated to prevent chipping and to help maintain a secure fastener engagement
- Short blade provides maximum torque for tight quarters
- Long blade promotes quick fastener turning in difficult access situations
- Hole in handle for hanging tool or tether
- Color coded handles identify metric and inch sizes at a glance



AWSGM800

Hex, mm

mm	Blue Handle	T-Length, mm	Length, mm	Set Contains: AWSGM800
2	**AWSGM2**	95	152	•
2.5	**AWSGM2.5**	95	152	•
3	**AWSGM3**	98	152	•
4	**AWSGM4**	98	187	•
5	**AWSGM5**	117	187	•
6	**AWSGM6**	117	246	•
8	**AWSGM8**	117	246	•
10	**AWSGM10**	124	248	•

Set includes storage tray



AWSG800

Hex, inches

	Red Handle	T-Length, inches	Length, inches	Set Contains: AWSG800
3/32	**AWSG06**	3 7/8	6	•
7/64	**AWSG07**	3 7/8	6	•
1/8	**AWSG08**	3 7/8	6	•
9/64	**AWSG09**	3 7/8	6	•
5/32	**AWSG10**	3 7/8	7 3/8	•
3/16	**AWSG12**	4 3/4	7 3/4	•
7/32	**AWSG14**	4 3/4	7 3/4	•
1/4	**AWSG16**	4 3/4	9 5/8	•
5/16	**AWSG20**	4 3/4	9 5/8	
3/8	**AWSG24**	4 3/4	9 5/8	

Set includes storage tray



AWBSGM800

Ball Hex, mm

mm	Blue Handle	T-Length, mm	Length, mm	Set Contains: AWBSGM800
2	**AWBSGM2**	95	152	•
2.5	**AWBSGM25**	95	152	•
3	**AWBSGM3**	98	152	•
4	**AWBSGM4**	98	187	•
5	**AWBSGM5**	117	187	•
6	**AWBSGM6**	117	246	•
8	**AWBSGM8**	117	246	•
10	**AWBSGM10**	124	248	•

Set includes storage tray



AWBSG800

Ball Hex, inches

	Red Handle	T-Length, inches	Length, inches	Set Contains: AWBSG800
3/32	**AWBSG06**	3 7/8	6	•
7/64	**AWBSG07**	3 7/8	6	•
1/8	**AWBSG08**	3 7/8	6	•
9/64	**AWBSG09**	3 7/8	6	•
5/32	**AWBSG10**	3 7/8	7 3/8	•
3/16	**AWBSG12**	4 3/4	7 3/4	•
7/32	**AWBSG14**	4 3/4	7 3/4	•
1/4	**AWBSG16**	4 3/4	9 5/8	•
5/16	**AWBSG20**	4 3/4	9 5/8	
3/8	**AWBSG24**	4 3/4	9 5/8	

Set includes storage tray



AWSGTRP20



AWSGT800

TORX Plus® Special Application

#	Green Handle	T-Length, inches	Length, inches
T20	**AWSGTRP20**	3 7/8	10 1/2

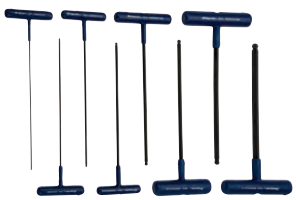
- Extra long T20 tamper-resistant *TORX Plus*
- Access mirrors on Mercedes® vehicles
- Short end also T20 tamper-resistant *TORX* for tight quarters

TORX®

#	Green Handle	T-Length, inches	Length, inches	Set Contains: AWSGT800
T6	**AWSGT6**	3 7/8	6	
T7	**AWSGT7**	3 7/8	6	
T8	**AWSGT8**	3 7/8	6	
T9	**AWSGT9**	3 7/8	6	
T10	**AWSGT10**	3 7/8	6	•
T15	**AWSGT15**	3 7/8	7 3/8	•
T20	**AWSGT20**	3 7/8	7 3/8	•
T25	**AWSGT25**	4 3/4	7 5/8	•
T27	**AWSGT27**	4 3/4	7 5/8	•
T30	**AWSGT30**	4 3/4	9 5/8	•
T40	**AWSGT40**	4 3/4	9 5/8	•
T45	**AWSGT45**	4 3/4	9 3/4	•
T50	**AWSGT50**	4 3/4	9 3/4	

Set includes storage tray

T-SHAPE



AWBMCG1600

Ball Hex, mm

mm	Blue Handle 228 mm Length	Set Contains: AWBMCG1600
2	**AWBMCG1602**	•
2.5	**AWBMCG16025**	•
3	**AWBMCG1603**	•
4	**AWBMCG1604**	•
5	**AWBMCG1605**	•
6	**AWBMCG1606**	•
8	**AWBMCG1608**	•
10	**AWBMCG1610**	•



AWBCG1600

Ball Hex, inches

	Red Handle 9" Length	Set Contains: AWBCG1600
3/32	**AWBCG1606**	•
7/64	**AWBCG1607**	•
1/8	**AWBCG1608**	•
9/64	**AWBCG1609**	•
5/32	**AWBCG1610**	•
3/16	**AWBCG1612**	•
7/32	**AWBCG1614**	•
1/4	**AWBCG1616**	•
5/16	**AWBCG1620**	
3/8	**AWBCG1624**	

Tamper Resistant, mm

AWMCGR1608

Metric T-Shape Hex Wrench

- Yamaha® Rhino doors and aftermarket license plate holders with 8 mm tamper-proof hex security fasteners
- Permits maximum pressure application when loosening difficult fasteners



AWMCGR1608



AWCGT500

TORX

#	Green Handle 6" Length	Set Contains: AWCGT500
T7	**AWCGT7**	
T8	**AWCGT8**	•
T10	**AWCGT10**	•
T15	**AWCGT15**	•
T20	**AWCGT20**	•
T25	**AWCGT25**	•
T30	**AWCGT30**	
T40	**AWCGT40**	
T45	**AWCGT45**	

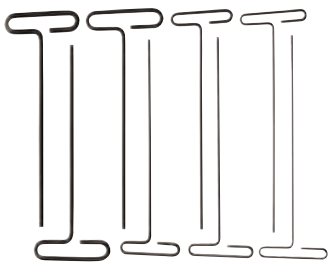
⚠WARNING

- Plastic handle does not protect against electric shock
- Read safety precautions on pages W1 to W4

T-SHAPE



AWMCG1600B



GAW1900A



AWCG1600B

Hex, mm

mm	Blue Handle 152 mm Length	Set Contains: AWMCG1600B
2	AWMCG1602B	•
2.5	AWMCG16025B	•
3	AWMCG1603B	•
4	AWMCG1604B	•
5	AWMCG1605B	•
6	AWMCG1606B	•
8	AWMCG1608B	•
10	AWMCG1610B	•

Hex, inches

	Standard Handle 9" Length	Red Handle 6" Length	Set Contains: GAW1900A	AWCG1600B
3/32	GAW1906	AWCG1606B	•	•
7/64	GAW1907	AWCG1607B	•	•
1/8	GAW1908	AWCG1608B	•	•
9/64	GAW1909	AWCG1609B	•	•
5/32	GAW1910	AWCG1610B	•	•
3/16	GAW1912	AWCG1612B	•	•
7/32	GAW1914	AWCG1614B	•	•
1/4	GAW1916	AWCG1616B	•	•
5/16	GAW1920	AWCG1620B		
3/8	GAW1924	AWCG1624B		



AWSTAND
Tools not included with AWSTAND



AWSTAND

Wrench Stands

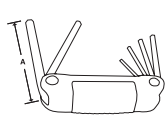
AWSTAND Wrench Stand

- Mounting holes on top and bottom of stand provide many mounting locations
- Another AWSTAND can be added for increased storage options
- Stands can mount to a Slots-N-Dots™ Plus personal work center or lie flat on top of toolbox
- Stand holds the following wrench styles:
  - L- or T-shaped fractional hex 1/16"–3/8"
  - L- or T-shaped metric hex 2 mm–10 mm
  - L- or T-shaped TORX® T6–T50
  - Metric or *TORX* on one stand
  - Fractional and metric on one stand
  - Metric and fractional ball wrenches

FOLDING SETS



AWMEF7K





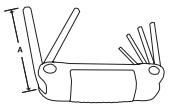
AWMEF8K



AWMEF6K

Hex, mm

mm	AWMEF7K	AWMEF8K	AWMEF6K
	A	A	A
1.5	45.7	—	—
2	50.8	50.8	—
2.5	55.9	55.9	—
3	61.0	61.0	83.8
4	66.0	66.0	88.9
5	78.7	78.7	96.5
6	83.8	96.5	101.6
7	—	106.7	—
8	—	121.9	121.9
10	—	—	129.5





AWEF6K



AWEF9K



AWTEF8K



AWEFBH9K

Hex, inches

	AWEF6K		AWEF9K
	A		A
5/32	2.7	0.05	1.8
3/16	3.3	1/16	1.9
7/32	3.5	5/64	2.0
1/4	3.7	3/32	2.1
5/16	4.8	7/64	2.3
3/8	5.1	1/8	2.4
		9/64	2.6
		5/32	2.7
		3/16	2.9

TORX®

#	AWTEF8K
	A
T8	2.4
T10	2.7
T15	3.0
T20	3.2
T25	3.4
T27	3.5
T30	3.7
T40	3.9

Ball Hex, inches

	AWEFBH9K
	A
5/64	2.0
3/32	2.1
7/64	2.3
1/8	2.4
9/64	2.6
5/32	2.7
3/16	2.9
7/32	3.5
1/4	3.7

AWCPEF16K Combination Set
Set includes **AWEF9K** hex set and **AWMEF7K** metric hex set

Combination

AWHD8K Hex/*TORX* Set
Includes two *TORX* sizes (T27, T40) and six hex sizes (5/32", 3/16", 7/32", 1/4", 5/16" and 3/8"). Fits a wide range of Harley-Davidson® motorcycles.

AWEF6M6K Fractional/Metric Hex Folding Set
- Turn and flip feature eliminates the need for constant removal of tool to reposition it in screw head when working next to obstructions
- 90° stops turn the tool into a speed wrench
- Hex sizes molded into storage case for easy identification of each hex
- Flutes in storage case allow easy selection
- Access the blades from top or bottom, eliminating the need to unstack the blades
- High torque steel 20% stronger and twice the wear resistance of standard grades of steel
- Handle is 40% stronger than steel cases
- Corrosion resistant finish is five times more resistant than the competition



AWHD8K



AWEF6M6K

L-SHAPED

Ball Hex, inches

Industrial Finish L-Shaped Ball Hex Wrench Sets:
Ball hex allows up to 25° angle entry. Made from high strength steel.

BHS7A Ball Hex Set
Set includes 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" and 3/16" sizes (7pc) (5/64"–3/16") in plastic index.

BHS13A Ball Hex Set
Set includes 0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" and 3/8" sizes (13pc) (.050"–3/8") in plastic index.

AWBPH13 Ball Hex Set
Screw holding tip holds fastener to tool for delicate installations. Set includes 0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" and 3/8" sizes (13pc) (.050"–3/8") in plastic index.

AWBS13 Stubby Ball Hex Set
Stubby length for access to tight quarters. Set includes 0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" and 3/8" sizes (13pc) (.050"–3/8") in plastic index.

AWBXL13 Extra Long Ball Hex Set
Set includes sizes: 0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" and 3/8".

Unique Screw Holding Tip*
Holds fastener to tool for delicate installations
*AWBPH13 set only



BHS7A





BHS13A



AWBS13



AWBPH13



AWBXL13

⚠WARNING

- Plastic handle does not protect against electric shock
- Read safety precautions on pages W1 to W4

L-SHAPED

Unique Screw Holding Tip*
Holds fastener to tool for delicate installations
*AWMBPH9 set only





BHM9A



AWMBPH9



AWMBS9



AWBMXL9

Ball Hex, mm

Industrial Finish L-Shaped Ball Hex Wrench Sets:
Ball hex allows up to 25° angle entry. Made from high strength steel.

BHM9A Metric Ball Hex Set
Set includes 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm and 10 mm sizes (9pc) (1.5 mm–10 mm) in plastic index.

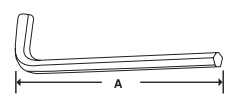
AWMBPH9 Metric Ball Hex Set
Screw holding tip holds fastener to tool for delicate installations. Set includes 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm and 10 mm sizes (9pc) (1.5 mm–10 mm) in plastic index.

AWMBS9 Metric Stubby Ball Hex Set
Stubby length for access in tight quarters. Set includes 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm and 10 mm sizes (9pc) (1.5 mm–10 mm) in plastic index.

AWBMXL9 Metric Extra Long Ball Hex Set
Set includes: 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm and 10 mm sizes.



AWM110DHK





AW1013DK

Hex, mm

	Stock No.	mm	A	Set Contains: AWM140DK	AWM110DK	AWM110DHK
Standard Length	AWM2D	2	47.7	•	•	•
	AWM2-1/2D	2.5	52.0	•	•	•
	AWM3D	3	58.6	•	•	•
	AWM4D	4	65.6	•	•	•
	AWM5D	5	75.6	•	•	•
	AWM6D	6	82.2	•	•	•
	AWM7D	7	92.4	•	•	•
	AWM8D	8	99.2	•	•	•
	AWM9D	9	105.1	•	•	•
	AWM10D	10	111.4	•	•	•
	AWM12D	12	139.3	•	•	•
	AWM14D	14	138.8	•		
	AWM17D	17	167.2	•		
	AWM19D	19	193.6	•		
Long	AWML1.5D	1.5	77.7			
	AWML2D	2	83.0			
	AWML2.5D	2.5	89.8			
	AWML3D	3	100.0			
	AWML4D	4	107.0			
	AWML5D	5	118.5			
	AWML6D	6	141.0			
	AWML8D	8	161.5			
	AWML10D	10	172.0			
	AWML12D	12	193.6			
	Kit Bag			C1209	C15B	
	Metal Index					BHK11

Hex, inches

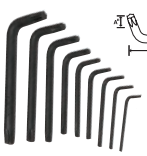
Stock No.		A	Set Contains: AW1020DK	AW1015DK	AW1013DK	AW1015DHK
AW028D	0.028	1 1/4	•	•		•
AW035D	0.035	1 5/16	•	•		•
AW050D	0.050	1 3/4	•	•	•	•
AW2D	1/16	1 3/4	•	•	•	•
AW2-1/2D	5/64	1 7/8	•	•	•	•
AW3D	3/32	2	•	•	•	•
AW3-1/2D	7/64	2 1/8	•	•	•	•
AW4D	1/8	2 1/4	•	•	•	•
AW4-1/2D	9/64	2 3/8	•	•	•	•
AW5D	5/32	2 1/2	•	•	•	•
AW6D	3/16	2 3/4	•	•	•	•
AW7D	7/32	3	•	•	•	•
AW8D	1/4	3 1/4	•	•	•	•
AW10D	5/16	3 3/4	•	•	•	•
AW12D	3/8	4 1/4	•	•	•	•
AW14D	7/16	4 3/4	•			
AW16D	1/2	5 1/4	•			
AW18D	9/16	5 3/4	•			
AW20D	5/8	6 1/4	•			
AW24D	3/4	7 1/4	•			
Kit Bag			C1209	C154		
Metal Index						BHK15



AWL1010DHK

Hex, Long, inches

Stock No.		A	AWL1010DK	AWL1010DHK
			Set Contains:	
AWL3D	3/32	3 1/8	•	•
AWL3-1/2D	7/64	3 1/2	•	•
AWL4D	1/8	3 3/4	•	•
AWL4-1/2D	9/64	4	•	•
AWL5D	5/32	4 1/8	•	•
AWL6D	3/16	4 1/2	•	•
AWL7D	7/32	4 7/8	•	•
AWL8D	1/4	5 1/4	•	•
AWL10D	5/16	6	•	•
AWL12D	3/8	6 3/4	•	•
AWL14D	7/16	7 1/2		
AWL16D	1/2	8 1/4		
AWL18D	9/16	9		
AWL20D	5/8	9 3/4		
Kit Bag			C15B	
Metal Index				BHK10



AWT100KA



AWTPH8

TORX®

Stock No.	#	A	B	AWT100KA
				Set Contains:
AWT8A	T8	.137	1 7/8	
AWT9A	T9	.148	1 7/8	
AWT10A	T10	.162	2	•
AWT15A	T15	.194	2 1/8	•
AWT20A	T20	.228	2 1/4	•
AWT25A	T25	.262	2 3/8	•
AWT27A	T27	.295	2 1/2	•
AWT30A	T30	.218	2 3/4	•
AWT40A	T40	.262	3	•
AWT45A	T45	.430	3 5/8	•
AWT50A	T50	.348	3 3/4	•
AWT55A	T55	.442	4 1/4	•

AWTPH8 *TORX* Set
Set includes T9, T10, T15, T20, T25, T27, T30 and T40 sizes (8pc) (T9–T40) in plastic index. Made from high torque steel.

TORX Tamper Resistant



AWTR8

Stock No.	#	AWTR8
		Set Contains:
AWTR8-1	T9	•
AWTR8-2	T10	•
AWTR8-3	T15	•
AWTR8-4	T20	•
AWTR8-5	T25	•
AWTR8-6	T27	•
AWTR8-7	T30	•
AWTR8-8	T40	•



AWMG9



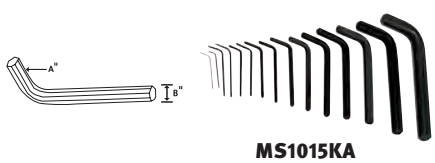
AWS13

Hex/Gold Finish, mm

Stock No.	mm	AWMG9
		Set Contains:
AWMG9-1	1.5	•
AWMG9-2	2	•
AWMG9-3	2.5	•
AWMG9-4	3	•
AWMG9-5	4	•
AWMG9-6	5	•
AWMG9-7	6	•
AWMG9-8	8	•
AWMG9-9	10	•

Hex/Natural Finish, inches

Stock No.		AWS13
		Set Contains:
AWS13-1	1/20	•
AWS13-2	1/16	•
AWS13-3	5/64	•
AWS13-4	3/32	•
AWS13-5	7/64	•
AWS13-6	1/8	•
AWS13-7	9/64	•
AWS13-8	5/32	•
AWS13-9	3/16	•
AWS13-10	7/32	•
AWS13-11	1/4	•
AWS13-12	5/16	•
AWS13-13	3/8	•



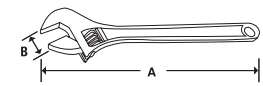
MS1015KA

Multi-Spline

Stock No.	A	B	MS1015KA
			Set Contains:
MS2A	4	.033	•
MS3A	4	.048	•
MS4A	6	.060	•
MS5A	4	.069	•
MS6A	4	.076	•
MS7A	6	.072	•
MS8A	6	.096	•
MS10A	6	.110	•
MS16A	6	.144	•
MS20A	6	.183	•
MS24A	6	.216	•
MS28A	6	.251	•
MS32A	6	.291	•
MS40A	6	.372	•
MS48A	6	.454	•

Set includes C16 kit bag, wrenches are not pre-packaged in kit bag

ADJUSTABLE





Flank Drive® Plus Adjustable/Cushion Handles

- Adjustable wrenches with serrated jaws feature our *Flank Drive* Plus wrenching system for more turning power from an adjustable wrench
- Precision-made wrenches feature fractional and metric scales for size reference
- Elastomer handle surface is soft, yet provide a nonslip gripping surface even for greasy and oily hands
- Cushion handle insulates against cold temperatures



FADH704A

Stock No.	A inches (mm)	B inches (mm)	Set Contains: FADH704A	FADH702
FADH6A	6 (152)	3/4 (19)	•	
FADH8A	8 (203)	15/16 (24)	•	•
FADH10A	10 (254)	1 1/8 (29)	•	
FADH12A	12 (304)	1 5/16 (33)	•	•

ASME® Standard

Set includes storage tray

Adjustable Wrenches

- Opposing fractional and metric quick sizing scales are provided for convenience
- High strength alloy steel machined to exacting specs and precision heat treated for strength and durability
- Nickel-chrome finish helps protect against corrosion and speeds cleanup



AD704A

Stock No.	A inches (mm)	B inches (mm)	Set Contains: AD704A
AD6A	6 (155)	25/32 (20)	•
AD8A	8 (205)	1 1/16 (27)	•
AD10A	10 (255)	1 3/16 (30)	•
AD12A	12 (305)	1 11/32 (34)	•

ASME B107.100

Set includes storage tray

Wide Mouth Adjustable/Cushion Handle

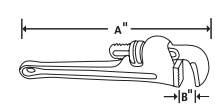
- Opens larger than standard adjustable wrench
- Longer jaws and slimline design for greater reach
- Metric and fractional scales for quick observation
- Adjustable moving jaw will not fall out, even when at max opening
- Elastomer handle is soft, insulates against cold and provides a nonslip surface
- ADHW6 opens as wide as an 8" adjustable wrench; ADHW8 opens as wide as a 10" adjustable wrench



ADHW8

Stock No.	A inches (mm)	B inches (mm)
ADHW6	6 (152)	1 1/4 (32)
ADHW8	8 (203)	1 1/2 (38)

ASME B107.100



External Pipe Wrenches



PW10C

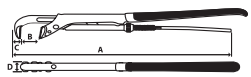


PWA10A

Stock No. Coated Handle	Stock No. Aluminum Handle	A	B Max Opening
PW6C	–	6	3/4
PW8C	–	8	1
PW10C	PWA10A	10	1 1/2
PW12C	–	12	2
PW14C	PWA14A	14	2
PW18C	PWA18A	18	2 1/2
PW24C	PWA24A	24	3
PW36C	PWA36A	36	5

Pliers Wrench

- Inwardly angled teeth for a stronger grip
- Quick adjustment of grip width
- Built-in guard against unthreading
- Soft, high-friction handle surfaces with a strong, stable core

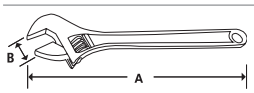




PWZ1

Stock No.	A	B	C	D	Weight, lb
PWZ0	8 3/16	1 1/2	5/16	9/16	1
PWZ1	12 5/8	1 3/4	1/2	3/4	1 5/8
PWZ2	17	2 1/2	5/8	13/16	2 1/2
PWZ3	21 1/2	3 1/2	3/4	1	6 3/8

ADJUSTABLE Blue-Point®



Adjustable Wrenches

- Inch and metric scales on fixed jaw indicate wrench opening
- Fixed jaw and handle forged in one piece to ensure maximum strength
- Wrench is balanced to minimize wrist stress
- Hole at handle end for tether or hanging



BLPADJ404



GAJS30 GAJS30A

Stock No.	A inches (mm)	B inches (mm)	Set Contains: BLPADJT03	Set Contains: BLPADJ404*
GAJ4A	4 (108)	1/2 (13)		
GAJ6A	6 (160)	1 (25.4)		•
GAJ8A	8 (210)	1 1/8 (29)		•
GAJ10A	10 (260)	1 9/32 (33)		•
GAJ12A	12 (310)	1 1/2 (38)		•
GAJ15A	15 (385)	1 19/32 (43)	•	
GAJ18A	18 (450)	2 1/16 (52)	•	
GAJ24A	24 (610)	2 7/16 (62)	•	
GAJS30**	30 (778)	3 11/32 (85)		
GAJS30A	30 (778)	3 11/32 (85)		

ASME® B107.10

*Set includes storage tray

**Side adjusting nut style provides smoother operation, allows greater jaw opening and offers minimum jaw play

Adjustable Wrenches/Soft Grip



BLPADJ404SG

Stock No.	A inches (mm)	B inches (mm)	Set Contains: BLPADJ404SG
GAJ6SG	6 (160)	1 (25.4)	•
GAJ8SG	8 (210)	1 1/8 (29)	•
GAJ10SG	10 (260)	1 9/32 (32.8)	•
GAJ12SG	12 (310)	1 1/2 (38)	•

Set includes storage tray

Aluminum (for "AN" Fittings)

- Securely tighten expensive AN fittings to reduce risk of damage in aircraft, marine and industrial applications as well as for race and show cars
- Machined from aluminum billet to exacting tolerances and made from quality heat-treated aluminum



ANADJ8A

Stock No.	Color	A inches (mm)	B inches (mm)
ANADJ8A	Red	8 (203)	AN #10 (1")

⚠WARNING

- Do not use "cheater bars" on handles
- Plastic handle does not protect against electric shock
- Read safety precautions on pages W1 to W4

SPECIAL APPLICATION



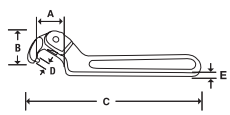
N6893B

Valve Persuader (Special order only)

N6893B Valve Persuader Wrench
- Persuader end provides extra leverage on valve wheels
- Hooks around valve stems and protrudes through spokes
- 15" long
- Opening is 1 1/4"



304APSK



Adjustable Pin Spanners
- Removes rings, collars and lock nuts
- Make sure jaw hook is properly aligned when in use

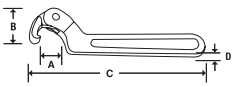
Set Contains: 304APSK

Stock No.	A	B	C	D	E	
APS351B	3/4–2	1/8	6 3/8	1/8	11/32	•
APS357B	1 1/4–3	3/16	8 1/8	3/16	11/32	•
APS363B	2–4 3/4	1/4	11 3/8	1/4	15/32	•
APS366B	4 1/2–6 1/4	1/4	12 1/8	3/8	15/32	•

Set shown includes kit bag



304AHSK



Adjustable Hook Spanners
- Services collars, rings and bearings
- Single jaw and roll pin construction with industrial finish
- Make sure jaw hook is properly positioned when in use

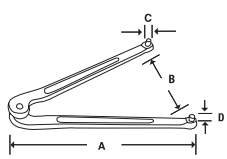
Set Contains: 304AHSK

Stock No.	A	B	C	D	
AHS300B	3/4–2	1/8	6 3/8	11/32	•
AHS301B	1 1/4–3	5/32	8 1/8	13/32	•
AHS304B	2–4 3/4	3/16	11 3/8	15/32	•
AHS307B	4 1/2–6 1/2	1/4	12 1/8	15/32	•

Set shown includes kit bag



AFS482B



Adjustable Face Pin Spanners

For servicing seal and packing nuts on hydraulic cylinders.

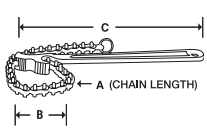
Stock No.	A	B	C	D
AFS482B	6 3/8	2	3/16	5/32
AFS483B	8 1/4	3	1/4	3/16
AFS484B	10 3/8	4	5/16	1/4

SPECIAL APPLICATION Blue-Point®



CW12A

VGP18110



Chain Wrenches

Stock No.	A	B	C	Replacement Chain
CW12A	16	4	12	CW12A-1
CW15A	19	5	15	CW15A-1
CW24A	23	6	24	CW24A-1

VGP18110 Locking Chain Wrench
- Wraps around and holds irregular shaped objects like oil filters and mufflers
- Chain capacity: up to 6 9/32" (160 mm)
- Handle length: 9 27/32" (250 mm)

VGP181101 Replacement Chain
- Replacement chain for VGP18110



BLPSTWRKT

Strap Wrenches

BLPSTWR4 Strap Wrench
- Adjusts to fit any circumference or irregular shape
- Will not scratch or damage surfaces
- Cushioned grip for maximum comfort
- Heavy duty construction for longer life
- 4" max diameter

BLPSTWR6 Strap Wrench
- Same as BLPSTWR4 except features a 6" max diameter

BLPSTWRKT Strap Wrench Set
- BLPSTWR4 and BLPSTWR6 (2pc)

A NEW SPIN ON TORQUE.

Torque is critical. And with vehicle manufacturers investing heavily to reduce weight and improve fuel mileage – by using a wide array of materials, like high-strength alloys, aluminum, and engineered composites – torque is more important than ever. Improved capabilities and technology mean manufacturers can maintain exceptional tolerances on components: contingent on accurate, consistent torque and angle application. That's where Snap-on excels.

TechAngle® Electronic Torque Wrenches — Get the confidence you deserve, and the advanced technology and intuitive design you need, with our new ATECH Series torque wrenches. With a wealth of innovative features – like progressive LEDs, large backlit LCD panels, six different measurement modes, four different alert modes, multiple presets, "Torque-Then-Angle" sequencing, and more – this wrench will handle whatever comes its way.

Mechanical Torque Wrenches — If your needs call for something simpler, Snap-on has a wide selection of mechanical torque wrenches that offer excellent performance. Need a highly accurate – yet compact – profile for tight jobs? Choose a QD Series micrometer-style torque wrench. With a smooth, easy-to-use adjustment, non-slip knurled handle and Snap-on® high-strength sealed ratchet head, this wrench offers a great blend of performance and reliability. Additionally, it comes in a wide range of drive sizes, lengths, ratchet head articulation and measurement scales that are sure to meet your needs.

TQ Series Torque Wrenches — Want something with a comfortable composite handle, durable internal components, and fast, easy-to-set torque adjustment? Then opt for a TQ Series split-beam torque wrench. With a strong steel-beam mechanism that has fewer parts to wear out, this wrench offers a durable, long-lasting torque solution for the toughest environments. Simply set the torque and you are ready to go – without the need to wind it down before being stored.



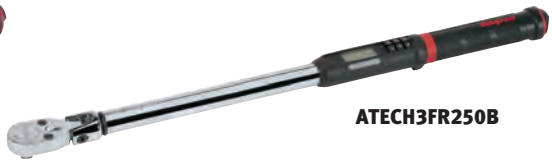
TECHANGLE® TORQUE WRENCHES



ATECH1FR240B



ATECH2FR100B



ATECH3FR250B



ATECH4R600



ATECH2FS100

TechAngle Models/2% Accuracy

- Dual progressive LEDs allow user to see active torque at various work positions; enables user to anticipate torque and slow down as they get closer to desired torque level
- Large LCD screen with back light – numbers become larger and bolder during active torque making it easier to read during use
- Four alert modes (LCD, Dual LED, Audible, Vibratory)
- Six measurement modes – ft-lb, in-lb, N•m, dN•m, kg-cm and angle at the touch of a button
- "Motorcycle-style" handle with seamless textured grip offers a comfortable, nonslip surface
- Flared end prevents your hand from slipping off during high-leverage applications
- Protected end cap design with solid brass contacts prevents accidental loosening and ensures continuity
- Torque then angle allows the user to torque fasteners and then switch to angle without removing the torque wrench from the fastener
- Highly configurable – ten presets with the ability to customize numerous functions (sleep mode, LCD display, calibration, cycle counter, etc.) and store up to 50 records
- "Exclusive Battery Carriage Slide" minimizes battery movement if tool is dropped or impacted for reliability
- Low-profile buttons protect against accidental activation
- Uses (three) AA alkaline batteries (included)
- Angle accuracy ±1% of reading ±1° at angular velocity >10°/sec
- Two-year warranty
- Ratchet mechanism features Snap-on® Dual 80® design – only 4.5° of ratchet arc
- Up to 90% Non-condensing
- Includes storage case

ATECH Steel Models only:

- Multiple language translation built into wrench (English, French, German, Spanish)
- Compact, all-metal body
- For more information visit www.snapon.com/doitjustright

Applications:
Head bolts on large and small trucks, passenger vehicles, motorcycles, snowmobiles, ATVs, automobile suspensions and brakes

Specifications	ATECH1FR240B**	ATECH2FR100B**	ATECH3FR250B**	ATECH4R600* **	ATECH2FS100**	ATECH3FS250**
Square Drive, inches	1/4	3/8	1/2	3/4	3/8	1/2
Head Type	Sealed Flex Head	Sealed Flex Head	Sealed Flex Head	Sealed Fixed Head	Sealed Flex Head	Sealed Flex Head
Gear Teeth	72	80	80	32	80	80
Gear Action	5°	4.5°	4.5°	11°	4.5°	4.5°
Range, in-lb	12–240	60–1,200	150–3,000	720–7,200	60–1,200	150–3,000
Range, ft-lb	1–20	5–100	12.5–250	60–600	5–100	12.5–250
Range, N•m	1.36–27.12	6.8–135.0	16.9–339	81–813	6.8–135.0	16.9–339
Angle Range	0°–360°	0°–360°	0°–360°	5°–360°	0°–360°	0°–360°
Head Depth, inches	7/16	9/16	3/4	1 1/4	9/16	3/4
Head Width, inches	7/8	1 1/4	1 5/8	2 1/2	1 1/4	1 5/8
Operating Temperature	0–130 °F (0–54 °C)	0–130 °F (-17–54 °C)	0–130 °F (-17–54 °C)	40-110 °F (5-42 °C)	0–130 °F (-17–54 °C)	0–130 °F (-17–54 °C)
Storage Temperature	0–130 °F (0–54 °C)	0–130 °F (-17–54 °C)	0–130 °F (-17–54 °C)	0–122 °F (-20–50 °C)	0–130 °F (-17–54 °C)	0–130 °F (-17–54 °C)
Housing Color	Black	Black	Black	Black	Chrome	Chrome
Length, inches	16.4	17.9	26.6	49.0	15.4	26.7
Ratchet Service Kit	RKRT72A	RKRF80	RKRS80A	RKRQC4	RKRF80	RKRS80A
Storage Case	PBATECH100B	PBATECH100B	PBATECH250B	PBATECH4	PBATECH100B	PBATECH250B

*Includes protective boot.
** CE

All *Snap-on* torque wrenches, drivers and testers are provided with a Certificate of Calibration (unless otherwise indicated). All wrenches and drivers are calibrated per ASME® and ISO® standards for accuracy, from 20–100% of full scale, using NIST® traceable equipment.



CTECH3FR250



CTECH4R600



CTECH2Y100



CTAL1240



CTAL1R240



CTAL1J240

ControlTech Industrial Torque Wrench

In addition to features found in the standard CTECH series wrenches, the CTAL series of wrenches also feature:
- Manufactured from rugged black anodized 6061-T6 aerospace aluminum for durability and reduced weight
- Multiple language translation built into wrench (English, French, German, Spanish)

CTECH/CTAL Features

- Torque and Angle combo modes provide the most accurate and fastest way to achieve torque plus angle in a single motion (patent pending)
- Built-in calibration factor for different head lengths (patent pending)
- Dual side LED indicator lights with configurable settings including customizable passwords
- Large LCD screen with backlight
- Four indicator modes: LCD, LED, audible, vibratory
- Rugged, all-metal body for strength
- 50 presets with lockout ability
- Sequence programming and job mode
- USB downloadable data
- Two-year warranty
- Includes storage case

CTECH/CTAL Specifications

- Torque Accuracy: +/- 2%CW, +/-3%CCW
- Angle Accuracy: +/-1% of Reading, +/- 1° @ Angular Velocity › 10°/Sec ‹ 180°/Sec
- Angle Range: 0–360°
- Storage Capacity: 1,500 Readings
- Number of Presets: 50
- Operating Temperature: 0–130 °F (-18–54 °C)
- Storage Temperature: 0–130 °F (-18–54 °C)
- Humidity: Up to 90% Non-condensing

Stock No.	Head Type	Square Drive, inches	Gear Teeth	Gear Action	Range, in-lb	Range, ft-lb	Range, N•m	Shank Diameter, inches	Weight, lb (kg)	Length, inches (mm)
CTECH1FR240*	Sealed Flex Head	1/4	72	5°	12–240	1.0–20.0	1.4–27.2	—	2.0 (.9)	14.1 (358)
CTECH1R240*	Sealed Fixed Head	1/4	72	5°	12–240	1.0–20.0	1.4–27.2	—	2.0(.9)	14.1 (358)
CTECH2FR100**	Sealed Flex Head	3/8	80	4.5°	60–1,200	5–100	6.8–135.6	—	2.7 (1.2)	17.2 (437)
CTECH3FR250***	Sealed Flex Head	1/2	80	4.5°	150–3,000	12.5–250	16.9–339	—	4.5 (2.0)	26.7 (678)
CTECH4R600†**	Sealed Fixed Head	3/4	32	11°	360–7,200	30–600	40.7–813.5	—	10.5 (4.8)	48.6 (1,234)
CTECH1J240	Interchangeable	—	—	—	12–240	1.0-20.0	1.4-27.2	J (0.425")	1.8 (0.8)	12.5 (318)
CTECH2Y100	Interchangeable	—	—	—	60–1,200	5–100	6.8–135.6	Y (0.560")	2.7 (1.2)	17.2 (436.9)
CTECH3X250	Interchangeable	—	—	—	150–3,000	12.5–250	16.9–339	X (0.735")	3.6 (1.6)	24.1 (612)
CTECH4Z600	Interchangeable	—	—	—	360–7,200	30–600	40.7–813.5	Z (0.990")	7.6 (3.5)	44.8 (1,138)
CTAL1J240	Interchangeable	—	—	—	12-240	1.0-20.0	1.4-27.2	J (0.425")	1.0 (0.45)	12.5 (316)
CTAL1R240	Sealed Fixed Head	1/4	72	5°	12–240	1.0–20.0	1.4–27.2	—	1.2 (0.54)	14.1 (358)
CTAL1240	Fixed Head	1/4	—	—	12–240	1.0–20.0	1.4–27.2	—	1.1 (0.49)	12.4 (315)

*Uses Ratchet Service Kit RKRT72A Includes three AAA Lithium batteries.
**Uses Ratchet Service Kit RKRF80. Includes three AA Lithium batteries.
***Uses Ratchet Service Kit RKRS80A. Includes three AA Lithium batteries.
†Uses Ratchet Service Kit RKRQC4. Includes three AA Lithium batteries.
CTAL Torque Wrenches include three AAA Lithium batteries.

⚠WARNING

- Do not exceed rated torque
- Do not use to break fasteners loose
- Periodic recalibration is necessary to maintain accuracy
- Read safety precautions on pages W1 to W4

TECHWRENCH® TORQUE WRENCHES



TECH2R100



TECH4R600

Techwrench (all models)

- Manual preset and automatic track and peak hold modes
- Torque units conversion, N•m, ft-lb, in-lb
- Audible (tone) and tactile (vibrating handle) preset alerts
- Display resolution 0.1 ft-lb, 0.1 N•m, 1 in-lb
- Each button has only one function (power on, preset increase, preset decrease, unit of measure select)
- Comfortable, nonslip grip
- Sealed flex head ratchets move ±15°
- Three AA alkaline cells included
- Low battery indicator and auto shutoff after two minutes idle
- Operating temperature 40–110 °F (5–42 °C)
- Storage temperature 0–122 °F (-20–50 °C)
- Humidity up to 90% non-condensing
- Splash proof, protects against water and most automotive shop fluid
- ISO-6789-2003 and ASME® B107.300-2010 (B107.28) standard compliant
- Certificate of NIST® traceability for 20%–100% of full scale
- Dual 80® technology on all 72- and 80- tooth models
- Includes storage case

Standard Models - 2% Accuracy/Fixed Head

	TECH1R240*	TECH2R100*	TECH3R250*	TECH4R600*
Square Drive, inches	1/4	3/8	1/2	3/4
Head Type	Sealed Fixed Ratchet	Sealed Fixed Ratchet	Sealed Fixed Ratchet	Sealed Fixed Ratchet
Gear Teeth	72	80	80	32
Gear Action	5°	4.5°	4.5°	11°
Range, in-lb	24–240	60–1,200	300–3,000	720–7,200
Range, ft-lb	2–20	5–100	25–250	60–600
Range, N•m	27.1–27.12	6.7–135	34–339	81–813
Head Depth, inches	7/16	5/8	3/4	1 1/4
Head Width, inches	7/8	1 5/32	1 5/8	2 1/2
Housing Color	Red	Red	Red	Red
Length, inches	15 1/4	17 1/4	26 1/4	48
Ratchet Service Kit	**RKRT72A**	**RKRTF80**	**RKRS80A**	**RKRQC4**

* CE



TECH3FR250



TECH2Y100



TECH4Z600

Techwrench (standard models)

- Torque accuracy ratchet head models: 2% CW, 3% CCW from 20%–100% F.S. 4% CW, 6% CCW from 10%–19% F.S. 8% CW, 10% CCW from 5%–9% F.S. (TECH2 only)
- Torque accuracy interchangeable head models: 4% CW, 6% CCW from 20%–100% F.S. 8% CW, 12% CCW from 10%–19% F.S. 16% CW, 20% CCW from 5%–9% F.S. (TECH Y only)

Standard Models - 2% Accuracy

	TECH1FR240*	TECH2FR100*	TECH3FR250*
Square Drive, inches	1/4	3/8	1/2
Head Type	Sealed Flex Head	Sealed Flex Head	Sealed Flex Head
Gear Teeth	72	80	80
Gear Action	5°	4.5°	4.5°
Range, in-lb	24–240	60–1,200	300–3,000
Range, ft-lb	2–20	5–100	25–250
Range, N•m	27.1–27.12	6.7–135	34–339
Head Depth, inches	7/16	5/8	3/4
Head Width, inches	7/8	1 5/32	1 5/8
Housing Color	Red	Red	Red
Length, inches	15 1/4	17 1/4	26 1/4
Ratchet Service Kit	**RKRT72A**	**RKRF80**	**RKRS80A**

* CE

Standard Models - 4% Accuracy/ Interchangeable Head

	TECH1J240*	TECH2Y100*	TECH3X250*	TECH4Z600*
Range, in-lb	24–240	60–1,200	300–3,000	720–7,200
Range, ft-lb	2–20	5–100	25–250	60–600
Range, N•m	27.1–27.12	6.7–135	34–339	81–813
Shank Diameter	J (0.425")	Y (0.560")	X (0.735")	Z (0.990")
Housing Color	Red	Red	Red	Red
Length, inches	13 3/4	15 1/2	23 3/4	42

Wrench length specification does not include the length of interchangeable heads.
The certification of accuracy provided per *ASME* and ISO® standards is 20% to 100% of full scale.

* CE

The QD Series of click-type Torque Instruments features an innovative design that provides consistently accurate readings and rugged, trouble-free performance.


GQT1F200NP


QD2R100


QD3150

Features:

- **Certificate of Calibration.** A Certificate of Calibration is packed with every QD series torque instrument. Actual certification readings and individual instrument serial number are included. Each torque instrument, as calibrated at the factory, is certified to meet the accuracy specified in ASME® and was calibrated on a torque standard traceable to the National Institute of Standards Technology (NIST®)
- **Accuracy.** All QD series torque instruments are accurate to ±4% clockwise and ±6% counterclockwise from 20% to 100% of full scale
- **Long Life Ratchet Head.** QD series torque instruments feature the Snap-on® high strength sealed ratchet head. Sealed ratchet heads keep out dirt and moisture while being virtually maintenance-free. Applies to all QD series ratchet head models. (US Patent #6,125,722) applies to 1/4", 3/8" and 1/2" drive ratchet head models only
- **Minimal Friction "Hour Glass" Cam.** Unique cam design minimizes friction due to reduced contact area between the cam and internal tube wall. Cam retains and releases lubricant where needed. Reduced friction results in more accurate and repeatable torque values
- **Laser Etched Scale.** Easier to read under most light conditions
- **Positive Stop.** Instrument cannot be accidentally disassembled if wound down past scale
- **Long-Term Protection.** Each instrument includes a storage case

US Torque Instruments (in-lb) - ±4% Accuracy

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Range, min	Range, max	Increments	Length, inches	Head Width, inches	Head Depth, inches	Storage Case	Ratchet Service Kit
1/4	QD150	Fixed	—	—	10 in-lb	50 in-lb	.5 in-lb	9 3/4	5/8	13/16	PBQD1	—
1/4	QD1R50	Fixed Ratchet	36	10°	10 in-lb	50 in-lb	.5 in-lb	9 7/8	7/8	7/16	PBQD1	RKRT936
1/4	QD1200	Fixed	—	—	40 in-lb	200 in-lb	1 in-lb	10 15/16	5/8	13/16	PBQD1	—
1/4	QD1R200	Fixed Ratchet	36	10°	40 in-lb	200 in-lb	1 in-lb	11 1/16	7/8	7/16	PBQD1	RKRT936
1/4	GQT1F200NP	Plain	32	12°	40 in-lb	200 in-lb	1 in-lb	8.97	.61	.69	WPB7	—
1/4	GQT1R200NP	Fixed Ratchet	32	12°	40 in-lb	200 in-lb	1 in-lb	8.97	.88	.76	WPB7	R11AR-RK
3/8	QD2R200	Compact Ratchet	36	10°	40 in-lb	200 in-lb	1 in-lb	11 1/16	7/8	7/16	PBQD1	RKRFC936
3/8	GQT2R200NP	Fixed Ratchet	32	12°	40 in-lb	200 in-lb	1 in-lb	8.97	.88	.88	WPB7	R21AR-RK
3/8	QD21000	Fixed	—	—	200 in-lb	1,000 in-lb	5 in-lb	14 9/16	1	1 3/16	PBQD2	—
3/8	QD2R1000	Fixed Ratchet	36	10°	200 in-lb	1,000 in-lb	5 in-lb	15 9/16	1 5/32	9/16	PBQD2	RKRF936
3/8	GQT2F1000NP	Plain	32	12°	200 in-lb	1,000 in-lb	5 in-lb	14	.80	1.03	WPB7	R11AR-RK
3/8	GQT2R1000NP	Fixed Ratchet	32	12°	200 in-lb	1,000 in-lb	5 in-lb	14	1.26	1.07	WPB50A	R22AR-RK
1/2	QD3R1600	Fixed Ratchet	36	10°	320 in-lb	1,600 in-lb	10 in-lb	19	1 5/8	3/4	PBQD3	RKRS936
1/2	QD32500	Fixed	—	—	500 in-lb	2,500 in-lb	10 in-lb	18 1/8	1	1 1/4	PBQD3	—
1/2	QD3R2500	Fixed Ratchet	36	10°	500 in-lb	2500 in-lb	10 in-lb	19 1/8	1 5/8	3/4	PBQD3	RKRS936

US Torque Instruments (ft-lb) - ±4% Accuracy

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Range, min	Range, max	Increments	Length, inches	Head Width, inches	Head Depth, inches	Storage Case	Ratchet Service Kit
3/8	QD275	Fixed	—	—	15 ft-lb	75 ft-lb	.5 ft-lb	14 9/16	1	1 3/16	PBQD2	—
3/8	QD2FR75	Flex Ratchet	36	10°	5 ft-lb	75 ft-lb	.5 ft-lb	15 3/4	1 5/32	9/16	PBQD2	RKRF936
3/8	QD2100	Fixed	—	—	20 ft-lb	100 ft-lb	.5 ft-lb	14 9/16	1	1 3/16	PBQD2	—
3/8	QD2R100A	Fixed Ratchet	80	4.5°	20 ft-lb	100 ft-lb	.5 ft-lb	15 9/16	1 7/32	9/16	PBQD2	RKRF936
1/2	QD3150	Fixed	—	—	30 ft-lb	150 ft-lb	1 ft-lb	18	1	1 1/4	PBQD3	—
1/2	QD3R150	Fixed Ratchet	36	10°	30 ft-lb	150 ft-lb	1 ft-lb	19	1 5/8	3/4	PBQD3	RKRS936
1/2	QD3250	Fixed	—	—	50 ft-lb	250 ft-lb	1 ft-lb	23 3/16	1	1 1/4	PBQD3	—
1/2	QD3R250	Fixed Ratchet	36	10°	50 ft-lb	250 ft-lb	1 ft-lb	24 3/16	1 5/8	3/4	PBQD3	RKRS936
1/2	BRUTUS3R250D	Fixed Ratchet	36	10°	50 ft-lb	250 ft-lb	1 ft-lb	28	1 3/8	3/4	PBTQ4	RKRS936
1/2	GQT3R250NP	Fixed Ratchet	32	12°	50 ft-lb	250 ft-lb	1 ft-lb	23.75	1.74	1.42	WPB5	R33AR-RK
3/4	QD4400	Fixed	—	—	80 ft-lb	400 ft-lb	2.5 ft-lb	33 3/4	1 1/2	1 1/2	PBQC4	—
3/4	QD4R400	Fixed Ratchet	32	11°	80 ft-lb	400 ft-lb	2.5 ft-lb	35 3/4	2 1/2	1 1/4	PBQC4	RKRQC4
3/4	QD4600	Fixed	—	—	120 ft-lb	600 ft-lb	5 ft-lb	40 3/4	1 1/2	1 1/2	PBQC4	—
3/4	QD4R600	Fixed Ratchet	32	11°	120 ft-lb	600 ft-lb	5 ft-lb	42 3/4	2 1/2	1 1/4	PBQC4	RKRQC4
1	QD5R1000	Fixed Ratchet	30	12°	200 ft-lb	1,000 ft-lb	5 ft-lb	71	3 1/8	1 1/2	PBQC5	RKRQC5

⚠WARNING

- Do not exceed rated torque
- Do not use to break fasteners loose
- Periodic recalibration is necessary to maintain accuracy
- Read safety precautions on pages W1 to W4

ADJUSTABLE CLICK-TYPE

Metric Torque Wrenches (kg-m, kg-cm) - ±4% Accuracy



QD2RM1000

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Range, min	Range, max	Increments	Length, inches	Head Width, inches	Head Depth, inches	Storage Case	Ratchet Service Kit
3/8	**QD2RM1000**	Flex Head	36	10°	200 kg-cm	1,000 kg-cm	5 kg-cm	15 9/16	1 5/32	9/16	**PBQD2**	**RKRF936**
1/2	**QD3RM30**	Fixed Ratchet	36	10°	6 kg-m	30 kg-m	.2 kg-m	19	1 5/8	3/4	**PBQD3**	**RKRS936**

Newton Meter Torque Wrenches - ±4% Accuracy



QD2RN50

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Range, min	Range, max	Increments	Length, inches	Head Width, inches	Head Depth, inches	Storage Case	Ratchet Service Kit
1/4	**QD1RN6A**	Fixed Ratchet	36	10°	1 N•m	6 N•m	.05 N•m	9 7/8	7/8	7/16	**PBQD1**	**RKRT936**
1/4	**QD1RN25A**	Fixed Ratchet	36	10°	5 N•m	25 N•m	.1 N•m	11 3/4	7/8	7/16	**PBQD1**	**RKRT936**
3/8	**QD2RN25A**	Compact Ratchet	36	10°	5 N•m	25 N•m	.1 N•m	11 3/4	7/8	7/16	**PBQD2**	**RKRFC936**
3/8	**QD2RN50**	Fixed Ratchet	36	10°	10 N•m	50 N•m	.5 N•m	15 9/16	1 5/32	9/16	**PBQD2**	**RKRF936**
3/8	**QD2RN100**	Fixed Ratchet	36	10°	20 N•m	100 N•m	.5 N•m	15 9/16	1 5/32	9/16	**PBQD2**	**RKRF936**
1/2	**QD3RN200**	Fixed Ratchet	36	10°	40 N•m	200 N•m	2 N•m	19	1 5/8	3/4	**PBQD3**	**RKRS936**
1/2	**QD3RN350**	Fixed Ratchet	36	10°	70 N•m	350 N•m	2 N•m	24 3/16	1 5/8	3/4	**PBQD3**	**RKRS936**
3/4	**QD4RN800**	Fixed Ratchet	32	11°	150 N•m	800 N•m	5 N•m	42 3/4	2 1/2	1 1/4	**PBQC4**	**RKRQC4**

ADJUSTABLE CLICK-TYPE, TQ SERIES

TQ Thumb Wheel Series:

- Flex Head Models offer sealed Snap-on® ratchets, which flex up to 15° to provide knuckle and obstruction clearance
- Fixed Ratchet Models offer a sealed *Snap-on* ratchet that is rigidly fixed in line with the torque body
- *Snap-on* Sealed Ratchet Head is virtually maintenance-free; more time working with the tool, less time on tool maintenance
- Thumb Screw Type Adjustment is faster than cycling through a micrometer style torque wrench. Guard prevents setting from being changed accidentally. Setting is displayed in window. Conversion table to N•m displayed on handle
- Sealed Neck keeps dust and grit away from the torque mechanism for longer tool life
- "Split Beam" Measuring Element provides accurate, reliable readings and eliminates the heavy coil spring used in conventional click-type wrenches. This yields fewer moving parts, reducing friction and wear
- Cushion Grip Handle provides comfort plus control and resists most automotive fluids
- Designed for measuring torque in a clockwise direction only. Wrench is not reversible
- CE EU — GB, FR, ES, DE



TQFR100C



TQFR250E



TQR600E

Guaranteed Accuracy:

TQ Series – Accurate within ±4% of any clockwise setting from 20% of full scale to full scale.

TQR400E/TQR600E only:

- ±4% of setting when used in the following orientations:
- Main body vertical orientation
- Torque wrench square drive axis with vertical orientation
- In all other positions, guaranteed accuracy is ±5% Accuracy is guaranteed in the clockwise direction from 20%-100% full scale.

US Reading Torque Wrenches with Conversion Scale - ±4% Accuracy

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Range, min	Range, max	Increments	Length, inches	Head Width, inches	Head Depth*, inches	Ratchet Service Kit	Storage Case
3/8	**TQFR50C**	Flex	36	10°	120 in-lb	600 in-lb	10 in-lb	18 5/8	1 5/8	9/16	**RKRF936**	**PB50B**
3/8	**TQFR100C**	Flex	36	10°	20 ft-lb	100 ft-lb	2 ft-lb	18 5/8	1 5/8	9/16	**RKRF936**	**PB50B**
1/2	**TQFR250E**	Flex Head	36	10°	40 ft-lb	250 ft-lb	5 ft-lb	22 3/8	1 5/8	3/4	**RKRS936**	**PBTQ3**
1/2	**TQR250E**	Fixed Ratchet	36	10°	40 ft-lb	250 ft-lb	5 ft-lb	22 3/8	1 5/8	3/4	**RKRS936**	**PBTQ3**
3/4	**TQR400E****	Detach Ratchet	32	11°	80 ft-lb	400 ft-lb	10 ft-lb	38 1/8	2 1/2	1 1/4	**RKRTQ4**	**PBTQ4**
3/4	**TQR600E****	Detach Ratchet	32	11°	200 ft-lb	600 ft-lb	10 ft-lb	48 5/8	2 1/2	1 1/4	**RKRTQ4**	**PBTQ4**

All wrenches are non-reversible
*Does not include square drive dimension
**Three-piece construction disassembles for storage/transport.

All *Snap-on* torque wrenches, drivers and testers are provided with a Certificate of Calibration (unless otherwise indicated).
All wrenches and drivers are calibrated per ASME® and ISO® standards for accuracy, from 20 to 100% of full scale, using NIST® traceable equipment.



TQFRN350E

Newton Meter Torque Wrenches with Conversion Scale - ±4% Accuracy

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Range, min	Range, max	Increments	Length, inches	Head Depth*, inches	Ratchet Service Kit
3/8	**TQFRN130B**	Flex Head	30	12°	25 N•m	130 N•m	5 N•m	17 5/8	9/16	**RKQJA2D**
3/8	**TQFRN68B**	Flex Head	30	12°	14 N•m	68 N•m	2 N•m	17 5/8	9/16	**RKQJA2D**
1/2	**TQFRN350E**	Flex Head	32	11°	70 N•m	350 N•m	5 N•m	22 1/8	3/4	**RKTQ3**

All wrenches are non-reversible. 3/8" drive models in this table are metal handle.
*Does not include square drive dimension.



TQFRM34D

Metric Torque Wrenches with Conversion Scale - ±4% Accuracy

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Range, min	Range, max	Increments	Length, inches	Head Width, inches	Head Depth*, inches	Ratchet Service Kit
1/2	**TQFRM34D**	Flex Head	32	11°	5.0 kg-m	34 kg-m	1.0 kg-m	22 1/8	1 5/8	3/4	**RKTQ3**
3/4	**TQRM80C**	Detach Ratchet	32	11°	26.0 kg-m	80 kg-m	2.0 kg-m	48	2 3/8	1 1/4	**RKRQC4**

All wrenches are non-reversible.
*Does not include squre drive dimension.

TORQOMETER® TORQUE WRENCHES

US Reading/Standard - ±2% Accuracy

Square Drive, inches	Basic Models Stock No.	Follow up Models Stock No.	Signal Models Stock No.	Range	Increments	Length, inches	Width, inches	Head Depth*, inches	Storage Case
1/4	**TE1A**	**TE1FUA**	–	15 in-lb	1/4 in-lb	9 29/32	2 11/16	1 1/4	**PB9**
1/4	**TE3A**	**TE3FUA**	–	30 in-lb	1/2 in-lb	9 29/32	2 11/16	1 1/4	**PB9**
1/4	**TE6A**	**TE6FUA**	–	75 in-lb	1 in-lb	9 29/32	2 11/16	1 1/4	**PB9**
1/4	**GTE6A**	–	–	75 in-lb	1 in-lb	9 29/32	2 11/16	1 1/4	**PB9**
3/8	**TE12A**	**TE12FUA**	**TE12LA**	150 in-lb	2 1/2 in-lb	9 29/32	2 11/16	1 1/4	**PB9**
3/8	**TE25A**	**TE25FUA**	**TE25LA**	300 in-lb	5 in-lb	9 29/32	2 11/16	1 1/4	**PB9**
3/8	**TE50A**	**TE50FUA**	**TE50LA**	600 in-lb	10 in-lb	12 1/2	2 11/16	1 1/4	**PB9**
3/8	**TE12FA**	**TE12FFUA**	**TE12FLA**	12 ft-lb	1/2 ft-lb	9 29/32	2 11/16	1 1/4	**PB9**
3/8	**TE25FA**	**TE25FFUA**	**TE25FLA**	25 ft-lb	1/2 ft-lb	9 29/32	2 11/16	1 1/4	**PB9**
3/8	**TE50FA**	**TE50FFUA**	**TE50FLA**	50 ft-lb	1 ft-lb	12 1/2	2 11/16	1 1/4	**PB9**
1/2	**TE51**	**TE51FU**	**TE51L**	600 in-lb	10 in-lb	15	2 11/16	1 5/16	–
1/2	**TE51F**	**TE51FFU**	**TE51FL**	50 ft-lb	1 ft-lb	15	2 11/16	1 5/16	–
1/2	**TE100**	**TE100FU**	**TE100L**	100 ft-lb	1 ft-lb	16	2 3/4	1 3/8	**PBR5**
1/2	**GTE100**	–	–	100 ft-lb	1 ft-lb	16	2 3/4	1 3/8	**PBR5**
1/2	**TE175**	**TE175FU**	**TE175L**	175 ft-lb	2 1/2 ft-lb	18 3/4	2 3/4	1 3/8	**PBR5**
1/2	**GTE175**	–	–	175 ft-lb	2 1/2 ft-lb	18 3/4	2 3/4	1 3/8	**PBR5**
1/2	**TE250**	**TE250FU**	**TE250L**	250 ft-lb	5 ft-lb	23 3/4	2 3/4	1 3/8	**PB8A**
3/4	**TE352A**	**TE352FUA**	**TE352LA**	350 ft-lb	5 ft-lb	29 7/8	3 1/4	1 25/32	–
3/4	**TE602A**	**TE602FUA**	**TE602LA**	600 ft-lb	10 ft-lb	40 7/8	3 1/4	1 25/32	**PB39**
1	**TE803****	**TE803FU****	**TE803L****	800 ft-lb	10 ft-lb	66 13/16	3 9/16	2 1/32	–
1	**TE1003****	**TE1003FU****	**TE1003L****	1,000 ft-lb	10 ft-lb	66 13/16	3 9/16	2 1/32	–
1	**TE1503**†	**TE1503FU**†	**TE1503L**†	1,500 ft-lb	25 ft-lb	80	4 13/32	2 1/8	–
1	**TE2003**†	**TE2003FU**†	**TE2003L**†	2,000 ft-lb	25 ft-lb	80	4 13/32	2 1/8	–
1 1/2	**TE2005**†	**TE2005FU**†	**TE2005L**†	2,000 ft-lb	25 ft-lb	80	3 9/16	2 3/8	–
1 1/2	**TE3005**†	**TE3005FU**	**TE3005L**	3,000 ft-lb	50 ft-lb	140	5 1/2	2 13/16	–





GTE6A



TE50FUA



TE175L

Wrenches in chart do not include certificate of calibration. Wrenches with a certificate of calibration are available by adding "C" to the end of the stock number
*Does not include square drive dimension.
**Includes separately packed 92TQPA 4' tubular extension handle.
†Includes separeately packed 93TQPA 5' tubular extension handle.
Basic model = 1 needle
Follow-up = 2 needles
Signal = signal light
GTE models feature a black oxide finish

⚠WARNING

- Do not exceed rated torque
- Do not use to break fasteners loose
- Periodic recalibration is necessary to maintain accuracy
- Read safety precautions on pages W1 to W4

TORQOMETER® TORQUE WRENCHES



TESI75



TESI75L

Newton Meter Reading/Standard - 2% Accuracy

Square Drive, inches	Basic Models Stock No.	Follow up Models Stock No.	Signal Models Stock No.	Range, N•m	Increments, N•m	Length, inches	Width, inches	Head Depth*, inches	Storage Case
1/4	TESI5	–	TESI5L	5	.2	9 29/32	2 11/16	1 1/4	PB9
1/4	TESI10	TESI10FU	TESI10L	10	.5	9 29/32	2 11/16	1 1/4	PB9
3/8	TESI20	TESI20FU	TESI20L	20	.5	9 29/32	2 11/16	1 1/4	PB9
3/8	TESI30	TESI30FU	TESI30L	30	1.0	9 29/32	2 11/16	1 1/4	PB9
3/8	TESI60	TESI60FU	TESI60L	60	2.0	12 1/2	2 11/16	1 1/4	PB9
3/8	TESI70	TESI70FU	TESI70L	70	2.0	12 1/2	2 11/16	1 1/4	PB9
3/8	TESI75	TESI75FU	TESI75L	75	1.0	12 1/2	2 11/16	1 1/4	PB9
1/2	TESI125	TESI125FU	TESI125L	125	5.0	16	2 11/16	1 3/8	PBR5
1/2	TESI200	TESI200FU	TESI200L	200	5.0	18 3/4	2 3/4	1 3/8	PBR5
1/2	TESI250	TESI250FU	TESI250L	250	5.0	18 3/4	2 3/4	1 3/8	PBR5
3/4	TESI500A	TESI500FUA	TESI500LA	500	10.0	29 7/8	3 1/4	1 25/32	PB39
3/4	TESI800A	TESI800FUA	TESI800LA	800	20.0	40 7/8	3 1/4	1 25/32	PB39
1	TESI1360**	TESI1360FU**	TESI1360L**	1,360	20.0	66 13/16	3 9/16	2 1/32	–
1	TESI2803***	TESI2803FU***	TESI2803L***	2,800	50.0	80	4 13/32	2 1/8	–
1 1/2	TESI2805***	TESI2805FU***	TESI2805L***	2,800	50.0	80	4 25/32	2 3/8	–
1 1/2	–	TESI4000FU	TESI4000L	4,000	100.0	140	5 1/2	2 13/16	–

Wrenches in chart do not include certificate of calibration. Wrenches with a certificate of calibration are available by adding "C" to the end of the stock number.
*Does not include square drive dimension.
**Includes separately packed 92TQPA 4' tubular extension handle.
†Includes separately packed 93TQPA 5' tubular extension handle.
Basic model= 1 needle
Follow-up = 2 needles
Signal = signal light



TER175



TER175L

Combination US/Newton Meter Reading – Precise 1% Accuracy

Square Drive, inches	Basic Models Stock No.	Follow up Models Stock No.	Signal Models Stock No.	Range, N•m	Increments, N•m	US Range	US Increments	Length, inches	Width, inches	Head Depth*, inches	Storage Case
1/4	TER1A	TER1FUA	–	1.7 N•m	.05 N•m	15 in-lb	.5 in-lb	9 29/32	2 11/16	1 1/4	PB9
1/4	TER3A	TER3FUA	–	3.5 N•m	0.1 N•m	30 in-lb	1 in-lb	9 29/32	2 11/16	1 1/4	PB9
1/4	TER6A	TER6FUA	–	8.4 N•m	0.2 N•m	75 in-lb	1 in-lb	9 29/32	2 11/16	1 1/4	PB9
3/8	TER12A	TER12FUA	TER12LA	17 N•m	.5 N•m	150 in-lb	5 in-lb	9 29/32	2 11/16	1 1/4	PB9
3/8	TER25A	TER25FUA	TER25LA	3200 N•cm	50 N•cm	300 in-lb	5 in-lb	9 29/32	2 11/16	1 1/4	PB9
3/8	TER50A	TER50FUA	TER50LA	60 N•m	1 N•m	600 in-lb	20 in-lb	12 1/2	2 11/16	1 1/4	PB9
1/2	TER51	TER51FU	TER51L	60 N•m	1 N•m	600 in-lb	20 in-lb	15	2 11/16	1 5/16	–
1/2	TER100	TER100FU	TER100L	140 N•m	5 N•m	100 ft-lb	2 ft-lb	16	2 3/4	1 3/8	PBR5
1/2	TER175	TER175FU	TER175L	230 N•m	10 N•m	175 ft-lb	5 ft-lb	18 3/4	2 3/4	1 3/8	PBR5
1/2	TER250	–	–	340 N•m	10 N•m	250 ft-lb	10 ft-lb	23 3/4	2 3/4	1 3/8	PB8A
3/4	TER352A	TER352FUA	TER352LA	480 N•m	10 N•m	350 ft-lb	5 ft-lb	29 7/8	3 1/4	1 3/8	PB39
3/4	TER602A	TER602FUA	TER602LA	800 N•m	20 N•m	600 ft-lb	20 ft-lb	40 7/8	3 1/4	1 25/32	PB39
1	TER1003**	–	TER1003L**	1360 N•m	20 N•m	1000 ft-lb	20 ft-lb	66 13/16	3 9/16	2 1/32	–

Wrenches in chart do not include certificate of calibration. Wrenches with a certificate of calibration are available by adding "C" to the end of the stock number.
*Does not include square drive dimension.
**Includes separately packed 92TQPA 4' tubular extension handle.
Basic model= 1 needle
Follow-up = 2 needles
Signal = signal light

All Snap-on® torque wrenches, drivers and testers are provided with a Certificate of Calibration (unless otherwise indicated).
All wrenches and drivers are calibrated per ASME® and ISO® standards for accuracy, from 20%–100% of full scale, using NIST® traceable equipment.

TORQOMETER® TORQUE WRENCHES



TEC175



TEC175L

Combination US/Metric Reading - Standard 2% Accuracy

Square Drive, inches	Basic Models Stock No.	Follow up Models Stock No.	Signal Models Stock No.	Metric Range	Metric Increments	US Range	US Increments	Length, inches	Width, inches	Head Depth*, inches	Storage Case
1/4	TEC1A	TEC1FUA	–	16 kg-cm	1 kg-cm	15 in-lb	.5 in-lb	9 29/32	2 11/16	1 1/4	PB9
1/4	TEC3A	TEC3FUA	–	35 kg-cm	1 kg-cm	30 in-lb	1 in-lb	9 29/32	2 11/16	1 1/4	PB9
1/4	TEC6A	TEC6FUA	–	90 kg-cm	2.5 kg-cm	75 in-lb	1 in-lb	9 29/32	2 11/16	1 1/4	PB9
3/8	TEC12A	TEC12FUA	TEC12LA	175 kg-cm	5 kg-cm	150 in-lb	5 in-lb	9 29/32	2 11/16	1 1/4	PB9
3/8	TEC25FA	TEC25FFUA	TEC25FLA	350 kg-cm	10 kg-cm	25 ft-lb	1 ft-lb	9 29/32	2 11/16	1 1/4	PB9
3/8	TEC50A	TEC50FUA	TEC50LA	700 kg-cm	20 kg-cm	600 in-lb	20 in-lb	12 1/2	2 11/16	1 1/4	PB9
1/2	TEC51	TEC51FU	TEC51L	700 kg-cm	20 kg-cm	600 in-lb	20 in-lb	15	2 11/16	1 5/16	–
1/2	TEC100	TEC100FU	TEC100L	14 kg-m	.5 kg-m	100 ft-lb	2 ft-lb	16	2 3/4	1 3/8	PBR5
1/2	TEC175	TEC175FU	TEC175L	25 kg-m	1 kg-m	175 ft-lb	5 ft-lb	18 3/4	2 3/4	1 3/8	PBR5
1/2	TEC250	TEC250FU	TEC250L	35 kg-m	1 kg-m	250 ft-lb	10 ft-lb	23 3/4	2 3/4	1 3/8	PB8A
3/4	TEC352A	TEC352FUA	TEC352LA	50 kg-m	1 kg-m	350 ft-lb	10 ft-lb	29 7/8	3 1/4	1 25/32	PB39
3/4	TEC602A	TEC602FUA	TEC602LA	80 kg-m	2 kg-m	600 ft lb	20 ft-lb	40 7/8	3 1/4	1 25/32	PB39
1	TEC803**	TEC803FU**	TEC803L**	110 kg-m	2 kg-m	800 ft-lb	25 ft-lb	66 13/16	3 9/16	2 1/32	–
1	–	–	TEC1003L**	136 kg-m	2 kg-m	1000 ft-lb	20 ft-lb	66 13/16	3 9/16	2 1/32	–
1	–	TEC1503FU†	TEC1503L†	200 kg-m	5 kg-m	1500 ft-lb	25 ft-lb	80	4 13/32	2 1/8	–
1	–	TEC2003FU†	TEC2003L†	280 kg-m	5 kg-m	2000 ft-lb	50 ft-lb	80	4 13/32	2 1/8	–
1 1/2	TEC2005†	TEC2005FU†	TEC2005L†	280 kg-m	5 kg-m	2000 ft-lb	50 ft-lb	80	4 13/32	2 3/8	–
1 1/2	–	TEC3005FU	TEC3005L	400 kg-m	5 kg-m	3000 ft-lb	50 ft-lb	140	5 1/2	2 13/16	–

Wrenches in chart do not include certificate of calibration. Wrenches with a certificate of calibration are available by adding "C" to the end of the stock number.
*Does not include square drive dimension.
**Includes separately packed 92TQPA 4' tubular extension handle.
†Includes separately packed 93TQPA 5' tubular extension handle.
Basic model= 1 needle
Follow-up = 2 needles
Signal = signal light

T-HANDLE *TORQOMETER* TORQUE WRENCHES



TEX602TLA



85TQP



TEXC2003TFU

US Reading Standard - 2% Accuracy

Input Drive Female Sq, inches	Output Drive Male Sq, inches	Follow up Models Stock No.	Light Signal Models Stock No.	US Range, ft-lb	US Increments, ft-lb	Metric Range, kg-m	Metric Increments, kg-m	Length, inches	Width, inches	Head Depth, inches	Optional "T" Bars/Extension Handles: "T" Bars	Length, inches	Ext., inches	Length, inches
3/4	3/4	TEX602TFUA	TEX602TLA	600	10	—	—	9	3 1/4	3 3/4	79TQP	45	–	—
3/4	1	TEX1003TFUA	TEX1003TLA	1,000	10	—	—	9 7/8	3 5/8	4 1/8	81TQP	66	–	—
1	1	–	TEX2003TL	2,000	25	—	—	10 7/8	4 3/8	4 7/16	82TQP	18	85TQP	31
1	1 1/2	TEX2005TFU	–	2,000	25	—	—	10 7/8	4 3/8	4 7/16	82TQP	18	85TQP	31

Wrenches in chart do not include certificate of calibration.
Wrenches with a certificate of calibration are available by adding "C" to the end of the stock number.
Follow-up = 2 needles
Signal = signal light

Combination US/Metric Reading

Input Drive Female Sq, inches	Output Drive Male Sq, inches	Follow up Models Stock No.	Light Signal Models Stock No.	US Range, ft-lb	US Increments, ft-lb	Metric Range, kg-m	Metric Increments, kg-m	Length, inches	Width, inches	Head Depth, inches	"T" Bar	Length, inches	Ext., inches	Length, inches
3/4	3/4	TEXC602TFUA	TEXC602TLA	600	20	80	2	9	3 1/4	3 3/4	79TQP	45	–	—
3/4	1	TEXC1003TFUA	TEXC1003TLA	1000	20	136	2	9 7/8	3 5/8	4 1/8	81TQP	66	–	—
1	1	TEXC2003TFU	TEXC2003TL	2000	50	280	5	10 7/8	4 3/8	4 7/16	82TQP	18	85TQP	31

Wrenches in chart do not include certificate of calibration.
Wrenches with a certificate of calibration are available by adding "C" to the end of the stock number.
Follow-up = 2 needles
Signal = signal light

⚠WARNING

- Do not exceed rated torque
- Do not use to break fasteners loose
- Periodic recalibration is necessary to maintain accuracy
- Read safety precautions on pages W1 to W4

TORQOMETER® TORQUE DRIVERS – 1/4" DRIVE

US Reading – Standard 2% Accuracy

Standard Basic Models Stock No.	Standard Follow up Models Stock No.	Length, inches	Stubby Basic Models Stock No.	Stubby Follow up Models Stock No.	Length, inches	Range	Increments
TQS025A	TQS025FUA	7 3/4	TQSS025A	TQSS025FUA	5 1/4	48 in-oz/ 3 in-lb	1 in-oz/ 1/16 in-lb
TQS050A	TQS050FUA	7 3/4	TQSS050A	TQSS050FUA	5 1/4	96 in-oz/ 6 in-lb	2 in-oz/ 1/8 in-lb
TQS1A	TQS1FUA	7 3/4	TQSS1A	TQSS1FUA	5 1/4	192 in-oz/ 12 in-lb	4 in-oz/ 1/4 in-lb
TQS2A	TQS2FUA	7 3/4	TQSS2A	TQSS2FUA	5 1/4	384 in-oz/ 24 in-lb	8 in-oz/ 1/2 in-lb
TQS2.5A	TQS2.5FUA	7 3/4	TQSS2.5A	TQSS2.5FUA	5 1/4	480 in-oz/ 30 in-lb	12 in-oz/ 1 in-lb
TQS4A*	TQS4FUA*	8 11/16	TQSS4A*	TQSS4FUA*	5 1/4	50 in-lb	1 in-lb
TQS6A*	TQS6FUA*	8 11/16	TQSS6A*	TQSS6FUA*	5 1/4	75 in-lb	1 in-lb

Wrenches in chart do not incude certificate of calibration. Wrenches with a certification of calibration are available by adding "C" to the end of the stock number. All wrenches include PB47 Storage Case.
*Includes 1/4" internal square drive in handle
Basic model = 1 needle
Follow-up = 2 needles



TQSC4FUA

Combination US/Metric Reading – Standard 2% Accuracy

Standard Basic Models Stock No.	Standard Follow up Models Stock No.	Length, inches	Stubby Basic Models Stock No.	Stubby Follow up Models Stock No.	Length, inches	Range	Increments
–	TQSC1FUA	7 3/4	–	TQSSC1FUA	5 1/4	17 kg-cm/ 15 in-lb	.5 kg-cm/ .5 in-lb
–	TQSC2.5FUA	7 3/4	–	TQSSC2.5FUA	5 1/4	35 kg-cm/ 30 in-lb	1.000 kg-cm/ 1.0 in-lb
–	TQSC4FUA*	8 11/16	–	TQSSC4FUA*	5 1/4	56 kg-cm/ 50 in-lb	2 kg-cm/ 2 in-lb
–	TQSC6FUA	—	–	TQSSC6FUA*	5 1/4	90 kg-cm/ 75 in-lb	3 kg-cm/ 5 in-lb

Wrenches in chart do not incude certificate of calibration. Wrenches with a certification of calibration are available by adding "C" to the end of the stock number. All wrenches include PB47 Storage Case.
*Includes 1/4" internal square drive in handle
Basic model = 1 needle
Follow-up = 2 needles

Combination US/Newton Meter Reading – Standard 2% Accuracy**

Standard Basic Models Stock No.	Standard Follow up Models Stock No.	Length, inches	Stubby Basic Models Stock No.	Stubby Follow up Models Stock No.	Length, inches	Range	Increments
–	TQSR1FUA	7 3/4	–	–	—	1.6 N•cm/ 15 in-lb	5 N•cm/ .25 in-lb
–	TQSR2.5FUA	7 3/4	–	–	—	3.4 N•m/ 30 in-lb	.1 N•m/ 1 in-lb
–	TQSR4FUA*	8 11/16	–	–	—	5.5 N•m/ 50 in-lb	.1 N•m/ 1 in-lb
–	TQSR6FUA*	8 11/16	–	–	—	8.4 N•m/ 75 in-lb	.2 N•m/ 5 in-lb

Wrenches in chart do not include certificate of calibration. Wrenches with a certificate of calibration are available by adding "C" to the end of the stock number. All wrenches include PB47 Storage Case.
*Includes 1/4" internal square drive in handle. Follow-up = 2 needles.
**Precise 1% models are available on special order.
ANSI® Spec. B107.300 applies to all these models.

TORQUE ANGLE GAUGES



TA362

TA358 Torque Angle Gauge
- Determines angle controlled torque tightening
- Allows user to follow manufacturer's specifications
- Use on automotive, diesel and industrial equipment plus head bolts and rod bolts on motorcycles
- 3/8" square drive

TA362 Torque Angle Gauge
- Allows user to follow manufacturer's specifications
- Calibrated in degrees in large, easy-to-read increments
- 3/4" square drive

TA360 Torque Angle Gauge
- Similar to TA362 except 1/2" square drive

All Snap-on® torque wrenches, drivers and testers are provided with a Certificate of Calibration (unless otherwise indicated).
All wrenches and drivers are calibrated per ASME® and ISO® standards for accuracy, from 20%–100% of full scale, using NIST® traceable equipment.



QDRIVER3P

Preset Torque Screwdrivers - ±6% Accuracy

- Ideal for low torque assemblies and precision applications
- Drivers accept all standard 1/4" hex screwdriver bits
- Cam over torque limiting clutch-free wheels when set torque is achieved
- Accuracy is ±6% from 20%–100% of full scale in clockwise direction only for all drivers in series
- Lightweight construction features aluminum body with stainless-steel shank
- Comfortable ergonomic trilobe grip and magnetic bit retention
- Not supplied with certificate of calibration

Stock No.	Range, min	Range, max	Length, inches
QDRIVER1P	6 in-oz (4 N•cm)	32 in oz. (22 N•cm)	4 9/16"
QDRIVER2P	10 in-oz (7 N•cm)	100 in-oz (70 N•cm)	5 5/8"
QDRIVER3P	1.5 in-lb (16 N•cm)	15 in-lb (169 N•cm)	5 5/8"
QDRIVER4P	4 in-lb (45 N•cm)	40 in-lb (451 N•cm)	6"

ASME B107.300-2010 Type III, Class A, Style 2, Design A



QDRIVER3

Adjustable Torque Screwdrivers - ±6% Accuracy

- Ideal for low torque assemblies, precision applications and dash/under dash work on most US and imported vehicles
- Drivers accept all standard 1/4" hex screwdriver bits
- Cam over torque limiting clutch-free wheels when set torque is achieved
- Accuracy is ±6% from 20%–100% of full scale in clockwise direction only for all drivers in series
- Lightweight construction features aluminum body with stainless-steel shank
- Comfortable ergonomic trilobe grip and magnetic bit retention

Stock No.	Range	Resolution	Length, inches
QDRIVER2	20–100 in-oz (14–70 N•cm)	1 in-oz	5 7/16
QDRIVER3	3–15 in-lb (34–169 N•cm)	.2 in-lb	6 1/4
QDRIVER4	5–40 in-lb (56–451 N•cm)	.5 in-lb	6 11/16
QDRIVER4NM	90–450 N•cm	—	6 11/16

ASME B107.300-2010 Type III, Class A, Style 1, Design A

TORQUE DRIVERS



QTS135

Torque Limiting Drivers - ±4% Accuracy

QTS135 Adjustable Limiting Driver

- Micrometer type adjustment
- Clutch allows 25° of free rotation on reaching set torque
- Guaranteed accuracy: within ±4% of setting from 20% of capacity to full capacity clockwise and counterclockwise

QTSP135 US Preset Limiting Driver

- Clutch mechanism to help prevent over torquing by allowing free rotation upon reaching the set torque value
- Ideal selection for assembly line work where the same requirement is constant
- Can be reset at different torque values or readjusted for accuracy whenever necessary with a torque tester

Stock No.	Range, minimum	Range, maximum	Increments	Length, inches
QTS135	5 in-lb	35 in-lb	0.5 in-lb	7
QTSP135	5 in-lb	35 in-lb	0.5 in-lb	7 1/2

- Torque limit is preset at the factory so user should specify the desired torque limit when ordering



QDRIVER4NMA

Adjustable Torque Drivers

- 1/4" square drive end complements earlier QDRIVER models with 1/4" hex bit holders
- Pin retains the socket to the square drive
- Freewheels 90° when specified torque is obtained — competitive units without this freewheeling feature can cause overtorquing of the fasteners
- Torques only in the clockwise direction; accuracy within ± 6% (from 20%–100% full scale)
- New textured body provides a nonslip grip
- Comfortable ergonomic tri-lobe grip — prevents the device from rolling off a flat surface and being damaged
- Lightweight yet rugged construction
- Easy-to-read torque setting
- Certificate of Calibration included — ensures accuracy in conformance to ASME® B107.300-2010 (B107.14) and ISO 6789:2003
- Torque screwdrivers calibrated to torque standards of the National Institute of Standards Technology (NIST®)

Stock No.	Range	Increments	Length, inches
QDRIVER2A	20–100 in-oz (14–70 N•cm)	1 in-oz	5 7/16
QDRIVER3A	3–15 in-lb (34–169 N•cm)	0.2 in-lb	6 1/4
QDRIVER4A	5–40 in-lb (56–451 N•cm)	0.5 in-lb	6 11/16
QDRIVER4NMA	90–450 N•cm	5.0 N•cm	6 11/16

⚠WARNING

- Do not exceed rated torque
- Do not use to break fasteners loose
- Periodic recalibration is necessary to maintain accuracy
- Read safety precautions on pages W1 to W4

INTERCHANGEABLE HEADS



QC1I200

Torque Wrench Bodies/Adjustable/ ±4% Accuracy

Interchangeable heads permit ratcheting, fixed or open end torquing capability with either adjustable or preset torque wrench bodies. A push of the locking pin provides quick change action, with a wide range of head styles to choose from.

- Selection: there are two adjustable models for quickly setting desired torque and eight preset models for assembly line work
- Slim profile: each torque body is thin enough and long enough to get into tight areas
- Micrometer type adjustment: ensures fast, accurate settings and changes
- Guaranteed accuracy: all QC series interchangeable torque wrenches are accurate ±4% clockwise and ±6% counterclockwise from 20% to 100% of full scale

Stock No.	Model Type	Shank Diameter	Range	Increments	Length, inches
QC1I200	Adjustable	J (0.425")	40–200 in-lb	1 in-lb	9 3/8
QC2I75	Adjustable	J (0.425")	5–75 ft-lb	.5 ft-lb	13



QC1P300



QC3P200

Torque Wrench Bodies/ Preset/±4% Accuracy

Stock No.	Model Type	Shank Diameter	Range	Length, inches
QC1P60	Preset	J (0.425")	10–60 in-lb (1.1–6.8 N•m)	6
QC1P100	Preset	J (0.425")	15–100 in-lb (1.7–11.3 N•m)	8
QC1P300	Preset	J (0.425")	60–300 in-lb (6.8–33.9 N•m)	10
QC2P75	Preset	J (0.425")	5–75 ft-lb (7–100 N•m)	11
QC3P150	Pre-set	Y (0.560")	30–150 ft-lb (41–203 N•m)	23
QC3P200	Preset	Y (0.560")	40–200 ft-lb (55–270 N•m)	23
QC4P300	Preset	X (0.735")	60–300 ft-lb (82–400 N•m)	27



QD3IN200

Torque Wrench Bodies/Adjustable/Dual Range

- Plug and play system of interchangeable heads are consistently sized from pin to the center of the fastener, so no adjustment calculations are needed
- Includes certificate of calibration
- Minimal friction “Hour Glass” cam retains and releases lubricant where needed to reduce friction
- Push buttons for quick release of interchangeable head
- Laser etched scale for easier reading in varying light sources
- Positive stop ensures instrument cannot be accidentally disassembled if wound down past scale
- Each instrument comes in a molded storage case for long-term protection

Stock No.	Range, N•m	Range, ft-lb	Increments	Shank Type	Weight, lb (kg)	Length, inches (mm)
QD2IN50	10–50	9.2–35.0	0.5 N•m/0.4 ft-lb	J	2.3 (1.12)	14 1/2 (368)
QD2IN100	20–100	16.6–71.9	0.5 N•m/0.4 ft-lb	J	2.3 (1.12)	14 1/2 (368)
QD3IN200	40–200	37–140	2 N•m/1.2 ft-lb	Y	3.36 (1.64)	23 (584)
QD3IN350	70–350	59–251	2 N•m/1.2 ft-lb	X	3.36 (1.64)	23 (584)
QD4IN800*	150–800	129–572	5 N•m/4.3 ft-lb	Z	11.14 (5.46)	41 1/2 (1054)

*For use with dual pin heads only
ASME® B107.300

All Snap-on® torque wrenches, drivers and testers are provided with a Certificate of Calibration (unless otherwise indicated). All wrenches and drivers are calibrated per *ASME* and ISO® standards for accuracy, from 20%–100% of full scale, using NIST® traceable equipment.

Square Drive Heads/Ratcheting

Allow use of torque wrench bodies on previous page with sockets, crowfoot wrenches or other similar attachment.

Square Drive, inches	J (0.425")	Y (0.560")	X (0.735")	Z (0.990")	Head O.D., inches	Depth, inches	Center of Fastener to Retaining Pin	Ratchet Service Kit
1/4	QJD8A-72*	–	–	–	17/32	9/64	QJD Series – 2.50"	RKRT72A
3/8	QJD12A*(60)	QYD12A*(100)	–	–	21/32	11/64	QYD Series – 3.00"	RKRF936
1/2	QJD16A*(60)	QYD16A*(240)	QXD16A*(240)	–	21/32	11/64	QXD Series – 4.50"	RKRS936
3/4	–	–	QXD24A(240)	QZD24BDP(480)	25/32	11/64	QZD Series – 5.75"	RKRQC4
1	–	–	QXD32A(240)	QZD32BDP(480)	29/32	11/64	–	RKRQC5

*US Patent #6,125,722
Value in parentheses in chart is the Maximum Recommended Working Torque, ft-lb



QJD12A

Square Drive Heads/Fixed

Allow use of torque wrench bodies on previous page with sockets, crowfoot wrenches or other similar attachments.

Square Drive, inches	J (0.425")	Y (0.560")	X (0.735")	Z (0.990")	Center of Fastener to Retaining Pin
1/4	QJSD8A(60)	–	–	–	QJD Series – 2.50"
3/8	QJSD12A(60)	QYSD12A(100)	–	–	QYD Series – 3.00"
1/2	QJSD16A(60)	QYSD16A(240)	QXSD16A (240)	–	QXD Series – 4.50"
3/4	–	–	QXSD24A(240)	QZSD24ADP(480)	QZD Series – 5.75"
1	–	–	QXSD32A(240)	QZSD32ADP(480)	–

Value in parentheses is the Maximum Recommended Working Torque, ft-lb



QYSD16A

Ratcheting Box End Heads, 12-Point, mm

- Ratcheting box head allows constant contact with the fastener
- Plug and play shanks are consistently sized from pin to the center of the fastener, so no adjustment calculations are needed
- Reverse lever is located on top of the head to reduce the chance of accidental ratchet reversal

mm	Stock No.	Shank Diameter	O.D., mm	Head Depth, mm
10	QJBOERM10A	J (0.425")	21.9	5.0
13	QJBOERM13A	J (0.425")	25.9	6.3
16	QJBOERM16A	J (0.425")	33.6	7.0
17	QJBOERM17A	J (0.425")	36.5	7.0
18	QJBOERM18A	J (0.425")	38.5	8.0
19	QJBOERM19A	J (0.425")	38.7	8.7
22	QJBOERM22A	J (0.425")	45.7	9.4
24	QJBOERM24A	J (0.425")	49.5	11.2
18	QYBOERM18A	Y (0.560")	38.5	8.0
24	QYBOERM24A	J (0.560")	49.5	11.2



QJBOERM16A

Ratcheting Box End Heads, 12-Point, inches

	Stock No.	Shank Diameter	O.D., inches	Head Depth, inches
3/8	QJBOER12A	J (0.425")	7/8	3/16
7/16	QJBOER14A	J (0.425")	15/16	7/32
1/2	QJBOER16A	J (0.425")	1 1/32	1/4
9/16	QJBOER18A	J (0.425")	1 3/16	1/4
5/8	QJBOER20A	J (0.425")	1 5/16	9/32
3/4	QJBOER24A	J (0.425")	1 17/32	11/32
9/16	QYBOER18A	Y (0.560")	1 3/16	1/4
5/8	QYBOER20A	Y (0.560")	1 5/16	9/32
11/16	QYBOER22A	Y (0.560")	1 3/16	1 1/4
3/4	QYBOER24A	Y (0.560")	1 17/32	11/32



QJBOER16A

Ratcheting Pipe Wrench Heads, inches

	Stock No.	Shank Diameter	O.D., inches	Head Depth, inches
2	RPWH128Z	Z (0.990")	3 1/4	.665

Value in parentheses is the Maximum Recommended Working Torque, ft-lb



RPWH128YZ

⚠WARNING

- Do not exceed rated torque
- Do not use to break fasteners loose
- Periodic recalibration is necessary to maintain accuracy
- Read safety precautions on pages W1 to W4

INTERCHANGEABLE HEAD, CLICK-TYPE TORQUE WRENCHES

12-Point Box End Heads, mm



QYXM21A

Center of fastener to retaining pin:
- **QJXM** Series – 2 .50"
- **QYXM** Series – 3.00"
- **QXXM** Series – 4.50"
- **QZXM** Series – 5.75"

mm	J (0.425")	Y (0.560")	X (0.735")	Z (0.990")	O.D., mm	Head Depth, mm
6	QJXM6A(15)	–	–	–	11	5
7	QJXM7A(20)	–	–	–	11	5
8	QJXM8A(22)	–	–	–	13	6
9	QJXM9A(30)	–	–	–	14	6
10	QJXM10A(53)	–	–	–	15	7
11	QJXM11A(59)	–	–	–	17	8
12	QJXM12A(60)	–	–	–	18	8
13	QJXM13A(60)	–	–	–	20	9
14	QJXM14A(60)	QYXM14A(117)	QXXM14A(117)	–	21	9
15	QJXM15A(60)	QYXM15A(148)	–	–	22	10
16	QJXM16A(60)	QYXM16A(160)	QXXM16A(183)	–	24	10
17	QJXM17A(60)	QYXM17A(160)	QXXM17A(197)	–	25	11
18	QJXM18A(60)	QYXM18A(160)	QXXM18A(224)	–	27	12
19	QJXM19A(60)	QYXM19A(160)	QXXM19A(238)	–	28	12
20	QJXM20A(60)	QYXM20A(160)	QXXM20A(240)	–	30	13
21	QJXM21A(60)	QYXM21A(160)	QXXM21A(240)	–	31	13
22	QJXM22A(60)	QYXM22A(160)	QXXM22A(240)	–	32	14
23	QJXM23A(60)	QYXM23A(160)	QXXM23A(240)	–	34	15
24	QJXM24A(60)	QYXM24A(160)	QXXM24A(240)	QZXM24ADP(375)	35	15
25	–	–	QXXM25A(240)	QZXM25ADP(413)	37	16
26	QJXM26A(60)	QYXM26A(160)	–	QZXM26ADP(448)	38	16
27	QJXM27A(60)	QYXM27A(160)	QXXM27A(240)	QZXM27ADP(480)	39	17
29	–	QYXM29A(160)	QXXM29A(240)	QZXM29ADP(480)	42	18
30	–	QYXM30A(160)	QXXM30A(240)	QZXM30ADP(480)	44	19
32	–	QYXM32A(160)	QXXM32A(240)	QZXM32ADP(480)	46	19
34	–	QYXM34A(160)	QXXM34A(240)	QZXM34ADP(480)	48	19
36	–	QYXM36A(160)	QXXM36A(240)	QZXM36ADP(480)	53	22

Value in parentheses is the Maximum Recommended Working Torque, ft-lb

12-Point Box End Heads, inches



QJX12A



QXX52A

Center of fastener to retaining pin:
- **QJX** Series – 2.50"
- **QYX** Series – 3.00"
- **QXX** Series – 4.50"
- **QZX** Series – 5.75"

11	J (0.425")	Y (0.560")	X (0.735")	Z (0.990")	O.D., inches	Head Depth, inches
1/4	QJX8A(18)	–	–	–	13/32	3/16
9/32	QJX9A(41)	–	–	–	13/32	3/16
3/8	QJX12A(60)	–	–	–	9/32	1/4
7/16	QJX14A(60)	–	–	–	21/32	5/16
1/2	QJX16A(60)	QYX16A(75)	–	–	3/4	11/32
9/16	QJX18A(60)	QYX18A(112)	–	–	27/32	3/8
5/8	QJX20A(60)	QYX20A(160)	–	–	15/16	13/32
11/16	QJX22A(60)	QYX22A(160)	–	–	1 1/32	7/16
3/4	QJX24A(60)	QYX24A(160)	QXX24A(219)	–	1 1/8	15/32
13/16	QJX26A(60)	QYX26A(160)	QXX26A(240)	QZX26ADP(275)	1 3/16	17/32
7/8	QJX28A(60)	QYX28A(160)	QXX28A(240)	–	1 9/32	9/16
15/16	QJX30A(60)	QYX30A(160)	QXX30A(240)	–	1 3/8	19/32
1	QJX32A(60)	QYX32A(160)	QXX32A(240)	–	1 15/32	21/32
1 1/16	QJX34A(60)	QYX34A(160)	–	QZX34ADP(300)	1 9/16	11/16
1 1/8	–	QYX36A(160)	QXX36A(240)	QZX36ADP(480)	1 5/8	11/16
1 3/16	–	QYX38A(160)	QXX38A(240)	QZX38ADP(480)	1 3/4	3/4
1 1/4	–	QYX40A(160)	QXX40A(240)	QZX40ADP(480)	1 13/16	3/4
1 5/16	–	QYX42A(160)	QXX42A(240)	QZX42ADP(480	1 29/32	3/4
1 3/8	–	–	QXX44A(240)	QZX44ADP(480)	2	3/4
1 7/16	–	–	QXX46A(240)	QZX46ADP(480)	2 1/16	7/8
1 1/2	–	QYX48A(160)	QXX48A(240)	QZX48ADP(480)	2 5/32	7/8
1 9/16	–	–	QXX50A(240)	QZX50ADP(480)	2 1/4	7/8
1 5/8	–	QYX52A(160)	QXX52A(240)	QZX52ADP(480)	2 11/32	7/8
1 11/16	–	–	–	QZX54ADP(480)	2 7/16	7/8
1-3/4	–	–	QXX56A(240)	QZX56ADP(480)	2 17/32	1 1/32
1 13/16	–	–	QXX58A(240)	QZX58ADP(480)	2 5/8	1 1/32
1 7/8	–	–	QXX60A(240)	QZX60ADP(480)	2 11/32	1 1/32
2	–	–	QXX64A(240)	QZX64ADP(480)	2 7/8	1 1/32
2 1/16	–	–	–	QZX66ADP(480)	2 21/32	1 3/16
2 1/8	–	–	–	QZX68ADP(480)	3 1/16	1 3/16
2 1/4	–	–	–	QZX72ADP(480)	3 7/32	1 3/16
2 1/2	–	–	–	QZX80ADP(480)	3 19/32	1 5/16

Value in parentheses is the Maximum Recommended Working Torque, ft-lb

Box End Heads, 0° Offset, 12-Point, inches

	Stock No.	Shank Diameter	Maximum Working Torque, ft-lb
3/8	QJXD12A	J (0.425")	60
7/16	QJXD14A	J (0.425")	60
1/2	QJXD16A	J (0.425")	60
9/16	QJXD18A	J (0.425")	60
11/16	QJXD22A	J (0.425")	60
3/4	QJXD24A	J (0.425")	60
7/8	QJXD28A	J (0.425")	60
15/16	QJXD30A	J (0.425")	60
1	QJXD32A	J (0.425")	60
5/8	QYXD20A	Y (0.560")	160
11/16	QYXD22A	Y (0.560")	160
3/4	QYXD24A	Y (0.560")	160
15/16	QYXD30A	Y (0.560")	160

Value in parentheses is the Maximum Recommended Working Torque, ft-lb

Center of fastener to retaining pin:
- **QJXD** Series – 2.50"
- **QYXD** Series – 3.00"

Box End Heads, 10° Offset, 12-Point, mm

mm	Stock No.	Shank Diameter	Maximum Working Torque, ft-lb
11	QJXBM11A	J (0.425")	59
12	QJXBM12A	J (0.425")	60
13	QJXBM13A	J (0.425")	60
14	QJXBM14A	J (0.425")	60
16	QJXBM16A	J (0.425")	60
18	QJXBM18A	J (0.425")	60
19	QJXBM19A	J (0.425")	60
18	QYXBM18A	Y (0.560")	160
24	QYXBM24A	Y (0.560")	160

Value in parentheses is the Maximum Recommended Working Torque, ft-lb

Center of fastener to retaining pin:
- **QJXBM** Series – 2.50"
- **QYXBM** Series – 3.00"

Box End Heads, 10° Offset, 12-Point, inches

	Stock No.	Shank Diameter	Maximum Working Torque, ft-lb
1/2	QJXB16A	J (0.425")	60
9/16	QJXB18A	J (0.425")	60
5/8	QJXB20A	J (0.425")	60
11/16	QJXB22A	J (0.425")	60
3/4	QJXB24A	J (0.425")	60
5/8	QYXB20A	Y (0.560")	79
3/4	QYXB24A	Y (0.560")	160
7/8	QYXB28A	Y (0.560")	160
15/16	QYXB30A	Y (0.560")	160
1	QYXB32A	Y (0.560")	160
1 1/8	QYXB36A	Y (0.560")	160
1 3/8	QXXB44A	X (0.735")	240
1 1/2	QXXB48A	X (0.735")	240

Value in parentheses is the Maximum Recommended Working Torque, ft-lb

Center of fastener to retaining pin:
- **QJXB** Series – 2.50"
- **QYXB** Series – 3.00"
- **QXXB** Series – 4.50"

Box End Heads, 40° Bend, 12-Point, mm

mm	Stock No.	Shank Diameter	Center of Fastener to Retaining Pin
18	QYSBXM18A	Y (0.560")	QYSBXM Series – 3.00"
24	QYSBXM24A	Y (0.560")	QYSBXM Series – 3.00"

Value in parentheses is the Maximum Recommended Working Torque, ft-lb



QYSBXM18A

Center of fastener to retaining pin:
- **QYSBXM** Series – 3.00"

⚠WARNING

- Do not exceed rated capacity
- Do not use to break fasteners loose
- Periodic recalibration is necessary to maintain accuracy
- Read safety precautions on pages W1 to W4

INTERCHANGEABLE HEADS



QYOM32A

Thin Open End Heads, inches

Center of fastener to retaining pin:
- **QJO** Series – 2.50"
- **QYO** Series – 3.00"

	Stock No.	Shank Diameter	Maximum Working Torque, ft-lb
11/16	QJO22ARTH60	J (0.425")	60
1	QJO32ARTH	J (0.425")	60
1 1/16	QJO34ARTH	J (0.425")	60
1 1/8	QJO36ARTH	J (0.425")	60
1 3/16	QJO38ARTH	J (0.425")	60
1 1/4	QJO40ARTH	J (0.425")	60
1 3/8	QJO44ARTH	J (0.425")	60
1 1/2	QJO48ARTH	J (0.425")	60
1 9/16	QJO50ARTH	J (0.425")	60
1 5/8	QJO52ARTH	J (0.425")	60
1 3/4	QJO56ARTH	J (0.425")	60
1 7/8	QJO60ARTH	J (0.425")	60
2	QJO64ARTH	J (0.425")	60
2 1/16	QJO66ARTH	J (0.425")	60
2 11/16	QJO86ARTH	J (0.425")	60
1 5/8	QYO52ARTH	Y (0.560")	160
1 3/4	QYO56ARTH	Y (0.560")	160
1 7/8	QYO60ARTH	Y (0.560")	160
2	QYO64ARTH	Y (0.560")	160
2 1/8	QYO68ARTH	Y (0.560")	160
2 1/4	QYO72ARTH	Y (0.560")	160

Open End Heads, mm

Center of fastener to retaining pin:
- **QJOM** Series – 2.50"
- **QYOM** Series – 3.00"
- **QXOM** Series – 4.50"
- **QZOM** Series – 5.75"

mm	J (0.425")	Y (0.560")	X (0.735")	Z (0.990")	O.D., mm	Head Depth, mm
6	QJOM6A*(5)	–	–	–	13.5	3.6
7	QJOM7A*(6)	–	–	–	13.5	3.6
8	QJOM8A*(10)	–	–	–	16.5	3.3
9	QJOM9A(14)	–	–	–	19.8	4.8
10	QJOM10A(22)	–	–	–	19.8	4.8
11	QJOM11A(33)	–	–	–	22.9	5.6
12	QJOM12A(36)	–	–	–	26.9	6.1
13	QJOM13A(41)	–	–	–	26.9	6.1
14	QJOM14A(55)	QYOM14A(55)	–	–	29.5	6.6
15	QJOM15A(60)	QYOM15A(74)	–	–	33.3	6.9
16	QJOM16A(60)	QYOM16A(88)	–	–	33.3	6.9
17	QJOM17A(60)	QYOM17A(103)	QXOM17A(103)	–	37.1	7.3
18	QJOM18A(60)	QYOM18A (115)	QXOM18A(115)	–	37.1	7.3
19	QJOM19A(60)	QYOM19A(138)	QXOM19A(138)	–	40.4	7.6
20	QJOM20A(60)	QYOM20A(160)	QXOM20A(160)	–	43.7	9.2
21	QJOM21A(60)	QYOM21A(160)	QXOM21A(180)	–	43.7	9.2
22	QJOM22A(60)	QYOM22A(160)	QXOM22A(206)	–	43.7	9.2
23	QJOM23A(60)	QYOM23A(160)	QXOM23A(229)	–	47	10
24	QJOM24A(60)	QYOM24A(160)	QXOM24A(240)	QZOM24ADP(250)	49	11
25	QJOM25A(60)	QYOM25A(160)	QXOM25A(240)	QZOM25ADP(275)	52	11
26	QJOM26A(60)	QYOM26A(160)	QXOM26A(240)	QZOM26ADP(298)	53	11
27	QJOM27A(60)	QYOM27A(160)	QXOM27A(240)	QZOM27ADP(319)	55	12
29	QJOM29A(60)	QYOM29A(160)	QXOM29A(240)	QZOM29ADP(379)	58	12
30	QJOM30(60)	QYOM30A(160)	QXOM30A(240)	QZOM30ADP(413)	61	13
32	QJOM32(60)	QYOM32A(160)	QXOM32A(240)	QZOM32ADP(480)	65	14
34	–	QYOM34A(160)	QXOM34A(240)	QZOM34ADP(480)	68	14
36	QJOM36A(60)	QYOM36A(160)	QXOM36A(240)	QZOM36ADP(480)	74	15
41	–	QYOM41(160)	QXOM41A(240)	QZOM41ADP(480)	83	17
46	–	–	QXOM46 (240)	QZOM46ADP(480)	93	19
50	–	–	QXOM55A(240)	QZOM50ADP(480)	102	20
	–	–	–	QZOM55ADP(480)	115.1	3.6
60	–	–	–	QZOM60ADP(480)	125	27
	–	–	–	QZOM65ADP(480)	128.3	25.9
70	–	–	–	QZOM70ADP(480)	168	31

Value in parentheses is the Maximum Recommended Working Torque, ft-lb
*Use with QC1P100 and QC1I200 Torque bodies only; other heads may be used with all listed torque bodies.

Open End Heads, inches

	J (0.425")	Y (0.560")	X (0.735")	Z (0.990")	O.D., inches	Head Depth, inches
1/4	QJO8A*(5)	–	–	–	17/32	9/64
5/16	QJO10A(9)	–	–	–	21/32	11/64
3/8	QJO12A(18)	–	–	–	25/32	11/64
7/16	QJO14A(26)	–	–	–	29/32	11/64
1/2	QJO16A(34)	QYO16A(58)	–	–	1 1/16	11/64
9/16	QJO18A(58)	QYO18A(58)	–	–	1 1/16	9/32
5/8	QJO20A(60)	QYO20A(70)	–	–	1 5/16	9/32
11/16	QJO22A(60)	QYO22A(99)	–	–	1 7/16	5/16
3/4	QJO24A(60)	QYO24A(125)	QXO24A(125)	–	1 19/32	11/32
13/16	QJO26A(60)	QYO26A(160)	QXO26A(164)	–	1 23/32	3/8
7/8	QJO28A(60)	QYO28A(160)	–	–	1 23/32	3/8
15/16	QJO30A(60)	QYO30A(160)	QXO30A(200)	–	1 29/32	13/32
1	QJO32A(60)	QYO32A(160)	QXO32A(240)	QZO32ADP(298)	2 1/32	7/16
1 1/16	QJO34A(60)	QYO34A(160)	QXO34A(240)	QZO34ADP(480)	2 3/16	15/32
1 1/8	QJO36A(60)	QYO36A(160)	QXO36A(240)	QZO36ADP(367)	2 5/16	15/32
1 3/16	–	QYO38A(160)	QXO38A(240)	QZO38ADP(433)	2 7/16	1/2
1 1/4	QJO40A(60)	QYO40A(160)	QXO40A(240)	QZO40ADP(480)	2 9/16	17/32
1 5/16	–	QYO42A(160)	QXO42A(240)	QZO42ADP(480)	2 21/32	9/16
1 3/8	QJO44A(60)	QYO44A(160)	QXO44A(240)	QZO44ADP(480)	2 3/16	19/32
1 7/16	–	QYO46A(160)	QXO46A(240)	QZO46ADP(480)	3	19/32
1 1/2	QJO48A(60)	QYO48A(160)	QXO48A(240)	QZO48ADP(480)	3 1/16	5/8
1 9/16		QYO50A(160)	QXO50A(240)	QZO50ADP(480)	3 3/16	21/32
1 5/8	QJO52A(60)	QYO52A(160)	QXO52A(240)	QZO52ADP(480)	3 11/32	11/16
1 11/16	–	–	QXO54A(240)	QZO54ADP(480)	3 13/32	23/32
1 3/4	–	QYO56A(240)	QXO56A(240)	QZO56ADP(480)	3 9/16	23/32
1 13/16	–	–	QXO58A(240)	QZO58ADP(480)	3 21/32	13/32
1 7/8	–	QYO60A(240)	QXO60A(240)	QZO60ADP(480)	3 13/16	25/32
2	–	–	QXO64A(240)	QZO64ADP(480)	4 1/16	27/32
2 1/16	–	–	QXO66A(240)	QZO66ADP(480)	4 3/16	27/32
2 1/8	–	–	–	QZO68ADP(480)	4 5/16	5/8
2 1/4	–	QYO72(240)	–	QZO72ADP(480)	4 9/16	15/16
2 3/8	–	–	–	QZO76ADP(480)	4 1/2	3/4
2 1/2	–	–	–	QZO80ADP(480)	5 1/16	1
2 5/8	–	QYO84(240)	–	–	4 1/2	3/4
2 7/8	–	QYO92(240)	–	–	5 31/32	5/8

Value in parentheses is the Maximum Recommended Working Torque, ft-lb
*Use with QC1P100 and QC1I200 Torque Bodies only; other heads may be used with all listed torque bodies.



QJO28A

Center of fastener to retaining pin:
- **QJO** Series – 2.50"
- **QYO** Series – 3.00"
- **QXO** Series – 4.50"
- **QZO** Series – 5.75"

Ratcheting Flare Nut Head, 12-Point, mm

Size, mm	Stock No.	Shank Diameter
16	RTWHM16J	J (0.425")

Ratcheting Flare Nut Heads, 12-Point, inches

Size, inches	Stock No.	Shank Diameter
9/16	RTWH36J	J (0.425")
5/8	RTWH40J	J (0.425")
11/16	RTWH44J	J (0.425")
13/16	RTWH52J	J (0.425")
3/4	RTWH48Y	Y (0.560")
7/8	RTWH56Y	Y (0.560")
15/16	RTWH60Y	Y (0.560")
1	RTWH64Y	Y (0.560")
1 1/8	RTWH72Y	Y (0.560")
1 1/4	RTWH80Y	Y (0.560")
1 3/8	RTWH88Y	Y (0.560")
1 5/8	RTWH104Y	Y (0.560")
1 7/8	RTWH120Y	Y (0.560")
1 1/2	RTWH96X	X (0.735")



RTWH60Y

Center of fastener to retaining pin:
- **RTWHM** "J" Series – 2.50"
- **RTWH** "J" Series – 2.50"
- **RTWH** "Y" Series – 3.00"
- **RTWH** "X" Series – 4.50"

Adaptor

QZD32A-1 Z Shank to 1" square drive adaptor

⚠WARNING

- Do not exceed rated capacity
- Do not use to break fasteners loose
- Periodic recalibration is necessary to maintain accuracy
- Read safety precautions on pages W1 to W4

INTERCHANGEABLE HEADS

Flare Nut Heads, 6-Point, mm

mm J (0.425")	Shank Dia. J (0.425")	Shank Dia. Y (0.560")	O.D., mm	Head Depth, mm
10	QJRXSM10A(33)	–	20	8
11	QJRXSM11A(42)	–	21	9
12	QJRXSM12A(50)	–	22	9
13	QJRXSM13A(58)	–	24	9
14	QJRXSM14A(60)	–	25	10
16	–	QYRXSM16A(75)	27	11
17	QJRXSM17A(60)	QYRXSM17A(83)	29	11
18	QJRXSM18A(60)	QYRXSM18A(94)	30	12
19	QJRXSM19A(60)	QYRXSM19A(104)	32	12
20	–	QYRXSM20A(113)	33	13

Value in parentheses is the Maximum Recommended Torque, ft-lb

Flare Nut Heads, 6-Point, inches

J (0.425")	Shank Dia. J (0.425")	Shank Dia. Y (0.560")	O.D., inches	Head Depth, inches
7/16	QJRXS14A(42)	–	27/32	11/32
5/8	QJRXS20A(60)	QYRXS20A(74)	1 3/32	7/16
11/16	QJRXS22A(60)	QYRXS22A(92)	1 5/32	15/32
3/4	QJRXS24A(60)	QYRXS24A(104)	1 1/4	1/2
13/16	QJRXS26A(60)	QYRXS26A(117)	1 5/16	7/32
7/8	QJRXS28A(60)	QYRXS28A(133)	1 13/32	9/16
15/16	QJRXS30A(75)	QYRXS30A(146)	1 1/2	19/32
1	QJRXS32A(75)	QYRXS32A(158)	1 9/16	5/8
1 1/8	–	QYRXS36A(160)	1 3/4	11/16

Value in parentheses is the Maximum Recommended Working Torque, ft-lb



QYRX18A

Center of fastener to retaining pin:

- **QJRXSM** Series – 2.50"
- **QYRXSM** Series – 3.00"
- **QJRXS** Series – 2.50"
- **QYRXS** Series – 3.00"
- **QYRX** Series – 3.00"

Flare Nut Heads, 12-Point, inches

J (0.425")	Shank Dia. Y (0.560")	O.D., inches	Head Depth, inches
9/16	QYRX18A(67)	1	13/32
5/8	QYRX20A(79)	1 3/32	7/16
3/4	QYRX24A(104)	1 1/4	1/2
13/16	QYRX26A(117)	1 11/32	17/32
7/8	QYRX28A(133)	1 13/32	9/16
15/16	QYRX30A(146)	1 1/2	19/32
1	QYRX32A(158)	1 19/32	21/32
1 1/16	QYRX34A(160)	1 21/32	11/16
1 1/8	QYRX36A(160)	1 3/4	23/32
1 3/16	QYRX38A(160)	1 7/16	3/4
1 1/4	QYRX40A(160)	1 29/32	25/32

Value in parentheses is the Maximum Recommended Torque, ft-lb

GEARED HEAD MULTIPLIERS



YA391



YA394

Geared Head Multipliers

- Some models feature a replacement square drive to protect components by automatically shearing when rated output is exceeded by 3%–10%
- All models include an input/output conversion chart in ft-lb and N•m
- To determine correct input torque, divide desired output torque by the "Torque Ratio" listed in the chart

	YA290PLUS	YA300	YA391	YA292	YA392	YA393	YA394	YA395
Reaction Type	Bar	Bar	Bar	Bar	Bar	Bar	Plate	Plate
Output Capacity, ft-lb	750	1,000	1,200	2,000	2,200	3,200	5,000	8,000
Input Capacity, ft-lb	227	333	200	500	162	173	189	154
Gear Ratio	4:1	4.0:1	6.33:1	4.27:1	15.0:1	20.25:1	29.25:1	60.0:1
Torque Ratio	3:1	3.1:1*	6.0:1*	3.75:1*	13.6:1*	18.5:1*	26.5:1*	52.0:1*
Reductions	1	1	1	1	2	3	2	3
Input Drive Female Square, inches	1/2	1/2	1/2	3/4	1/2	1/2	1/2	1/2
Output Drive Male Square, inches	3/4	3/4	3/4	1	1	1	1 1/2	1 1/2
Bearings	—	—	Needle	—	Needle	Needle	Needle	Needle
Length, inches	8.75	17.06	19.56	19.5	19.6	19.6	14.88	15.22
Width, inches	2.75	2.81	4	4.5	4.06	4.06	5.63	5.81
Height, inches	3.25	3.25	3.94	3.75	5.75	6.54	8.75	10.75
Storage Case	Yes	—	Yes	—	Yes	Yes	**	**
Angle Protractor	—	—	Yes	—	Yes	Yes	—	—
Anti-Backlash	—	—	—	—	Yes	Yes	Yes	Yes
Replacement Square Drive	–	–	YA391RK	–	YA392RK	YA393RK	YA394RK	YA395RK

*Accuracy of Torque Ratio is ±5%. **Includes drawstring bag for storage and protection.
Handle or other anchor plate serves as a "reaction bar" and must be placed against a strong fixed object.

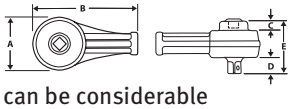
GEARED HEAD MULTIPLIERS

YA390 Reversible Air Motor
- Provides up to 200 ft-lb of input power for each of the YA Series Gear Multipliers
- Output drive: 1/2"
- Maximum operating air pressure: 60 PSIG
- Free speed: 70 RPM, Dimensions: 16 1/4" x 3 1/8" x 4 3/4"



YA390

Geared Head Multipliers X4 Models



- Use individually or stack up to three X4 models
- Stacking multiplies torque ratios; resulting torque can be considerable
- Only the torque ratio changes; total capacity is equal to and does not exceed the capacity of the largest wrench in the stack

	GA184A	GA185	GA190
Reaction Type	Bar	Bar	Bar
Output Capacity, ft-lb	1,000	2,000	2,000
Input Capacity, ft-lb	294	588	588
Gear Ratio	4.0:1	4.0:1	4.0:1
Torque Ratio	3.4:1*	3.4:1*	3.4:1*
Reductions	1	—	1
Input Drive Female Square, inches	1/2	3/4	3/4
Output Drive Male Square, inches	3/4	1	1
Dimension A, O.D., inches	3 1/2	3 3/4	3 3/4
Dimension B, Length, inches	6 5/8	6 5/8	6 5/8
Dimension C, Head Height, inches	1/2	3/4	1 1/2
Dimension D, Drive End Height, inches	3/4	1	1
Dimension E, Overall Height, inches	3 11/32	4 3/8	5
Overall Length, inches	22	25	25
Anti-Backlash	—	—	Yes



GA184A



GA190

*Accuracy of Torque Ratio is ±10%.
Handle or other anchor plate serves as a "reaction bar" and must be placed against a strong fixed object.

ELECTRONIC TORQUE WRENCHES

Electronic Dial Type Torque Wrenches



ED2600

- Intended for worldwide automotive, nuclear, military and industrial markets
- Digital accuracy is ±1% from 20%–100% of full scale in CW and CCW
- Three-step LED visual signal system: Over torque alarm (Red), Approaching target warning signal when getting close (Yellow at 90% of target), and target achieved signal when desired torque is obtained (Green)
- Secondary audible alarm goes off when desired torque is reached
- Large storage capacity available: memory stores up to 4,000 torque values
- Downloading capability: individual torque values and store values in memory may be directly downloaded to a printer or data logger via an RS-232 connection
- Selectable modes of operation: "peak hold" and "track" modes of operation are standard
- Range: available from 5 in-lb–600 ft-lb engineering units can be selected through the keypad (in-oz, in-lb, ft-lb, N•m, dN•m, kg-m and kg-cm)
- Accuracy: ±1% from 10%–100% of scale
- Quality Construction: proven industrial quality
- 9V alkaline battery included

Features:
- Display can be turned 180° to allow left hand usage
- Four units of measurement on the same torque wrench: in-lb, ft-lb, N•m, kg-cm
- Large 2" easy-to-read single scale eliminates confusion on conversion scales
- Tough polycarbonate body ensures durability
- Comfort cushion grip reduces strain for prolonged use
- Rubber boot protects work piece
- Composite and steel body beam provides years of accurate service
- Includes storage case
- 9V battery with long life and easy replacement, 80 hours
- Battery cover designed to be FOD proof

Stock No.	Square Drive, inches	in-lb	ft-lb	N•m	kg-cm	Length, inches (mm)	Weight, lb (kg)
ED1050*	1/4	10–50	.42–4.17	.56–5.65	5.7–57.61	11.5 (292)	1.25 (.57)
ED2250*	3/8	50–250	2.08–20.83	2.82–28.25	28–288.03	14.5 (368)	1.51 (.68)
ED2600*	3/8	60–600	5–50	6.79–67.79	69–691.27	14.5 (368)	1.51 (.68)

* CE

⚠WARNING

- Do not exceed rated torque
- Do not use torque wrenches to break fasteners loose
- Torque multipliers produce very high reaction force, use caution
- Read safety precautions on pages W1 to W4

TORQUE TESTERS



QC3DTT250

Digital Torque Tester™ (DTT)

The Snap-on® *Digital Torque Tester* is an advanced, highly-accurate tester that can be mounted on a wall or in a bench top vise to allow operator to conveniently test torque wrenches and torque screwdrivers. It features an easy-to-use color touch pad screen to capture peak torque values during a test in real time and download stored torque data to a PC. All DTT torque testers are sold in a kit with the complete tester, AC/DC power supply, USB cable adaptor and carrying case.

- Easy-to-use touch screen
- Testing options: quick check or ASME® style test
- Refresh rate of 1,000 data points per second
- Record and track torque wrench test results by serial number
- Choose your wrench type
- Adds traceability by using wrench serial numbers and technician I.D.
- Color-coded numbers indicate low, good and high torque readings
- Color bar at the top allows the user to see progress relative to the target torque
- Data can be stored for download later on your computer via USB

	QC2DTT250	QC3DTT250
Square Drive, inches	3/8	1/2
Range English	25-250 in-lb	25–250 ft-lb
Range, N•m	2.9-28.2	33.9–338.9
Accuracy	±0.5% of indicated test value from 10%–100% or rated capacity	±0.5% of indicated test value from 10%–100% or rated capacity
Units Of Measure	N•m, kg-cm, ft-lb, in-lb, in-oz	N•m, kg-cm, ft-lb, in-lb, in-oz
Operating Modes	TRACK, PEAK, FIRST PEAK	TRACK, PEAK, FIRST PEAK
Operating Temperature	10 °–32 ºC (50 °–°90 ºF)	10º–32 ºC (50º–90 ºF)
Storage Temperature	-20 °–50 ºC (-2 °–°122 ºF)	-20º–50 ºC (-2º–122 ºF)
Humidity	85% Relative Humidity @ 21 ºC (70 ºF)	85% Relative Humidity @ 21 ºC (70 ºF)
Power Supply	Included 9V AC/DC adaptor, 6 AA batteries included	Included 9V AC/DC adaptor, 6 AA batteries included
Data/Surge/Recall	Memory Capacity – 500 records (complete check mode only)	Memory Capacity – 500 records (complete check mode only)



QC1ETT50

Electronic Torque Tester™

Designed to be a sturdy, low cost tester, these electronic torque testers can be placed on the wall in the factory or on a bench to allow operators to test torque wrenches or power tools without having to leave their station.

- Track and peak modes
- Can be used with non-impacting power tools (joint rate simulators required)
- Dual scale (English/N•m or English/dN•m)
- Reads bidirectional (clockwise and counterclockwise)
- Uses rechargeable Ni-Cad batteries (2 Ni-Cad 9V). Charger included

Stock No.	Square Drive, inches	Range English	Range, N•m
QC1ETT10	1/4	10–100 in-oz	7.0–70.6 cN•m
QC1ETT400	1/4	40–400 in-oz	28–280 cN•m
QC1ETT50	1/4	5–50 in-lb	5.6–56 dN•m
QC1ETT100	1/4	10–100 in-lb	11.3–113 dN•m
QC2ETT250	3/8	25–250 in-lb	28–280 dN•m
QC2ETT1000	3/8	100–1,000 in-lb	113–1,130 dN•m
QC3ETT250	1/2	25–250 ft-lb	34–339 N•m
QC4ETT600	3/4	60–600 ft-lb	81–813 N•m

The certification of accuracy provided per *ASME* and ISO® Standards is 10%–100% of full scale.

All *Snap-on* torque wrenches, drivers and testers are provided with a Certificate of Calibration (unless otherwise indicated). All wrenches and drivers are calibrated per ASME® and ISO® standards for accuracy, from 20–100% of full scale, using NIST® traceable equipment.

VERSATORQ® TORQUE METERING/DATA ACQUISITION SYSTEM

The *Versatorq* system can be used for any job requiring repetitive torque applications or regular inspection of fastener torque. This system can also be used to verify pneumatic and mechanical torque wrench accuracy. Peak torque can be captured by using a rotary sensor with a non-impact power tool operating at less than 1,000 rpm and being driven into a soft joint. Inspectors can check critical fastener torque and record data for quality audits. Perfect for process quality control. The *Versatorq* system can internally perform statistical analysis, including histograms, and print to a serial printer.

- **Versatile** – Battery operated and lightweight, with available ranges from 2–20 in-oz to 150–1,500 ft-lb and seven units of measure: in-oz, in-lb, ft-lb, N•m, d•Nm, kg-m, and kg-cm. The *Versatorq* system can be used with sockets, extensions, universal joints, ratcheting drivers or any of these combined
- **Data Aquisition** – Store and recall up to 3,500 readings. An internal memory backup battery retains setup and last memory data for up to 10 years
- **Track or Peak Mode** – Track mode displays applied torque value and peak mode displays highest torque value
- **Easily Calibrated** – Customer calibration supports ISO® 9000. Instructions for step-by-step calibration provided in the user's manual
- **Smart Sensors** – Built-in EEPROM memory chip stores sensor identification and calibration factors. Factory calibrated, a sensor retains its accuracy with all *Versatorq* meters; just plug in the desired sensor. Periodic recalibration is necessary
- **120VAC/220VAC, 60 Hz Adaptor** – Rechargeable battery and belt clip allow you to take it to the task or use it at the bench with the optional table stand and AC adaptor
- **PC Statistical Analysis Output** – Download histogram, minimum and maximum reading, mean, sigma N, sigma, Cp, Cpk, % error and number of readings under and over tolerance
- **Serial Port Interface with Computer or Printer** – True RS-232 communications port for downloading to computer or serial printer or configurable to MITUTOYO statistical printer protocol
- **Visual and Audio Cues** – Analog bar graph at top of display provides a live indication of applied torque. An OVER warning flag comes on to indicate that maximum sensor range has been exceeded. Green MIN LED indicates lower tolerance has been achieved, and Red MAX LED indicates upper tolerance has been exceeded. Audio alarm produces a distinctive 2 kHz tone. Includes an audio output jack for optional headphones in a noisy environment

Versatorq1® System Specifications

Specification	Description
VERSATORQ1	120V AC Charger and Carrying Case. Basic Torque Acquisition Meter
Display	4-digit with alpha and numeric function flags
Display Capacity*	± 4 digits, 8,000 counts
Accuracy	±1% of Reading (10%–100% of Sensor Range) (± 2% with VERSA1S10 and VERSA1S20 Sensors)
Push-Button Keypad	Min/max alarm, zero tare, setup, units, store/recall/clear, send, statistics, enter
Units Of Measure	in-oz, in-lb, ft-lb, N•m, dN•m, kg-m, kg-cm
Operating Temperature	5°–42°C (40°–110°F)
Storage Temperature	-10°–50°C (-2°–12°F)
Humidity	Up to 90%, non-condensing
Dimensions	3" W, 2.5" H (" with belt clip), 6" D
Weight	1 lb
Charge Life (full charge to shutoff)	20 hours continuous
Battery Charger	120V AC or 220V AC, 50–60 Hz
Data Storage/Recall	3,500 measurements
Battery Charger Output	9V DC, 200mA
Serial Output Port – *VERSATORQ1*	RS-232 (True), 300-19.2K baud, and Mitutoyo (statistical protocol)
Statistical Analysis – *VERSATORQ1*	MAX, MIN, Sigma, Cp, Cpk, % Error, -NoGo, +NoGo
Histogram – *VERSATORQ1*	Lower set limit, upper set limit, 10 divisions

**Versatorq* display ignores torque input less than .5% of full scale in track mode and 2.0% of full scale in peak mode.

Please reference the *Versatorq* instruction manual for the sensor ranges and resolutions in different units of torque measurement.



VERSATORQ1

Versatorq1

Torque Acquisition Meter
Includes VERSACHARGE1 charger and PB57A case.

Sensors sold separately.



VERSA2S100

Versatorq Sensors

Stock No.	Square Drive, inches	Range	Sensor Diameter, inches	Sensor Length, inches	Cable Length, inches
VERSA1S20*	1/4	2–20 in-oz	.5	2.9	48
VERSA1S10*	1/4	1–10 in-lb	.7	2.9	48
VERSA1S50	1/4	5–50 in-lb	.9	2.1	48
VERSA1S200	1/4	20–200 in-lb	.9	2.1	48
VERSA2S100	3/8	10–100 ft-lb	1.2	2.4	48
VERSA3S250	1/2	25–250 ft-lb	1.4	2.6	48
VERSA4S600	3/4	60–600 ft-lb	2.0	3.9	96
VERSA5S1500**	1	150–1,500 ft-lb	2.4**	4.4	92***

*Knurled handles allow for fingertip control.
**Diameter does not include side mounted connector.
***Heavy duty coiled cord with four-pin MS style connector.

Versatorq System Accessories

Stock No.	Description
VERSACHARGE1	Power Pack, 120VAC to 9VDC
VERSACABLE2	PC Interface Cable
PB57A	Carrying Case

⚠WARNING

- Do not exceed rated torque
- Do not use to break fasteners loose
- Periodic recalibration is necessary to maintain accuracy
- Read safety precautions on pages W1 to W4

VERSATEST™ ELECTRONIC TORQUE TESTER & CALIBRATOR



VERSATEST600

The *Versatest* Indicator is a laboratory grade instrument used for precise, in-house torque wrench testing and calibration. High precision torque transducers provide system readings with an accuracy of ± 0.25% of indicated value. Transducers are available in ranges from 15–200 in-oz to 200–2,000 ft-lb and feature a special built-in memory chip that identifies the range and maintains the calibration between all *Versatest* Indicators. Setup and calibration programming is entered via front panel membrane keys. The *Versatest* can store and recall up to 3,000 different torque/force readings. Statistical analysis stored in memory can be downloaded to a computer or serial printer. A hard wired lithium battery keeps the internal memory and the date/time clock operating for up to ten years.

Features:

- Automatic downloading
- RS232C serial port – use with printer or PC
- Data storage/recall (with date/time stamp) holds up to 3,000 measurements
- Real-time clock
- Smart transducers
- Analog output: connect to oscilloscope or X-Y plotter
- External printer can be mounted on top of the *Versatest* unit
- Remote foot switch interface for send/print functions
- Four modes: TRACK, PEAK HOLD, FIRST PEAK, POWER TOOL
- Statistic Process Control (SPC) built in

Versatest Specifications

Specifications	*VERSATEST*
Display	Large 5.5" x 1.5" backlighted LCD graphics display (240 x 64 dot matrix, 0.67" torque digits character height)
Capacity	5 significant digits +/- 32,000 counts (16 bit A/D)
Sample Rate	2,000 samples per second
Display Rate	5 updates per second
Accuracy	± 0.25% of reading AT 25 °C (with TTC Transducer calibration)
Temperature Drift	+ 0.03% / °C (+0.017% / °F)
Bar Graph	100 segment analog of applied torque scaled to Limits Set value
Units Of Measure	in-oz, in-lb, ft-lb, N•m, dN•m, kg-cm and kg-m
Modes	Track, peak hold, first peak, power tool
Soft Key User Interface	Units, Calibration, Date/Time, Statistics, Hi/Low Limits Set, Data Store, Data Recall, Printer Setup, Zero, Auto/Manual Store/Send/Clear
Select Keys	Increment, Decrement, Shift Left, Shift Right, Enter
Operating Temperature	10 °–32 °C (50 °–90 °F)
Storage Temperature	-20 °–50 °C (-2 °–122 °F)
Humidity	85% Relative Humidity @ 21 °C (70 °F)
Dimensions	10" wide x 4" high x 10.5" deep (including carry handle)
Power Supply	Auto Switching 100VAC-24-VAC, 50/60 Hz, 50 watts
Data Storage/Recall	3,000 Measurements
Statistical Analysis	Max, Min, Range, Mean, Sigma N, Sigma, Cp, Cpk, % Error, -NoGo, +NoGo
Histogram	Lower Set Limit, Upper Set Limit, 10 Divisions
Printer/Computer Serial Output Port	RS232 (True), 300-19.2K Baud
Computer Serial Com Port	RS232 (True), 300-19.2K Baud
Analog Output	+(CW)/-(CCW) 1.8V at Transducer Full Range Linearity, ±1% of reading
Loader Control Relays	Two, Normally Open, Form A, Rated 12V DC @ 1/2A close contact at 110% CW or CCW or torque/force transducer range

Refer to Transducer Chart on p.298 for additional information.

VERSATEST600 Electronic Torque Metering System
Provides high speed monitoring of static and dynamic torque inputs. Includes the VERSATEST600 Electronic Torque Calibration System indicator, VERSA600LDR2 loader, TTC12 transducer, TTC400 four-in-one transducer and TTC5000-1 four-in-one adaptor plate.

ELECTRONIC TORQUE TESTER AND CALIBRATOR

- Automatic sensor recognition with TTC series "Smart" transducers
- Range: 15 in-oz to 2,000 ft-lb (bidirectional)
- Total uncertainty (10%–100% of range): ± 0.25% of indicated torque value
- Alpha numeric eight-digit display
- Memory to 3,000 values
- Includes low-profile serial printer
- Date and time stamp for stored values
- Statistical analysis performed on stored data
- Programmable manual or automatic options for clear, store and print functions
- Recall and review of stored torque values
- Modes: track, peak, first peak and power tool
- Optional angle encoder
- RS232C port is standard
- Analog output is standard
- Full digital circuitry
- Eight torque measurement units: in-oz, in-lb, ft-lb, cN•m, dN•m, N•m, kg-cm and kg-m
- Automatic lockup for transducer protection
- Automatic zero
- Automatic transducer recognition
- Operates on 120V AC or 240V AC



TTCELCON



TTC2000SYS

TTC2000SYS/TTC2800SYS System Specifications

TTC2000SYS Manual Loader System	**Torque/Force Display**	Eight-digit, alpha-numeric, super bright red LED, 0.55" character height
	Capacity	8 digits ± 32,000 counts (16 bit A/D)
	Accuracy*	± 0.25% of reading at 25 °C (with TTC Transducer calibration)
	Temperature Drift	+ 0.03% / ºC (+ 0.017% / ºF)
	Units Of Measure	Torque: ft-lb, in-lb, in-oz, N•m, dN•m, kg-cm and kg-cm; Force: lbf, ozf, N, dN, kp and gf
	Maximum Range Display	2-line x 16 character 5 x 8 dot-matrix LCD used for MAX. Transducer range, Units, Angle, Calibration, Date/Time, Statistics, Torque/Force or Torque/Angle Limits Set, Data Store/Recall, Printer Setup
	Modes	Track, Peak Hold, Angle, First Peak, Power Tool
	Operating Temperature	10 °–32 °C (50 °–90 °F)
	Storage Temperature	-20 °–50 °C (-2 °–122 °F)
	Humidity	Up to 90%, Non-condensing
	Power Supply	UL® Approved, 120V AC/220VAC, 50/60 Hz
	Data Storage/Recall	3,000 Measurements
	Statistical Analysis	Max, Min, Range, Mean, SigmaN, Sigma, Cp, Cpk, % Error, -NoGo, +NoGo
	Histogram	Lower Set Limit, Upper Set Limit, 10 Divisions
	Printer/Computer Serial Output Port	RS232 (True), 300-19.2K Baud
	Computer Serial Com Port	RS232 (True), 300-19.2K Baud (Optional)
	Analog Output	+(CW)/-(CW) 1.8V at Transducer Full Range Linearity, ±1% of reading
	Loader Control Relays	Two, Normally Open, Form A, Rated 12DVC @ 1/2A close contact at 110% CW or CCW or torque/force transducer range
	Loader Hand Crank	Input torque 8 ft-lb Maximum, Output Torque 2,000 ft-lb Maximum
	Motorized Loader Modes	TTC2000SYS is 110/220 manual switch. TTCC2800SYS is 110V only.
	Motorized Loader Power Supply	120V AC +/- 10% Hz @ 3.14A (including motor current); (optional step-down transformer for 240V AC operation)
TTC2800SYS Motorized Control System	**Motorized Loader Modes**	Manual; Auto Dial; Auto 1st Peak
	Motorized Loader Power Supply	120V AC ± 10% Hz @ 3.14A (including motor current); (optional step-down transformer for 240V AC operation)

System Components

TTC2000SYS Electronic Manual Torque Tester/Calibrator
TTC2000SYS includes TTC2000 Monitor, Mechanical Loader and Cabinet, TTC400 four-in-one Transducer Kit (4 in-lb–250 ft-lb), TTC12 Transducer Kit (60–600 ft-lb), TTC14 Transducer Kit (200–2000 ft-lb), TTC5500-1 Extension Arm, TTC5000-1 four-in-one Transducer Bracket, 2000-SW WedgeLink Software and TTC501 Download Cable.

TTC2800SYS Electronic Motorized Torque Tester/ Calibrator
Model TTC2800SYS includes TTC2800 TTC Monitor, Motorized Loader, and Cabinet, TTC400 four-in-one Transducer Kit (4 in-lb–250 ft lb), TTC5000-1 four-in-one Transducer Bracket, TTC12 Transducer Kit (60–600 ft-lb), TTC14 Transducer Kit (200–2,000 ft-lb), TTC5500-1 Extension Arm, 2000-SW WedgeLink Software, andTTC501 Download Cable.

All Snap-on® torque wrenches, drivers and testers are provided with a Certificate of Calibration (unless otherwise indicated). All wrenches and drivers are calibrated per ASME® and ISO® standards for accuracy, from 20%–100% of full scale, using NIST® traceable equipment.

⚠WARNING

- Do not exceed rated torque
- Periodic recalibration checks are necessary to maintain and assure torque tester accuracy
- Read safety precautions on pages W1 to W4

ELECTRONIC TORQUE TESTER AND CALIBRATOR



TTC8



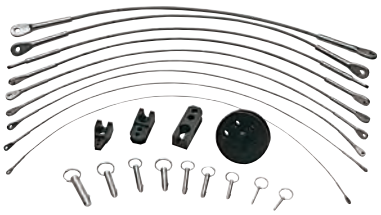
TTC400

Transducers

• All TTC series transducers include the correct adaptor for the indicated torque range

Stock No.	Description	Sq. Drive Size	Range	Bench Top Mounting Bracket
TTC4	Transducer	1/4	5–50 in-oz	TTC3421
TTC5	Transducer	1/4	15–200 in-oz	TTC3421
TTC6	Transducer	1/4	4–50 in-lb	TTC3421
TTC65	Transducer	1/4	15–150 in-lb	TTC3421
TTC7	Transducer	3/8	30–400 in-lb	TTC3421
TTC8	Transducer	3/8	80–1,000 in-lb	TTC3421
TTC10	Transducer	1/2	10–25 ft-lb	TTC3422
TTC11	Transducer	1/2	20–250 ft-lb	TTC3422
TTC12	Transducer	3/4	60–600 ft-lb	TTC3422
TTC13	Transducer	1	100–1,000 ft-lb	TTC15002
TTC14	Transducer	1	200–2,000 ft-lb	TTC15002
TTC400*	4-in-1 Transducer	1/4 3/8 3/8 1/2	4–50 in-lb 30–400 in-lb 80–1,000 in-lb 20/250 ft-lb	– – – –
TTC5000-1**	4-in-1 Adaptor Plate	—	—	–

*TTC400 requires the TTC5000-1 adaptor plate when used with the TTC600 manual loader, TTC800 motorized loader and VERSA600LDR
**Required for TTC400 4-in-1 torque transducer to be used on TTC600/TTC800 loaders



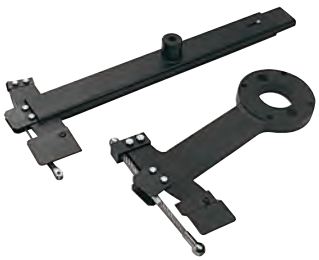
TTC2600



TTC2620



TTC2610



TTC26302

Force Testing Equipment

- Reaction arms, cables, mounting plates and fixtures are available for testing tensiometers plus compression and tension gauges
- The TTC600 and TTC800 loaders and TTC series transducers can be configured to deliver compression and tension loads
- The TTC610/TTC810 indicator also provides measurement, display, storage and statistical analysis for FORCE inputs

Stock No.	Description
TTC2600	Tensiometer Testing Kit
TTC2610	Tension Gauge Testing Kit
TTC2620	Compression Gauge Testing Kit
TTC26302	Force Arm Kit (Only one is needed for any Force Testing Kit)

TTCCALKIT Calibration Kit

- Includes TTC3200 Weight Set (#1), TTC500 2 1/2" Calibration Wheel, TTC1510 5" Calibration Wheel, TTC1520 10" Butterfly Calibration Wheel, 2000-226-3 Adaptor (1/2" x 3/8"), TTC1540 40" Calibration Arm, 390-2-2 4 oz Calibration Weight Tray, TTC301 8 oz Calibration Weight Tray, TTC3040 7.5 lb Calibration Weight Tray, TTC3020 15 lb Calibration Weight Tray, TTC3030 50 lb Calibration Weight Tray and TTC25002 Calibration Stand Kit
- Kit can be used on all TTC Systems

Calibration Wheels/Arms

- Use to calibrate any TTC series transducer. Arms are certified to manufacturer's standards

Stock No.	Description
TTC500	2.5" Calibration Wheel, 1/4" sq. dr.
TTC1510	5" Calibration Wheel, 1/4" sq. dr.
TTC1520	10" Calibration Butterfly, 1/2" sq. dr. (adaptor is optional)
TTC1540	40" Calibration Arm, 1 1/4" sq. dr.

Weight Sets

- Use to calibrate any TTC series transducer. All weights are NIST® (NBS) traceable.

Stock No.	Description
TTC3200	Weight Set #1 (Use for all TTC Series Transducers)
TTC3210	Weight Set #2 (For 200 in-oz to 250 ft-lb TTC Series Transducers)
TTC3220	Weight Set #3 (For 600 ft-lb to 2,000 ft-lb TTC Series Transducers)

Weight Hangers/Trays

- Use to calibrate any TTC series transducer. Weight trays certified as to weight

Stock No.	Description
TTC301	Weight Hanger, 8 oz
TTC3040	Weight Tray, 7.5 lb
TTC3020	Weight Tray, 15 lb
TTC3030	Weight Tray, 50 lb



Joint Rate Simulator Adaptors

- Use with torque tester when testing non-impacting power tools
- Square drive adaptor is placed on top of square drive of the torque tester and tightened with a set screw
- Adaptor bit is inserted into the power tool and mated to the top of the joint adaptor
- By stacking the belleville washers in set patterns, the joint rate adaptor can simulate soft, medium or hard joints

Stock No.	Square Drive, inches	Capacity, in-lb	Adaptor Bit	Load Screw
QC1JRS50	1/4	50	1/4" Hex x 3/16" Hex	1/4" x 28 x 1
QC2JRS400	3/8	400	3/8" Square Internal x 3/8" Hex	7/16" x 20 x 1.5
QC2JRS1000	3/8	1,000	3/8" Square Internal x 1/2" Hex	5/8" x 18 x 1.5



QC2JRS400

⚠WARNING

- Do not exceed rated torque
- Periodic recalibration checks are necessary to maintain and assure torque tester accuracy
- Read safety precautions on pages W1 to W4

TORQUE COMPARATORS



TTC25002

Accessories

Stock No.	Description
TTC3421	Mounting Bracket A
TTC3422	Mounting Bracket B
CDI200015003	Mounting Bracket C
TTC501	Cable, PC
TTC75006	Kit, Torque Screwdriver Testing
260-27	1/4" hex x 1/4" square Female to Female Adaptor
342-40	1/4" square x 1/4" square Female to Female Adaptor
342-41-1S	1/4" square x 3/8" square Female to Female Adaptor
342-41-2	3/8" square x 3/8" square Female to Female Adaptor
65-26-2	1/2" square x 3/8" square Female to Female Adaptor
65-26-3S	1/2" square x 1/2" square Female to Female Adaptor
65-78-1	1/2" square x 3/4" square Female to Female Adaptor
65-78-2	3/4" square x 3/4" square Female to Female Adaptor
75-25-1	1" square x 3/4" square Female to Female Adaptor
75-20	1" square x 1" square Female to Female Adaptor
2000-152-3	1/2" x 3/8" Square Drive Reducer
2000-226-3	3/4" x 1/2" Square Drive Reducer
2000-226-2	1" x 3/4" Square Drive Reducer
2000-0154-18	1 1/4" x 3/4" Square Drive Reducer
TTC501	Connects TTC610 Digital Indicator to PC
TTC25002	Free standing calibration stand with mounting block and hardware for use with TTC2000/TTC2800 Systems and all TTC Series Transducers
TTC75002	Torque Screwdriver Testing Kit
TTC5500-1	Extension Arm (required for wrenches longer than 45")



TCR175



TCR600



QCDTC3250

Torque Comparators

TCR175 Torque Comparator

- Determine if a torque wrench requires calibration to maintain proper application of torque
- 1/2" female square drive input and 175 ft-lb capacity with 5 ft-lb graduations and 230 N•m capacity with 10 N•m increments is a perfect fit for the most popular torque wrenches
- Integrated exercise adaptor makes it easy to break in simple, providing the most accurate results (as per B107-300 standard)
- 2% accurate within ± 2% of the reading from 20% of full scale to full scale clockwise and counterclockwise
- Can check a 3/8" drive torque wrench by using an A2A or GAF2A adaptor

TCR600 Torque Comparator

Similar to TCR175 except for these differences:

- 3/4" female square drive input and 600 ft-lb capacity with 10 ft-lb graduations and 800 N•m capacity with 20 N•m increments
- Compact design with 1/4" steel mounting plate allows for convenient installation in any direction: horizontally on a bench, vertically on a wall, or on any other sturdy, flat surface
- Use on most 3/4" drive torque wrenches including these popular Snap-on® models: ATECH4R600, TECH4R600/TECH4RM600, QD4400/QD4R400, QD4600/QD4R600, TQR400E/TQR600E, TE352A/TE602A series and TEC352A/TEC602A series
- Does not include certificate of calibration

QCDTC3250 Electronic Torque Comparator

- Fast, highly accurate method to check the accuracy of mechanical and electronic 3/8" and 1/2" drive torque wrenches
- Large easy-to-read LCD Display with backlight
- Three measurement units [ft-lb, in-lb, N•m]
- Highly accurate; +/- 1% CW & +/- 1% CCW, 10%–100% of full scale
- Tough composite housing with integrated adaptor storage
- Three primary torque check functions: including Track, Peak Hold, First Peak
- Adjustable auto shutoff feature
- Integrated exercise adaptor on mounting plate (allows user to break-in for accurate results per B107-300 standard)
- Use (three) "AA" alkaline batteries (Optional AC adaptor DTS8269)
- Includes 3/8" adaptor (GAF2A)
- CE Approved

Specifications:

- Accuracy: +/- 1% CW & +/- 1% CCW, 10%–100% of full scale) @ 72 °F (22 °C)
- Size: ½" Female Square Drive (and 3/8" Drive with included GAF2A adaptor)
- Range: 25 ft-lb to 250 ft-lb (34–339 Nm)
- Dimensions: 13.2" L, 4.75" W, 2.2" D
- Weight: 4.9 lb (2.22 kg)
- Operating/Storage Temperature: 0 °F – 130 °F
- Measurement Drift: Torque +0.01% of reading per °C
- Humidity: Up to 90% non-condensing
- LCD: Dot matrix (192 x 65 resolution); 3.3"L x 1.25"H viewing area

Pneumatic Torque Wrenches

- Control torque to ± 5% accuracy by controlling input air pressure
- Dual-speed gearbox
- High-speed rundown gear up to greater than 100 rpm for fast rundown of nuts along the stud
- Low-speed torque gear: much slower rpm ensures controlled and accurate torque
- Safety paddle requires two-handed operation of the wrench to keep both hands away from pinch points near the reaction arm
- Low vibration eliminates injury caused by repetitive use of impacting wrenches
- Continuous drive exhibits lower decibels than competitors pneumatic torque wrenches or impact wrenches
- Ideal for oil fields, construction, ship yards, power generation, railroads, maintenance, mining equipment maintenance and more
- Use with Snap-on® filter regulator PTQFRL

Stock No.	Drive Size, inches	Torque Range, ft-lb (N•m)
PTQ0.5	3/4	195–500 (264–678)
PTQ1	3/4	320–1,285 (434–1,742)
PTQ3	1	915–3,305 (1,240–4,481)
PTQ8	1 1/2	1,300–8,500 (1,763–11,524)


PTQ0.5


PTQ1


PTQ3


PTQ8

Pneumatic Reaction Arm Kits

- Variety of reaction arms for any application

Pneumatic Torque Wrench Stock No.	Reaction Arm Stock No.	Reaction Arm Description	Reaction Arm Length, inches	Reaction Arm Offset, inches
PTQ0.5 PTQ1	PTQ1-03S	Short Arm Included with Wrenches	4.48	2.40
	PTQ1-03R	Rotatable Arm	6.27	2.13
	PTQ1-ALC7	ALCO Arm	7.00	No Offset
	PTQ1-03L	Long Arm	6.02	2.44
	PTQ1CN612812	Twin Tool Arm	6.75–8.75 Adj.	No Offset
	PTQ1-EXTRF12	12" Wheel Gun Extension and Reaction Fixture	2.41–4.59 Adj. 12.68*	No Offset
PTQ3	PTQ3-03S	Short Arm Included with Wrench	3.3	5.26
	PTQ3-03R	Rotatable Arm	8.2	3.05
	PTQ3-ALC9	ALCO Arm	9.00	No Offset
	PTQ3-03L	Long Arm	7.65	3.3
	PTQ3-CN65825	Twin Tool Arm	6.5–8.25 Adj.	3.25
PTQ8	PTQ8-03	Short Arm Included with Wrench	10.68	4.55
	PTQ8-03R	Rotatable Arm	10.8	4.1
	PTQ8-ALC11	ALCO Arm	11.00	No Offset
	PTQ8-FROG	Frog Nut Tool	8.23	—

*Tool length

PTQFRL Filter/Regulator Unit

- Combination Filter-Regulator-Lubrication (FRL) unit gives you complete control over your pneumatic supply
- Unit includes the hoses, lubrication, couplings and gauges necessary to operate the torque wrench for safe, long-lasting performance


PTQFRL

⚠WARNING

- Do not exceed rated capacity
- Periodic calibration checks are necessary to maintain and assure torque tester accuracy
- Read safety precautions on pages W1 to W4

A POWERFUL SPIN ON SUPERIOR PERFORMANCE.

Comfort, power and versatility are built into each Snap-on® Instinct screwdriver. Even the most basic tools should still be the best. And our selection is superior as well: with lengths, thicknesses, tip types, finishes and handle sizes and styles to meet any job.

Multi-faceted Design — Unique handle geometry provides excellent gripping surface and superior turning force.

Inner Core — Maximizes torque between the handle and the blade.

Middle Layer — Tough, brightly-colored material provides impact and solvent resistance.

Outer Layer — Textured material gives you grip, comfort and torque – even in the greasiest shop environments.

Hard or Soft Grip Handle Design — Choose from an ultra-comfortable soft grip or a grease-resistant hard grip.

Shanks — Round shanks are made from special alloy steel with few impurities for strength and lasting durability.

Seven Tip Types — *Snap-on* screwdrivers are available in seven different tip profiles to handle a wide variety of fastener types.

FORMED FOR BETTER FUNCTION.

Built with exclusive features that provide superior durability and performance, it only takes one turn to know it's a *Snap-on* screwdriver.



Standard Flat Tip/Phillips® Combination Screwdriver Sets

	Stock No.	Handle	Set Contains: SGDX80BR	SGDX80BO	SGDX80BG	SGDX60BR	SGDX60BO	SGDX60BG
			Red	Orange	Green	Red	Orange	Green
Flat Tip Standard	SHD1*	Hard	•	•	•			
	SGD2B	Soft	•	•	•	•	•	•
	SGD4B	Soft	•	•	•	•	•	•
	SGD6B	Soft	•	•	•	•	•	•
	SGD8B	Soft	•	•	•			
Phillips Standard	SHDP22IR*	Hard	•	•	•			
	SGDP31IRB	Soft	•	•	•	•	•	•
	SGDP42IRB	Soft	•	•	•	•	•	•
	SGDP63IRB	Soft				•	•	•

*Does not include hex bolster.

Soft Grip Handle Colors

Red	Orange	Green
R	O	G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS



SGDX80BR



SGDX60BO

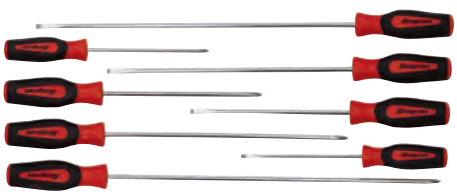
Cabinet, Mini Tip, Extra Long Flat Tip/*Phillips* Screwdriver Sets

	Stock No.	Set Contains: SGDXL80BR	SGDXL80BO	SGDXL80BG	SGDX40BR	SGDX40BO	SGDX40BG	SGDXXL20BR	SGDXXL20BO	SGDXXL20BG
		Red	Orange	Green	Red	Orange	Green	Red	Orange	Green
Flat Tip Cabinet	SGD146B	•	•	•						
	SGD480B	•	•	•						
	SGD4120B	•	•	•						
	SGD4160B	•	•	•						
Phillips Cabinet	SGDP61B	•	•	•						
	SGDP82B	•	•	•						
	SGDP122B	•	•	•						
	SGDP162B	•	•	•						
Flat Tip Mini-Tip	SGD304B				•	•	•			
	SGD306B				•	•	•			
Phillips Mini-Tip	SGDP300B				•	•	•			
	SGDP301B				•	•	•			
Extra Long	SGD424B							•	•	•
	SGDP242B							•	•	•

Soft Grip Handle Colors

Red	Orange	Green
R	O	G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS



SGDXL80BR



SGDX40BG



SGDXXL20BO

⚠WARNING

- Do not use screwdrivers as pry bars, chisels or punches
- Read safety precautions on pages W1 to W4

HARD GRIP HANDLE COMBINATION SETS INSTINCT®



SHDX80R



SHDX60O



GSHDX80R



SHDXL80O



SHDX40G

Standard Length Flat Tip/Phillips® Combination Screwdriver Sets

Set Contains:		SHDX80R	SHDX80O	SHDX80G	SHDX60R	SHDX60O	SHDX60G
	Stock No.	Red	Orange	Green	Red	Orange	Green
Flat Tip Standard	SHD1*	•	•	•			
	SHD2	•	•	•	•	•	•
	SHD4	•	•	•	•	•	•
	SHD6	•	•	•	•	•	•
	SHD8	•	•	•			
Phillips Standard	SHDP22IR*	•	•	•			
	SHDP31IR	•	•	•	•	•	•
	SHDP42IR	•	•	•	•	•	•
	SHDP63IR				•	•	•

*Does not include hex bolster.

Hard Grip Handle Colors

Red	Orange	Green
R	O	G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Industrial Finish Shank, Cabinet and Mini Tip Flat Tip/*Phillips* Screwdriver Sets

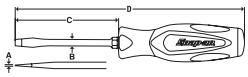
Set Contains:		GSHDX80R	SHDXL80O	SHDX40R	SHDX40O	SHDX40G
	Stock No.	Red	Orange	Red	Orange	Green
Flat Tip Industrial Finish Shank	GSHD1*	•				
	GSHD2	•				
	GSHD4	•				
	GSHD6	•				
	GSHD8	•				
Phillips Tip Industrial Finish Shank	GSHDP22IR*	•				
	GSHDP31	•				
	GSHDP42	•				
Flat Tip Cabinet	SHD146		•			
	SHD480		•			
	SHD4120		•			
	SHD4160		•			
Phillips Tip Cabinet	SHDP61		•			
	SHDP82		•			
	SHDP122		•			
	SHDP162		•			
Flat Tip Mini Tip	SHD304			•	•	•
	SHD306			•	•	•
Phillips Tip Mini Tip	SHDP300			•	•	•
	SHDP301			•	•	•

*Does not include hex bolster.

Hard Grip Handle Colors

Red	Orange	Green
R	O	G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS





SGD2BR

— Standard

Red	Orange	Green	A	B	C	D
SGD2BR	SGD2BO	SGD2BG	.035	7/32	2 13/16	6 15/16
SGD4BR	SGD4BO	SGD4BG	.040	1/4	3 15/16	8 27/32
SGD6BR	SGD6BO	SGD6BG	.050	5/16	5 15/16	10 27/32
SGD8BR	SGD8BO	SGD8BG	.055	3/8	7 29/32	13 13/32
SGD10BR	SGD10BO	SGD10BG	.055	3/8	10	15 7/16

SGDS50BR Flat Tip Screwdriver Set
Includes SGD2BR, SGD4BR and SGD6BR Flat Tip Screwdrivers plus SGD304BR and SGD306BR Miniature Flat Tip Screwdrivers (5-piece)

SGDS50BG Flat Tip Screwdriver Set
Includes SGD2BG, SGD4BG and SGD6BG Flat Tip Screwdrivers plus SGD304BG and SGD306BG Miniature Flat Tip Screwdrivers (five-piece)

SGDS50BO Flat Tip Screwdriver Set
Includes SGD2BO, SGD4BO and SGD6BO Flat Tip Screwdrivers plus SGD304BO and SGD306BO Miniature Flat Tip Screwdrivers (five-piece)



SGD306BR

— Mini Tip

Red	Orange	Green	A	B	C	D
SGD304BR	SGD304BO	SGD304BG	.020	1/8	3	5 7/8
SGD306BR	SGD306BO	SGD306BG	.030	3/16	3	5 7/8



SGD480BR

— Cabinet

Red	Orange	Green	A	B	C	D
SGD146BR	SGD146BO	SGD146BG	.030	3/16	5 13/16	10 1/8
SGD1410BR	SGD1410BO	SGD1410BG	.032	3/16	10	14 5/32
SGD1416BR	SGD1416BO	SGD1416BG	.032	3/16	16	20 5/32
SGD480BR	SGD480BO	SGD480BG	.032	1/4	7 15/16	12 3/4
SGD4100BR	SGD4100BO	SGD4100BG	.032	1/4	9 15/16	14 3/4
SGD4120BR	SGD4120BO	SGD4120BG	.032	1/4	11 15/16	16 3/4
SGD4160BR	SGD4160BO	SGD4160BG	.032	1/4	15 15/16	20 3/4



SGDS50BR



SGD424BR

— Extra Long

Red	Orange	Green	A	B	C	D
SGD424BR	SGD424BO	SGD424BG	.046	5/16	24	28 3/4



SHD6R

— Standard

Red	Orange	Green	A	B	C	D
SHD1R*	SHD1O*	SHD1G*	.040	1/4	1 7/8	3 3/4
SHD2R	SHD2O	SHD2G	.035	7/32	2 13/16	6 15/16
SHD4R	SHD4O	SHD4G	.040	1/4	3 15/16	8 27/32
SHD6R	SHD6O	SHD6G	.050	5/16	5 15/16	10 27/32
SHD8R	SHD8O	SHD8G	.055	3/8	7 29/32	13 13/32
SHD10R	SHD10O	SHD10G	.055	3/8	10	15 7/16

*Does not include hex bolster.



SHD304R

Mini Tip

Red	Orange	Green	A	B	C	D
SHD304R	SHD304O	SHD304G	.018	1/8	3	5 7/8
SHD306R	SHD306O	SHD306G	.030	3/16	3	5 7/8



GSHD4R

— Industrial Finish Shank

Industrial/Red	A	B	C	D
GSHD1R*	.037	1/4	1 1/2	3 3/4
GSHD2R	.032	7/32	2 7/8	7
GSHD4R	.037	1/4	4	8 7/8
GSHD6R	.046	5/16	6	10 27/32
GSHD8R	.050	3/8	8	13 13/32

*Does not include hex bolster.



SHD4160O

Cabinet

Orange	A	B	C	D
SHD146O	.030	3/16	6	10 1/8
SHD480O	.032	1/4	8	12 3/4
SHD4120O	.032	1/4	12	16 3/4
SHD4160O	.032	1/4	16	20 3/4

⚠WARNING

- Do not use screwdrivers as pry bars, chisels or punches
- Read safety precautions on pages W1 to W4

FLAT TIP/POCKET AND SPARK TEST



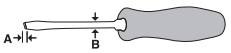
SDD204O

Pocket

Stock No.	Type	Description	A	D
SDD204O	Pocket	Screwdriver with Pocket Clip	.025	4 3/4
SDD224O*	Pocket	Distributor Screwdriver*	.025	4 3/4

*Magnet on handle





SDD214

Spark Test

Stock No.	Type	Description	A	D
SDD214	Spark Test	Screwdriver with Pocket Clip	.025 x 1/8	5 1/8

SOFT HANDLE PHILLIPS® INSTINCT®



SGDP42IRBR

Standard

Red	Orange	Green	A	B	C	D
SGDP31IRBR	SGDP31IRBO	SGDP31IRBG	#1	3/16	2 31/32	7 1/8
SGDP42IRBR	SGDP42IRBO	SGDP42IRBG	#2	1/4	3 31/32	8 7/8
SGDP62IRBR	SGDP62IRBO	SGDP62IRBG	#2	1/4	6	10 7/8
SGDP63IRBR	SGDP63IRBO	SGDP63IRBG	#3	5/16	5 29/32	10 13/16
SGDP64IRBR	SGDP64IRBO	SGDP64IRBG	#4	3/8	6	11 1/2
SGDP84BR	SGDP84BO	SGDP84BG	#4	3/8	8	15 5/8

SGDP50BR *Phillips* Tip Screwdriver Set
Includes SGDP31IRBR, SGDP42IRBR and SGDP63IRBR *Phillips* Tip Screwdrivers plus SGDP300BR and SGDP301BR Miniature *Phillips* Tip Screwdrivers (5-piece)

SGDP50BO *Phillips* Tip Screwdriver Set
Includes SGDP31IRBO, SGDP42IRBO and SGDP63IRBO *Phillips* Tip Screwdrivers plus SGDP300BO and SGDP301BO Miniature *Phillips* Tip Screwdrivers 5-piece)

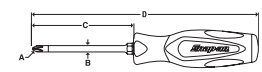
SGDP50BG *Phillips* Tip Screwdriver Set
Includes SGDP31IRBG, SGDP42IRBG and SGDP63IRBG *Phillips* Tip Screwdrivers plus SGDP300BG and SGDP301BG Miniature *Phillips* Tip Screwdrivers (5-piece)



SGDP82BR

Cabinet Type

Red	Orange	Green	A	B	C	D
SGDP61BR	SGDP61BO	SGDP61BG	#1	3/16	6	10
SGDP82BR	SGDP82BO	SGDP82BG	#2	1/4	8	13
SGDP162BR	SGDP162BO	SGDP162BG	#2	1/4	16	21
SGDP122BR	SGDP122BO	SGDP122BG	#2	1/4	12	17
SGDP102BR	SGDP102BO	SGDP102BG	#2	1/4	9 3/8	14 1/4
SGDP101BR	SGDP101BO	SGDP101BG	#1	3/16	10	14 1/8





SGDP300BR

Mini Tip

Red	Orange	Green	A	B	C	D
SGDP300BR	SGDP300BO	SGDP300BG	#0	1/8	3	6
SGDP301BR	SGDP301BO	SGDP301BG	#1	3/16	3	6



SGDP50BR



SGDP216BR

Extra Long

Red	Orange	Green	A	B	C	D
SGDP116BR	SGDP116BO	SGDP116BG	#1	3/16	16	20 5/32
SGDP216BR	SGDP216BO	SGDP216BG	#2	3/16	16	20 5/32
SGDP242BR	SGDP242BO	SGDP242BG	#2	5/16	24	28 3/4



SGDDP50BR

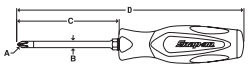
Diamond Tip

- Diamond particles "bite" into fasteners which minimizes slipping
- Diamond particles are extremely hard for long-lasting performance and minimal wear

Set Contains: SGDDP50BR

Red	A	B	C	D	Blade	
SGDDP31IRBR	#1	.197	3	7 5/32	SSDDP31RB	•
SGDDP42IRBR	#2	.236	4	8 29/32	SSDDP42RB	•
SGDDP61IRBR	#1	.197	6	10 5/32	SSDDP61RB	•
SGDDP62IRBR	#2	.236	6	10 29/32	SSDDP62RB	•
SGDDP63IRBR	#3	.315	5 3/4	10 5/8	SSDDP63RB	•

HARD HANDLE PHILLIPS® INSTINCT®



Standard

Red	Orange	Green	A	B	C	D
SHDP22IRR*	SHDP22IRO*	SHDP22IRG*	#2	1/4	1 5/8	3 1/2
SHDP31IRR	SHDP31IRO	SHDP31IRG	#1	3/16	2 31/32	7 1/8
SHDP42IRR	SHDP42IRO	SHDP42IRG	#2	1/4	3 31/32	8 7/8
SHDP62IRR	SHDP62IRO	SHDP62IRG	#2	1/4	6	10 13/32
SHDP63IRR	SHDP63IRO	SHDP63IRG	#3	5/16	5 29/32	10 13/16
SHDP64IRR	SHDP64IRO	SHDP64IRG	#4	3/8	6	11 1/2

*Does not include hex bolster.


SHDP63IRR

Standard/Industrial Finish Shank

Industrial/Red	A	B	C	D
GSHDP22IRR*	#2	1/4	1 1/2	3 3/4
GSHDP31R	#1	3/16	3	7 1/4
GSHDP42R	#2	1/4	4	8 7/8

*Does not include hex bolster.


GSHDP31R

Cabinet Type

Chrome/Orange	A	B	C	D
SHDP61O	#1	3/16	6	10 1/4
SHDP82O	#2	1/4	8	12 7/8
SHDP122O	#2	1/4	12	16 3/4
SHDP162O	#2	1/4	16	20 3/4


SHDP82O

MINI TIP AND POCKET INSTINCT®


SHDP300R

Mini Tip

Orange	Red	Green	A	B	C	D
SHDP300O	SHDP300R	SHDP300G	#0	1/8	3	5 13/16
SHDP301O	SHDP301R	SHDP301G	#1	3/16	3	5 13/16


SHDP204O

Pocket

Orange	A	D	B	C
SHDP204O	#1	4 7/8	1/8	2

SOFT GRIP Blue-Point®


BSGD7


BSGDP52

Flat Tip

Stock No.	Tip Size	Blade Length, inches	Length, inches
BSGD3	1/8	3	6 1/2
BSGD4	7/32	5	9
BSGD5	1/4	6	10 1/4
BSGD6	5/16	7	11 1/4
BSGD7	3/8	8	12 3/8

Standard *Phillips*

Stock No.	Tip Size	Blade Length, inches	Length, inches
BSGDP41	#1	4	8
BSGDP52	#2	5	9 1/4

⚠WARNING

- Do not use screwdrivers as pry bars, chisels or punches
- Read safety precautions on pages W1 to W4

SOFT GRIP Blue-Point®

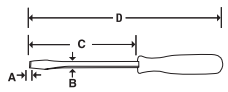


BSGDX70

Soft Grip Combination Sets

	Stock No.	Set Contains: BSGDX70
Flat Tip	BSGD3	•
	BSGD4	•
	BSGD5	•
	BSGD6	•
	BSGD7	•
Phillips®	BSGDP41	•
	BSGDP52	•

ELECTRONIC SERVICE





SSDEP61C

Electronic Thin Blade

- Recessed ends for fingertip pressure

Stock No.	A	B	C	D
SSDE42C	.018 x 1/8	1/8	2	5 5/16
SSDE43C	.018 x 1/8	1/8	3	6 5/16
SSDE44C	.018 x 1/8	1/8	4	7 5/16
SSDE46C	.018 x 1/8	1/8	6	9 5/16
SSDE48C	.018 x 1/8	1/8	8	11 5/16
SSDE63C	.030 x 3/16	3/16	3	9 9/16
SSDE64C	.028 x 3/16	3/16	4	7 9/16
SSDE66C	.030 x 3/16	3/16	6	6 9/16
SSDE68C	.028 x 3/16	3/16	8	11 9/16
SSDE610C	.030 x 3/16	3/16	10	13 9/16
SSDEP30C	#0	1/8	3	6 3/8
SSDEP31C	#1	3/16	3	6 5/8
SSDEP60C	#0	1/8	6	9 3/8
SSDEP61C	#1	3/16	6	9 5/8

Electronic Miniature

- Rotating handle mechanism ideal for precise, detailed electronics work
- Blades manufactured to exacting tolerances from special heat-treated alloy steel
- Blade tip finish is industrial black



SGDE70

Flat/*Phillips*

Stock No.	A	B	C	D	Set Contains: SGDE70
SGDE215	1.5	3/32	2	5 3/4	•
SGDE220	2.0	3/32	2	5 3/4	•
SGDE225	2.5	3/32	2	5 3/4	•
SGDE230	3.0	1/8	2	5 3/4	•
SGDEP200	#00	1/8	2	5 3/4	•
SGDEP20	#0	1/8	2	5 3/4	•
SGDEP21	#1	3/16	3	6 1/2	•



SSDE33C

Potentiometer Adjuster

Stock No.	A	B	C	D
SSDE33C	.015 x 3/32	3/32	3	5 9/16



SGDET70

TORX®

Stock No.	A	B	C	D	Set Contains: SGDET70
SGDET26	T6	1/8	2	5 1/2	•
SGDET27	T7	1/8	2	5 1/2	•
SGDET28	T8	1/8	2	5 1/2	•
SGDET29	T9	1/8	2	5 1/2	•
SGDET210	T10	1/8	2	5 1/2	•
SGDET215	T15	3/16	3	6 1/2	•
SGDET220	T20	3/16	3	6 1/2	•

Blow molded case included.



SGDEH70

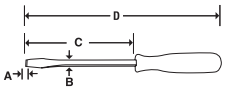
Hex/Miniature

Stock No.	A	B	C	D	Set Contains: SGDEH70
SGDEH304	1/16	3/32	2	5 1/2	•
SGDEH306	3/32	1/8	3	6 1/2	•
SGDEH307	7/64	3/16	3	6 1/2	•
SGDEH315	1.5 mm	3/32	2	5 1/2	•
SGDEH320	2.0 mm (5/64)	3/32	2	5 1/2	•
SGDEH325	2.5 mm	3/32	3	6 1/2	•
SGDEH330	3.0 mm	3/16	3	6 1/2	•

Blow molded case included.

Electronic Miniature/Long

- Extra long shanks for improved reach
- Small diameter shanks provide excellent clearance in tight applications
- Rotating handle mechanism for easy turning, important when working on detailed electronics work
- Bimold handle for a comfortable, nonslip gripping surface



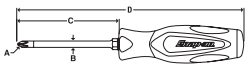
Flat/Phillips®

Stock No.	A	B	C	D	Set Contains: SGDEL40
SGDEL8	—	1/8	8	11 3/8	•
SGDEL10	—	3/16	10	13 3/8	•
SGDELP8	#0	1/8	8	11 3/8	•
SGDELP10	#1	3/16	10	13 3/8	•



SGDEL40

TORX® TIP SOFT HANDLE INSTINCT®



TORX Standard

- Designed for internal type *TORX* fasteners used in automotive and appliance industries

Red	Green	Orange	A	B	C	D	Set Contains: SGDTX90BR	SGDTX90BO	SGDTX90BG	SGDTX50BR
SGDTX38BR	SGDTX38BG	SGDTX38BO	T8	3/16	3	7 1/4	•	•	•	
SGDTX310BR	SGDTX310BG	SGDTX310BO	T10	3/16	3	7 1/4	•	•	•	
SGDTX315BR	SGDTX315BG	SGDTX315BO	T15	3/16	3	7 1/4	•	•	•	•
SGDTX320BR	SGDTX320BG	SGDTX320BO	T20	3/16	3	7 1/4	•	•	•	•
SGDTX425BR	SGDTX425BG	SGDTX425BO	T25	1/4	4	8 7/8	•	•	•	•
SGDTX427BR	SGDTX427BG	SGDTX427BO	T27	1/4	4	8 7/8	•	•	•	•
SGDTX430BR	SGDTX430BG	SGDTX430BO	T30	1/4	4	8 7/8	•	•	•	•
SGDTX640BR	SGDTX640BG	SGDTX640BO	T40	5/16	6	10 7/8	•	•	•	
SGDTX645BR	SGDTX645BG	SGDTX645BO	T45	5/16	6	10 7/8	•	•	•	



SGDTX90BR

Long

- Offers more torque with less cam-out
- Longer exposed lengths provide access to difficult-to-reach fasteners such as headlight assemblies
- Thin blade diameters provide optimal clearance while alloy offers strength to handle torque/turning force
- Solid *TORX* tip is stronger than a tamper-resistant *TORX* tip

Red	Green	Orange	A	B	C	D	Set Contains: SGDTXL70BR	SGDTXL70BG	SGDTXL70BO
SGDTX1008BR	SGDTX1008BG	SGDTX1008BO	T8	3/16	10	14 1/8	•	•	•
SGDTX1010BR	SGDTX1010BG	SGDTX1010BO	T10	3/16	10	14 1/8	•	•	•
SGDTX1015BR	SGDTX1015BG	SGDTX1015BO	T15	3/16	10	14 1/8	•	•	•
SGDTX1020BR	SGDTX1020BG	SGDTX1020BO	T20	3/16	10	14 1/8	•	•	•
SGDTX1225BR	SGDTX1225BG	SGDTX1225BO	T25	1/4	12	16 7/8	•	•	•
SGDTX1227BR	SGDTX1227BG	SGDTX1227BO	T27	1/4	12	16 7/8	•	•	•
SGDTX1230BR	SGDTX1230BG	SGDTX1230BO	T30	1/4	12	16 7/8	•	•	•

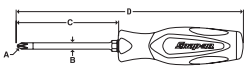


SGDTXL70BR

⚠WARNING

- Do not use screwdrivers as pry bars, chisels or punches
- Read safety precautions on pages W1 to W4

TORX® TIP SOFT HANDLE INSTINCT®





SGTX40BR

TORX Mini Tip

- Designed for internal type *TORX* fasteners used in automotive and appliance industries

Red	Green	Orange	A	B	C	D	Set Contains: SGTX40BR	SGTX40BO	SGTX40BG
SGDT308BR	SGDT308BG	SGDT308BO	T8	3/16	3	5 7/8	•	•	•
SGDT310BR	SGDT310BG	SGDT310BO	T10	3/16	3	5 7/8	•	•	•
SGDT315BR	SGDT315BG	SGDT315BO	T15	3/16	3	5 7/8	•	•	•
SGDT320BR	SGDT320BG	SGDT320BO	T20	3/16	3	5 7/8	•	•	•



SGDTRX50BR

Tamper Resistant

- Hole in the end of each bit tip fits over center peg in *TORX* tamper-resistant fasteners

Red	A	B	C	D	Set Contains: SGDTRX50BR
SGDTRX315BR	T15	3/16	3	7 1/4	•
SGDTRX320BR	T20	3/16	3	7 1/4	•
SGDTRX425BR	T25	3/16	4	8 7/8	•
SGDTRX427BR	T27	7/32	4	8 7/8	•
SGDTRX430BR	T30	1/4	4	8 7/8	•



SGDTRXL70BR

Tamper Resistant/Long

- Hole in the end of each bit tip fits over center peg in *TORX* tamper-resistant fasteners

Applications:
VW®/Audi® door and interior trim panels plus headlight assemblies. GM® engine sensors/components and steering column multiswitches.

Red	A	B	C	D	Set Contains: SGDTRXL70BR
SGDTRX608BR	T8	3/16	6	10	•
SGDTRX610BR	T10	3/16	6	10	•
SGDTRX615BR	T15	3/16	6	10	•
SGDTRX620BR	T20	3/16	6	10	•
SGDTRX825BR	T25	1/4	8	12 3/4	•
SGDTRX827BR	T27	1/4	8	12 3/4	•
SGDTRX830BR	T30	1/4	8	12 3/4	•



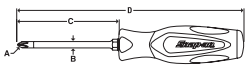
SGTRXL40BR

Tamper Resistant/Mini Tip

- Hole in the end of each bit tip fits over center peg in *TORX* tamper-resistant fasteners

Applications:
VW/Audi door and interior trim panels plus headlight assemblies.

Red	A	B	C	D	Set Contains: SGTRXL40BR
SGDTR608B	T8	3/16	6	8 7/8	•
SGDTR610B	T10	3/16	6	8 7/8	•
SGDTR615B	T15	3/16	6	8 7/8	•
SGDTR620B	T20	3/16	6	8 7/8	•



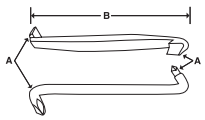
TORX Standard

Stock No.	A	B	C	D	Set Contains: SHDTX900
SHDTX380	T8	3/16	3	7 1/4	•
SHDTX3100	T10	3/16	3	7 1/4	•
SHDTX3150	T15	3/16	3	7 1/4	•
SHDTX3200	T20	3/16	3	7 1/4	•
SHDTX4250	T25	1/4	4	8 7/8	•
SHDTX4270	T27	1/4	4	8 7/8	•
SHDTX4300	T30	1/4	4	8 7/8	•
SHDTX6400	T40	5/16	6	10 7/8	•
SHDTX6450	T45	5/16	6	10 7/8	•



SHDTX900

SPECIAL APPLICATION



90° Offset Screwdrivers

Stock No.	Tip	A	B	Set Contains: ST50A
120SSDP	Phillips®	#1 and #2	4 3/4	•
340SSDP	*Phillips*	#3 and #4	6	•
10SSD	Flat Tip	.040 x 1/4	4	•
20SSD	Flat Tip	.050 x 5/16	4 11/16	•
30SSD	Flat Tip	.060 x 3/8	5 1/2	•



ST50A

Dzus® Fastener

• For *Dzus* type fasteners used in aircraft and auto racing applications

Stock No.	Tip Thickness, inches	Tip Width, inches	Blade Length, inches	Length, inches
S6180	3/64	31/2	2	6 13/32
S6189	1/32	19/64	2	5 47/64



S6180



S6189

Reversible Blade Screwdriver and Sets

SDDD101 Reversible Blade Screwdriver Set

• Includes four reversible bits for eight different tip sizes: 1/4" and 3/16" flat tip, #1 and #2 *Phillips* tip, T15, T20, T25 and T30 *TORX* tip
• Individual 1/4" and 5/16" nut drivers
• ASME® B107
• Durable, classic hard handle is textured for a sure grip



SDDD101

SDDD41 Reversible Blade Screwdriver Set

• Includes two reversible bits for four different tip sizes: 9/32" and 13/64" flat tip, #1 and #2 *Phillips* tip
• *ASME* B107
• Durable, classic hard handle is textured for a sure grip



SDDD41

Miniature Screwdriver/Awl Set

CM6551 Miniature Screwdriver Set

• Includes four blades in the following flat tip sizes: .055", .070", .080" and .100"
• Includes awl and plastic pouch



CM6551

⚠WARNING

• Do not use screwdrivers as pry bars, chisels or punches
• Read safety precautions on pages W1 to W4

SPECIAL APPLICATION



SGDQ16KT

Pop up Screwdriver and Diamond Bits

SGDQ6 Pop up Screwdriver

- Easy to use, spring-loaded shank can adjust to different lengths for clearance as well as compact storage (Approximately 6 1/2" and 8 1/2" lengths)
- Shank can be fully released to allow use with cordless drills
- Highly engineered collet incorporates both a magnetic and mechanical locking system to securely hold bits
- Rotating collet sleeve for "spinning" when quickly setting/removing fasteners
- Instinct® handle provides maximum turning power and greater comfort
- Diamond particles in bits "bite" into fasteners which minimizes stripping
- Diamond bits are extremely hard for long lasting performance and minimal wear
- Can accept all conventional 1/4" hex shank insert and power bits

SGDQ16KT Pop up Screwdriver Kit

Kit includes: SGDQ6 Pop up Screwdriver, SDMD221 – SDMD223 Phillips® Diamond Bits (#1, #2, #3), SDMD213 Flat Tip Diamond Bit, SDMDT10 – SDMDT30 TORX® Diamond Bits (T10 – T30) and SDMD321 – SDMD323 Power *Phillips* Diamond Bits (#1, #2, #3) in PAKSC062 Nylon Pouch.

PAKSC062 Nylon Pouch



SDDR40

Square Tip

- Square tip screwdrivers offer excellent fastener engagement
- Tips are precision cut and vapor blasted for optimal grip

Set Contains:	SDDR40

Stock No.	Color	Tip	C	D	
SDDROB30Y	Yellow	#0	3	6 21/32	•
SDDROB31G	Green	#1	3	6 21/32	•
SDDROB42R	Red	#2	4	8 13/32	•
SDDROB43	Black	#3	4	8 13/32	•



SSFP1



SSFP2



SSF1

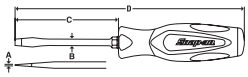
Low-Profile Screwdrivers

- Screwdriver provides ability to turn screws in extremely limited access areas where other products cannot reach
- Special alloy steel screwdriver bits are the shortest bits possible (10 mm) but still allow for full engagement of the screw
- Flat, low-profile design fits in extremely tight areas
- Uses found in the aviation, aerospace and automotive industries
- Can be used in assembly, on motorcycles and small engine repairs
- Tether hole in handle to help prevent FOD (Foreign Object Damage)
- 4.27" long

SSFP1 #1 *Phillips* Tip

SSFP2 #2 *Phillips* Tip

SSF1 Flat Tip





SGD153BR



SGD155BR



SPRG618O



SPRG625O

Marine Plug Screwdrivers

- Instinct® screwdriver handles offer a unique combination of power, comfort and versatility
- Chrome-plated blade for corrosion resistance and easy cleanup

Stock No.	A	B	C	D
SGD153BR	.050	3/8	2 3/4	8 1/4
SGD155BR	.050	1/2	2 29/32	10 3/8

SGD153BR Marine Plug Screwdriver

- Blade is turned from 3/8" diameter alloy stock for strength and uniformity
- Used on medium marine plugs and medium slotted fasteners

SGD155BR Marine Plug Screwdriver

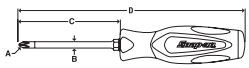
- Blade is turned from 1/2" diameter alloy stock for strength and uniformity
- Used on large marine plugs and large slotted fasteners

Push-Pull Spring Tools

- Designed to securely hold and maneuver small to medium size springs
- Deep "V-groove" tip and "C-groove" capture prevents spring from sliding off
- Use to remove light duty to medium duty compression or extension springs such as door springs, latch springs, brake adjuster springs, throttle return springs plus deck tensioner and stabilizer springs on tractors/mowers

Stock No.	A	B	C	D
SPRG618O	3/32	3/16	5 29/32	9 9/16
SPRG625O	7/64	1/4	5 29/32	10 5/16

POZIDRIV® HARD HANDLE INSTINCT®





SHDZ40R

Pozidriv/Hard Handle

- Walls on tips are less tapered than Phillips® tips
- Tips have wedges for a tight fit on *Pozidriv* fasteners
- *Phillips* tip drivers should not be used on *Pozidriv* fasteners (and vice versa), as they will ride out of the recess and round tool and screw recess corners

Stock No.	A	B	C	D	Set Contains: SHDZ40R
SHDZ22R	#2	1/4	1 1/2	3 3/4	
SHDZ31R	#1	3/16	3	7 1/4	•
SHDZ42R	#2	1/4	4	8 7/8	•
SHDZ63R	#3	5/16	6	10 7/8	•
SHDZ84R	#4	3/8	8	13 7/16	•

RATCHETING SCREWDRIVERS Blue-Point®

BSGDMR6 Ratcheting Screwdriver

- 45-tooth ratcheting mechanism ensures precise positioning and movement
- Bits are stored in a bit magazine inside the handle
- Includes 6 1/4" hex bits: flat tip (4.5 and 5.5), *Phill*ips (#1 and #2) plus TORX® (T15 and T20)
- Bits are considered a consumable and carry no warranty



BSGDMR6

⚠WARNING

- Do not use screwdrivers as pry bars, chisels or punches
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

RATCHETING SCREWDRIVERS/SOFT GRIP HANDLE SYSTEM

Red, orange or green – pick your preference with a complete screwdriver from the Soft Grip Ratcheting Screwdriver System. Perfectly matched combinations of magnetic bit holding shanks and handles means a perfect match to the technician's particular requirements.



SGDMRCE44



SGDMRCE44G



SGDMRC44G



SGDMRC44O



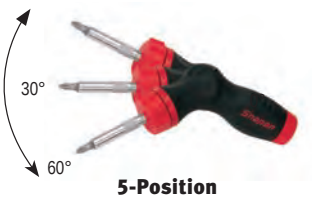
SGDMRC11A



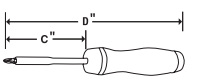
SGDMRC11G



SGDMRC11O



5-Position



All Handles

- Soft, solvent resistant cover material to provide a positive gripping surface
- "Thumbs up" forward/reverse lever for quick directional changes
- High quality knurled stainless steel shanks
- Contoured thumb stop at base of handle helps user apply maximum pressure to the fastener
- Smooth ratcheting mechanism
- Use with any SGDMRC series interchangeable blades and shanks
- Patented ergonomic handle shape provides comfort and control
- Comfort crown of handle cap provides low-friction surface for palm while turning

Standard Handle

- Cap functions as a bit holder when working in tight quarters
- Handle stores up to ten bits

5-Position Soft Grip

- Features 0°, 30° and 60° locking positions at the push of a button
- Designed for right- or left-hand operation
- Patented ergonomic handle shape provides comfort and control
- Cap functions as a bit holder for storage of up to seven bits
- TransDrive™ ratchet mechanism provides twice the strength of previous mechanism

Ratcheting Soft Grip

	Stock No.	Handle	Shank	Flat Tip Bit	Phillips® Bit	C	D
5-Position	SGDMRCE44	SGDMRCE4	SGDMRC1-10	SDM213B	SDM222IRB	2 5/8	8 1/2
Standard	SGDMRC44B	SGDMRC4	SGDMRC4-40	SDM213B	SDM222IRB	3 7/8	9 3/4
Stubby	SGDMRC11A	SGDMRCA1	SGDMRC1-10	–	SDM2221RB	2	4 1/2



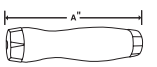
SGDMRC1A



SGDMRCE4G

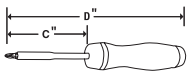


SGDMRC4AO



Handles

Red	Green	Orange	Handle	A
SGDMRC1A	SGDMRC1AG	SGDMRC1AO	Stubby	2 5/8
SGDMRC4A	SGDMRC4AG	SGDMRC4AO	Standard	6
SGDMRCE4	SGDMRCE4G	SGDMRCE4O	5-Position	5 7/8



Standard Handle

Stock No.	Handle	Color	C	D
SSDMR1A	Stubby	Black	1 15/16	4 5/16
SSDMR1AO	Stubby	Orange	1 15/16	4 5/16

Includes SDM222IRB #2 Phillips® ACR® Bit.

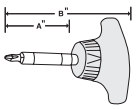
Stock No.	Handle	Color	C	D
SSDMR4B	Standard	Black	3 25/32	8 3/4
SSDMR4BO	Standard	Orange	3 25/32	8 3/4
SSDMR4BR	Standard	Red	3 25/32	8 3/4
SSDMR4BG	Standard	Green	3 25/32	8 3/4

Includes SDM211B (3/16") and SDM213B (9/32") Flat Tip bits plus SDM221IRB (#1), SDM222IRB (#2) and SDM223IRB (#3) *Phillips*® ACR bits.

RKRSSDMR4AC Service Kit
Order for servicing all the above drivers.

Stock No.	Handle	Color	C	D
SSDMR8A	Long	Black	7 7/16	12 15/16
SSDMR8AO	Long	Orange	7 7/16	12 15/16

Includes SDM211B (3/16") and SDM213B (9/32") Flat Tip bits plus SDM221IRB (#1), SDM222IRB (#2) and SDM223IRB (#3) *Phillips ACR* bits.



T-Handle

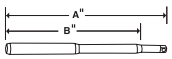
Stock No.	Handle	Color	A	B
SSDMRT4R	Standard	Red	3 7/8	5 27/32
SSDMRT4O	Standard	Orange	3 7/8	5 27/32

Stock No.	Handle	Color	A	B
SSDMRT1R	Stubby	Red	2	3 15/16
SSDMRT1O	Stubby	Orange	2	3 15/16

Stock No.	Handle	Color	A	B
SSDMRT8A	Long	Black	8	10

Includes the following bit: SDM222IRB #2 *Phillips ACR*.

RKRSSDMR4AC Service Kit
Order for servicing all the above drivers.



Interchangeable Shanks

- Use with handles in the soft grip ratcheting screwdriver system
- Neodymium magnet in shank holds bit securely
- 1/4" square drive shanks in standard and flexible styles allow attachment of a wide range of 1/4" drive sockets and accessories

Stock No.	Description	C	D
SGDMRC1-10	Magnetic Bit Holder	3 1/4	2
SGDMRC4-40	Magnetic Bit Holder	5	3 3/4
SGDMRC4-80	Magnetic Bit Holder	9	7 3/4
SGDMRC4-TM4	1/4" Sq. Dr. Shank	5	3 3/4
SGDMRC4-TMF4	Flexible 1/4" Sq. Dr. Shank	6 1/4	5
SGDMRC4-C6*	Non-Conductive Composite Magnetic Bit Holder	7 1/4	6
SGDMRC-SP	1/4" Speeder Shank	13	—

SGDMRC-SP Speeder Shank
- Ideal for aviation technicians and other applications where accessibility is limited

* Individually tested to protect up to 1,000 volts AC, 1,500 volts DC. SGDMRC4-C6 is not UL® Listed.


SSDMR1A


SSDMR4BR

SSDMR4BG


SSDMR8AO


SSDMR4R


SSDMRT1O


SSDMRT8A


SGDMRC1-10


SGDMRC4-40


SGDMRC4-80


SGDMRC4-TM4


SGDMRC4-TMF4


SGDMRC4-C6


SGDMRC-SP

⚠WARNING
• Do not use screwdrivers as pry bars, chisels or punches
• Read safety precautions on pages W1 to W4

RATCHETING SCREWDRIVER SETS

Soft Grip Ratcheting Screwdriver Sets

- SGDMRC starter sets include standard handle, medium and long magnetic bit holding shanks plus two flat tip bits, two Phillips® bits and one TORX® bit to meet most basic job requirements



SGDMRC103A



SGDMRC108AO

SGDMRC103A Red Ratcheting Screwdriver Set

Stock No.	Description
SGDMRC4A	Ratcheting Handle
SGDMRC4-40	Magnetic Shank/Bit Holder
SGDMRC4-80	Magnetic Shank/Bit Holder
SDM211B	3/16" Flat Tip Bit
SDM213B	9/32" Flat Tip Bit
SDM221IRB	#1 *Phillips* ACR® Bit
SDM222IRB	#2 *Phillips ACR* Bit
SDMT15D	T15 *Torx* Bit
PB146A	Storage Case

SGDMRC103AO Orange Ratcheting Screwdriver Set

- Same as SGDMRC103A set except has SGDMRC4O orange ratcheting handle

SGDMRC103AG Green Ratcheting Screwdriver Set

- Same as SGDMRC103A set except has SGDMRC4AG green ratcheting handle

SGDMRC108AO Orange Ratcheting Screwdriver Set

Stock No.	Description
SGDMRC1A	Ratcheting Handle
SGDMRC4A	Ratcheting Handle
SGDMRC1-10	Magnetic Shank/Bit Holder
SGDMRC4-40	Magnetic Shank/Bit Holder
SGDMRC4-80	Magnetic Shank/Bit Holder
SGDMRC4-TM4	1/4" Drive Shank
SDM400A	Master Bit Kit
PB146A	Storage Case

SGDMRC108A Red Ratcheting Screwdriver Set

- Same as SGDMRC108AO set except has SGDMRC1A and SGDMRC4A ratcheting handles

SGDMRC108AG Green Ratcheting Screwdriver Set

- Same as SGDMRC108A set except has SGDMRC1AG and SGDMRC4AG green ratcheting handles



DHW1



SHORTORX

SHORTORX Bit Set (Blue-Point®)

Vehicle Applications:
BMW® vehicles: Under dash and sensors in engine compartment. Cadillac® vehicles: Water pumps; *Cadillac* CTS, 3.2 L, 2003–2004/*Cadillac* Catera 3.0 L, 1997 – 2001: oil drain plug; Ford® vehicles: Escort, early model: Door hinge bolts; GM® vehicles: Fender applications; Jeep® vehicles: Cherokee, 1997 – 1998: Door hinge bolts; VW® vehicles, prior to 1999: Exterior and interior door hinge bolts.

Stock No.	Description	Size	Set Contains: SHORTORX
SDMTAS15	T15	5/16	•
SDMTAS20	T20	5/16	•
SDMTAS25	T25	5/16	•
SDMTAS27	T27	5/16	•
SDMTAS30	T30	5/16	•
SDMTAS40	T40	5/16	•
SDMTAS45	T45	5/16	•
DHW1	Reversible Ratcheting Bit Wrench	—	•

DHW1 Reversible Ratcheting Bit Wrench *Blue-Point*

- Overall length: 10.75" (273 mm)
- Low head clearance for access to tight spots
- Internal ring in square drive provides more secure bit retention than magnetic models

Magnetic Ratchet and Bit Set

TM72SET Magnetic Ratchet and Bit Set

- Ideal for accessing fasteners in tight areas
- Ratchet features magnetic retention for 1/4" hex bits
- SDM211 (3/16") Flat Tip bit
- SDM213B (9/32") Flat Tip bit
- SDM221IRB (#1) Phillips® ACR® bit
- SDM222IRB (#2) *Phillips ACR* bit
- SDM15D (T15) TORX® bit
- Use RKRTM72A Service Kit



TM72SET

Includes:

Stock No.	◯	◯ 5°	A	B	C	D
TM72SET	72	5°	7/16	15/16	1 3/4	4 7/16



YA480B



BTWSMPK



BTWOSK

Ratcheting Offset Screwdrivers (Blue-Point®)

YA480B Right Angle Ratcheting Screwdriver

Includes one each:

- Flat Tip, #2 *Phillips*®, #2 Pozidriv® bits

BTWSMPK Miniature Ratcheting Handle Set

Includes:

- BTWSM, BTWOS and BTWROS mini ratcheting handles
- SDM213B (9/32") flat tip bit
- SDM213B (9/32") flat tip bit
- SDM221IRB (#1)
- SDM222IRB (#2) *Phillips ACR* bits
- SDMT150D (T15) *TORX* bit

BTWOSK Miniature Ratcheting Handle Set

Includes:

- BTWOS mini ratcheting handle
- SDM213B (9/32") flat tip bit
- SDM221IRB (#1)
- SDM222IRB (#2) *Phillips ACR* bits
- SDMT15D (T15) *TORX* bit

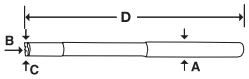
BTWS Miniature Ratcheting Handle Straight

BTWOS Miniature Ratcheting Handle 25° Offset

BTWROS Miniature Ratcheting Handle 25° Reverse Offset

Features:

- 72-tooth ratchet engagement with only 5° movement to engage the next tooth
- 25° offset handles help avoid knuckle injuries
- Magnetic holder keeps bits in place



Aluminum Starters

- Spring loaded steel bits grip screw slot wall to withstand an 8 lb pull
- Bits release automatically when applied torque reaches a certain level

Stock No.	A	B	C	D
SS5A	5/16	Flat Tip	.032 x 9/32	5
SSM3*	5/16	Flat Tip	.032 x 9/32	2 1/2
SSM5A*	5/16	Flat Tip	.032 x 9/32	5 1/4
SSM6A*	9/32	*Phillips*	#3	5 1/2
GA260A	9/32	*Phillips*	#2	2 5/8
GA261B	9/32	*Phillips*	#3	5 5/8
GA199A	9/32	Combination	.032 x 9/32, #2	5 7/8

*Aluminum handle with magnet.



SS5A SSM5A SSM6A



GA260A GA199A



SSR7

SSR7 Recessed Screw and Nut Starter

- Round aluminum body with knurled gripping area in center
- Designed to accommodate the most popular sizes of recessed screws: *TORX*, Socket Head, *Phillips*, etc.
- Opposite end handles #3, #4, #6, #8 and #10 nuts
- Overall length is 6 3/4"

⚠WARNING

- Do not use screwdrivers as pry bars, chisels or punches
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

NUT DRIVERS

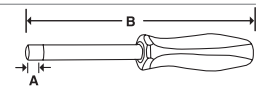


NDDM900A

Hard Handle, mm, 6-Point

mm	Stock No.	A*	B	Set Contains: NDDM900A
5	NDDM50A	7.5	169	•
6	NDDM60A	7.5	169	•
7	NDDM70A	9.1	169	•
8	NDDM80A	9.9	169	•
9	NDDM90A	9.9	188	•
10	NDDM100A	13.1	207	•
11	NDDM110A	13.1	207	•
12	NDDM120A	13.1	221	•
13	NDDM130A	13.1	221	•

*Socket Length





NDD900B

Hard Handle, inches, 6-Point

Stock No.	Color	A*	B	Set Contains: NDD900B
3/16	NDD106B	Black	19/64	6 21/32	•
7/32	NDD107BBR	Brown	19/64	6 21/32	•
1/4	NDD108BR	Red	19/64	6 21/32	•
9/32	NDD109BO	Orange	23/64	6 21/32	•
5/16	NDD110BY	Yellow	23/64	6 21/32	•
11/32	NDD111BG	Green	25/64	6 21/32	•
3/8	NDD112BB	Blue	25/64	7 13/32	•
7/16	NDD114BBR	Brown	33/64	8 5/32	•
1/2	NDD116BR	Red	33/64	8 21/32	•
9/16	NDD118BO	Orange	47/64	9 1/4	
5/8	NDD120BY	Yellow	47/64	9 1/4	

*Socket Length



NDSGM600

Ergonomic Soft Grip Handle, mm, 6-Point

mm	Stock No.	Handle Color	Length	Set Contains: NDSGM600
7	NDSGM7	Blue	160	•
8	NDSGM8	Blue	160	•
10	NDSGM10	Blue	160	•
12	NDSGM12	Blue	160	•
13	NDSGM13	Blue	160	•
14	NDSGM14	Blue	160	•



NDSG600

Ergonomic Soft Grip Handle, inches, 12-Point

Stock No.	Handle Color	Length	Set Contains: NDSG600
1/2	NDSG12	Red	6 3/8	•
1/4	NDSG14	Red	6 3/8	•
3/8	NDSG38	Red	6 3/8	•
5/16	NDSG516	Red	6 3/8	•
7/16	NDSG716	Red	6 3/8	•
9/32	NDSG932	Red	6 3/8	•



102NDL10

Locking Nut Drivers (Blue-Point®)

- Tools lock onto hex screws
- Great for hose clamp and other hard-to-reach applications

Stock No.	Size	Length	Set Contains: 102NDL10	102NDLM10
NDL1410	1/4	10	•	
NDL51610	5/16	10	•	
NDLM610	6 mm	10		•
NDLM710	7 mm	10		•



SDM400A

Master Bit Set (1/4" Hex)

SDM400A Master Bit Kit

- 37pc set
- 1/4" hex shank bits
- SDM11 magnetic insert bit holder for quick hex bit changes when using cordless drill or screw gun
- TMBS8A 1/4" hex magnetic socket for use with 1/4" drive handles
- GMB3042 1/4" power hex to square adaptor

Includes all bits below:

	Stock No.	#
Flat Tip Bit	SDM211B	.031" x .187"
	SDM212B	.035" x .219"
	SDM213B	.038" x .250"
	SDM214C	.046" x .312"
	SDM215C	.055" x .375"
Hex Bit	SDM2704D	1/16"
	SDM2705D	5/64"
	SDM2706D	3/32"
	SDM2707D	7/64"
	SDM2708D	1/8"
	SDM2709D	9/64"
	SDM2710D	5/32"
	SDM2712D	3/16"
	SDM2714D	7/32"
	SDM2716D	1/4"
Phillips® ACR® Bit	SDM221IRB	#1
	SDM222IRB	#2
	SDM223IRB	#3
TORX® Bit	SDMT8D	T8
	SDMT9D	T9
	SDMT10D	T10
	SDMT15D	T15
	SDMT20D	T20
	SDMT25D	T25
	SDMT27D	T27
	SDMT30D	T30
	SDMT40D	T40
POZIDRIV® *ACR* Bit	SDM251IRC	#1
	SDM252IRB	#2
	SDM253IRC	#3
Scrulox® Bit	BTS0	#0
	BTS1	#1
	BTS2	#2
	BTS3	#3
Storage Case	PB90A	



SDM410

Master Bit Set (1/4" Hex)

SDM410 Metric Bit Set

- Popular array of adaptors allowing use with hand or cordless tools
- Blow molded parts case to keep components organized (PB900)

	Stock No.	#
Flat Tip Bit	SDM211B	.031" x .187"
	SDM212B	.035" x .219"
	SDM213B	.038" x .250"
	SDM214C	.046" x .312"
	SDM215C	.055" x .375"
Phillips ACR Bit	SDM221IRB	#1
	SDM222IRB	#2
	SDM223IRB	#3
POZIDRIV ACR Bit	SDM251IRC	#1
	SDM252IRB	#2
	SDM253IRC	#3
Phillips Limited Clearance Bit	SDM222CZ	#2
Metric Hex Bit	SDMM2702.5B	2.5 mm
	SDMM2702B	2 mm
	SDMM2703B	3 mm
	SDMM2704C	4 mm
	SDMM2705C	5 mm
	SDMM2706C	6 mm
	SDMM2708B	8 mm
	SDMM2710B	10 mm
TORX Bit	SDMT8D	T8
	SDMT9D	T9
	SDMT10D	T10
	SDMT15D	T15
	SDMT20D	T20
	SDMT25D	T25
	SDMT27D	T27
	SDMT30D	T30
	SDMT40D	T40
TORX Tamper-Resistant Bit	SDMTR10	T10
	SDMTR15	T15
	SDMTR20	T20
	SDMTR25	T25
	SDMTR27	T27
	SDMTR30	T30
	SDMTR40	T40
	SDMTR8	T8
1/4" Hex opening, 1/4" drive	TMBS8A	
1/4" Hex to 1/4" Square	GMB3042	
Insert Bit Magnetic Holder	SDM11	
Storage Case	PB900	

WARNING

• Read safety precautions on pages W1 to W4

BIT SETS



SDM32KT

Ball Hex Bit Sets (1/4" Hex)

SDM32KT Ball Hex Set (Blue-Point®)
- 1/4" shank bits for use in difficult access applications where fastener cannot be approached straight on
- 32pc set

	Stock No.	#
Metric	SDMBMH2702	2 mm
	SDMBMH2702.5	2.5 mm
	SDMBMH2703	3 mm
	SDMBMH2704	4 mm
	SDMBMH2705	5 mm
	SDMBMH2706	6 mm
	SDMBMH2707	7 mm
	SDMBMH2708	8 mm
	SDMBMH2709	9 mm
	SDMBMH2710	10 mm
Fractional	SDMBH2706	3/32"
	SDMBH2707	7/64"
	SDMBH2708	1/8"
	SDMBH2709	9/64"
	SDMBH2710	5/32"
	SDMBH2712	3/16"
	SDMBH2714	7/32"
	SDMBH2716	1/4"
	SDMBH2720	5/16"
	SDMBH2724	3/8"

	Stock No.	#
TORX®	SDMBT10	T10
	SDMBT15	T15
	SDMBT20	T20
	SDMBT25	T25
	SDMBT27	T27
	SDMBT30	T30
	SDMBT40	T40
	SDMBT45	T45
	SDMBT50	T50
	SDMBT55	T55
Bit Holder	SDM13	—
1/4" Fem Hex to 1/4" Fem Sq Dr. Adaptor	TMBS108	—



SDM11KT

SDM11KT *TORX* Ball Hex Set *(Blue-Point)*
- 1/4" shank bits for use in difficult access applications where fastener cannot be approached straight on
- 11pc set
- Includes storage case with belt clip

	Stock No.	#
TORX	SDMBT10	T10
	SDMBT15	T15
	SDMBT20	T20
	SDMBT25	T25
	SDMBT27	T27
	SDMBT30	T30
	SDMBT40	T40
	SDMBT45	T45
	SDMBT50	T50
Bit Holder	SDM13	—
1/4" Fem Hex to 1/4" Fem Sq Dr. Adaptor	TMBS108	—



SDMC8D



SDMC8GT

Ratcheting Screwdriver Bit Sets

- All bits are 1/4" hex shank

SDMC8D Screwdriver Bit Set
- Set includes one Flat Diamond Tip Bit (1 mm), three Phillips® Diamond Tip Bits (#1, #2, #3) and four *TORX* Diamond Tip Bits (T15, T20, T25, T30) in SDMC8 Storage Case

SDMC8RD Screwdriver Bit Set
- Set includes one Flat Diamond Tip Bit (1 mm), three *Phillips* Diamond Tip Bits (#1, #2, #3) and four *TORX* Diamond Tip Bits (T15, T20, T25, T30) in SDMC8R Storage Case

SDMC8T Screwdriver Bit Set
- Set includes eight *TORX* Bits (T8–T30) in SDMC8 Storage Case

SDMC8GT Screwdriver Bit Set
- Set includes eight *TORX* Bits (T8–T30) in SDMC8G Storage Case

SDMC8OT Screwdriver Bit Set
- Set includes eight *TORX* Bits (T8–T30) in SDMC8O Storage Case

SDMC8RT Screwdriver Bit Set
- Set includes eight *TORX* Bits (T8–T30) in SDMC8R Storage Case

	Stock No.	#
Flat Tip Diamond Bit	SDMD213	1 mm/5.5 mm
Phillips Diamond Bit	SDMD221	#1
	SDMD222	#2
	SDMD223	#3
TORX Diamond Bit	SDMDT15	T15
	SDMDT20	T20
	SDMDT25	T25
	SDMDT30	T30
TORX Bit	SDMT8D	T8
	SDMT9D	T9
	SDMT10D	T10
	SDMT15D	T15
	SDMT20D	T20
	SDMT25D	T25
	SDMT27D	T27
	SDMT30D	T30

Ratcheting Screwdriver Bit Sets

- All bits are 1/4" hex shank

SDMC8P Screwdriver Bit Set
- Set includes two Flat Tip Bits (.031", .038"), three Phillips® Bits (#1, #2, #3), one Limited Clearance *Phillips* Bit (#2), one Scrulox® Bit (#2) and 1" Adaptor in SDMC8 Storage Case

SDMC8GP Screwdriver Bit Set
- Same as SDMC8P but uses SDMC8G Green Storage Case

SDMC8OP Screwdriver Bit Set
- Same as SDMC8P but uses SDMC8O Orange Storage Case

SDMC8RP Screwdriver Bit Set
- Same as SDMC8P but uses SDMC8R Red Storage Case

SDMC8H Screwdriver Bit Set
- Set includes eight Hex Bits 3/32"–5/16" in SDMC8 Storage Case

SDMC8RH Screwdriver Bit Set
- Same as SDMC8H but uses SDMC8R Red Storage Case

SDMC8MH Screwdriver Bit Set
- Set includes eight Metric Hex Bits 2 mm–10 mm in SDMC8 Storage Case

SDMC8RMH Screwdriver Bit Set
- Same as SDMC8MH but uses SDMC8R Red Storage Case

Storage Case
- Case is designed to fit the shank of Snap-on® ratcheting screwdriver allowing the tools to be stored together
- Indexable tray has good bit spacing and pivots up to make bit selection/removal easy
- Case available in Red, Black, Green and Orange

SDMC8 Bit Storage Case Black



SDMC8GP



SDMC8OP

Description	Stock No.	Size
Flat Tip Bit	SDM211B	.031" x .187"
	SDM213B	.038" x .250"
Phillips ACR® Bit	SDM221IRB	#1
	SDM222IRB	#2
	SDM223IRB	#3
Phillips Limited Clearance Bit	SDM222CZ	#2
Scrulox Bit	BTS2	#2
Hex-to-Square Adaptor	GMB3041	1/4" Hex to 1/4" Square
Hex Bit	SDM2706D	3/32"
	SDM2708D	1/8"
	SDM2709D	9/64"
	SDM2710D	5/32"
	SDM2712D	3/16"
	SDM2714D	7/32"
	SDM2716D	1/4"
	SDM2720D	5/16"
Metric Hex Bit	SDMM2702B	2 mm
	SDMM2702.5B	2.5 mm
	SDMM2703B	3 mm
	SDMM2704C	4 mm
	SDMM2705C	5 mm
	SDMM2706C	6 mm
	SDMM2708B	8 mm
	SDMM2710B	10 mm

Power Bit Set

SDMEXT27K Adaptor and Bit Set (27pc)

Description	Stock No.	
Flat Tip Bit	SDM211B	.031" x .187"
	SDM212B	.035" x .219"
	SDM213B	.038" x .250"
Phillips ACR Bit	SDM221IRB	#1
	SDM222IRB	#2
	SDM223IRB	#3
Phillips Power Bit	SDM321B	#1
	SDM322B	#2
	SDM323A	#3
Magnetic Nutsetter	SDMN25	1/4" Hex x 1/4"
	SDMN31	1/4" Hex x 5/16"
Scrulox Bit	BTS1	#1
	BTS2	#2
	BTS3	#3
TORX Bit	SDMT10D	T10
	SDMT15D	T15
	SDMT20D	T20
	SDMT25D	T25
	SDMT27D	T27
	SDMT30D	T30
Hex-to-Square Adaptor, 1/4" Hex to 1/4" Square	GMB3041	1" Long
	GMB3042	2" Long
	GMB3046	6" Long
Hex-to-Square Adaptor, 1/4" Hex to 3/8" Square	AB3042	2" Long
	AB3046	6" Long
Insert Bit Magnetic Holder	SDM11	—
Quick-Change Coupler, 1/4" Drive	TMC109A	—



SDMEXT27K

⚠WARNING

• Read safety precautions on pages W1 to W4

BIT SETS



SDML19KT



SDMEXT19K



CTS561BITXL



YA52PBSQC

Power Bit Sets

SDML19KT Long Power Bit Set
- Includes an assortment of popular sized bits to cover a wide range of applications
- Helps avoid costly damage to work surface by eliminating chuck contact

Includes:
- Four flat tip bits: two 3" long, (2) 6" long
- Six Phillips® bits: three 2 3/4" long, three 6" long
- Eight TORX® bits: four 2 3/4" long, four 6" long
- TMC109A quick change coupler

SDMEXT19K Adaptor and Bit Set
- Complete set includes the most popular sizes and lengths of extensions, adaptors and bits
- 1/4" hex to 1/4" or 3/8" square drives hex-to-square adaptors for use with sockets (2" and 6" long)
- Magnetic bit holder for use with insert bits and quick change coupler for use with 1/4" hex power bits

Includes:
- Three flat tip
- Three *Phillips*
- Three *Phillips* insert bits
- Three *TORX* power bits

CTS561BITXL Adaptor and Bit Set
- Comprehensive set offering including stainless steel insert bit adaptor
- Additional length provides greater access and minimizes drill contact with work surface
- Ideal for use with cordless drills and screwdrivers
- Power bits made from tough S2 steel
- Overmolded bit case with indexable trays for easy storage

Set includes:
- T8, T10, T15, T20, T25, T27, T30
- *Phillips* #1, #2, #3
- Square #1, #2
- Slotted
- 6" Stainless Adaptor with magnet retention
- SDM611 Adaptor, 6" Magnetic Bit
- CTS561BITCS indexable case

YA52PBSQC Power Bit Set (Blue-Point®)
- Ideal for use with cordless drills and screwdrivers

Includes:
- Seven six-lobe star (tamper-proof) insert bits
- Three square insert bits
- Four *Phillips* ACR® insert bits
- Four slotted insert bits
- Seven hex insert bits
- Two clutch insert bits
- Six six-lobe star (tamper-proof) power bits
- Three square power bits
- Three *Phillips ACR* power bits
- Three slotted power bits
- Three hex power bits
- Three socket adaptors
- Quick change chuck
- Two *Phillips* double end bits
- Square bit holder
- Storage case

Magnetic Insert Bit Holders

SDM11 Insert Bit Magnetic Holder
- For quick hex bit changes when used with electric drill or screw gun
- Magnetic and lock ring bit retention
- 2 7/8" long

SSDM10A Bits Pocket Box
- Pocket sized storage system for SDM series bits
- Includes quick change bit holder

SSDM28 Magnetic Hex Bit Organizer
- Holds eight 5/16" and (18) 1/4" hex bits
- Five clips slide on rail to easily access bit
- Magnets on base of holder for attachment to any ferrous metal surface
- Plastic material helps protect finished surface from scratches

SDM611 Insert Bit Magnetic Holder
- For quick hex bit changes when used with electric drill or screw gun
- Magnetic bit retention
- 6" long


SDM11



SSDM10A


SSDM28


SDM611

Screwdriver Bit Holders

SDM12 Insert Bit Holder
- Lock ring bit retention for quick hex bit changes
- 1 1/8" long

TMC109A Quick Change Coupler
- Use with any 1/4" drive handle
- Spring release shell retracts to accept 1/4" hex power type bits
- Ideal for production situations where positive bit retention is required


SDM12


TMC109A

Screwdriver Bit Sockets

- For use with standard 1/4" hex SDM series screwdriver bits

Stock No.	Description
FBS8	3/8" Drive, Socket for 1/4" Hex Shanks
FBS9	3/8" Drive, Socket for 5/16" Hex Shanks
CFSSB8	Insulating Universal Bit Socket, 1/4" hex opening, 3/8" drive


FBS8


CFSSB8

Magnetic Screwdriver Bit Sockets

- For use with standard 1/4" hex SDM series screwdriver bits

Stock No.	Description
TMBS8A	1/4" hex opening, 1/4" drive
GTMBS8A	1/4" hex opening, 1/4" drive. Black industrial finish
TMUBS8	1/4" hex opening, 1/4" drive
FBSM8A	1/4" hex opening, 3/8" drive


TMBS8A


TMUBS8

Magnetic Nut Drivers

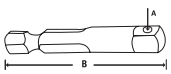
- Allows ratcheting screwdrivers (with 1/4" hex end) to be used as a nut driver
- Magnet securely holds nut during use

Stock No.	Size	Hex Size, inches	Length, inches
SDMN25	1/4	1/4	1 3/4
SDMN31	5/16	1/4	1 3/4


SDMN31

Hex-to-Square Adaptors (Power)

- 1/4" hex size; 1" length of hex



Stock No.	A	B
GMB3041*	Friction Ball	1
GMB3042	Friction Ball	2
GMB3046	Friction Ball	6
AB3042	Ball Detent	2
AB3044	Ball Detent	4
AB3046	Ball Detent	6

*Insert Bit Style, non-impact


GMB3046


AB3042

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

1/4" HEX SHANK BITS

	Stock No.	#
Flat Tip	SDM211B**	.031" x .187"
	SDM212B**	.035" x .219"
	SDM213B**	.038" x .250"
	SDM214C**	.046" x .312"
	SDM215C**	.055" x .375"
Phillips®	SDM221C	#1
	SDM222ZB	#2
	SDM222CZ*	#2
	SDM223C	#3
Reed & Prince	SDM231A	#2
Clutch A	SDM242	3/32"
	SDM243	1/8"
	SDM244	5/32"
	SDM245	3/16"
	SDM246	1/4"
	SDM247	5/16"
Clutch G	SDM242G	3/32"
	SDM243G	1/8"
	SDM244G	5/32"
	SDM245G	3/16"
	SDM246G	1/4"
Hex, inches	SDM2704D**	1/16"
	SDM2705D**	5/64"
	SDM2706D**	3/32"
	SDM2707D**	7/64"
	SDM2708D**	1/8"
	SDM2709D**	9/64"
	SDM2710D**	5/32"
	SDM2712D**	3/16"
	SDM2714D**	7/32"
	SDM2716D**	1/4"
	SDM2720D	5/16"
	SDM2724D	3/8"
Hex, mm	SDMM2702B	2 mm
	SDMM2702.5B	2.5 mm
	SDMM2703B	3 mm
	SDMM2704C	4 mm
	SDMM2705C	5 mm
	SDMM2706C	6 mm
	SDMM2708B	8 mm
	SDMM2710B	10 mm
Pozidriv®	SDM251C**	#1
	SDM252C**	#2
	SDM253C**	#3


SDM221IRB


SDM221IRB

Phillips ACR® Installer/Remover

- Anti-camout ribs bite into fasteners and help prevent camout

Stock No.	#
SDM221IRB***	#1
SDM222IRB***	#2
SDM223IRB***	#3

***Part of SDM400A Master Bit Set

	Stock No.	#
Torx®	SDMT6A	T6
	SDMT7A	T7
	SDMT8D**	T8
	SDMT9D**	T9
	SDMT10D**	T10
	SDMT15D**	T15
	SDMT20D**	T20
	SDMT25D**	T25
	SDMT27D**	T27
	SDMT30D**	T30
	SDMT40D**	T40
Square	BTS0**	#0
	BTS1**	#1
	BTS2**	#2
	BTS3**	#3
Tri-Wing	BTW0A	#0
	BTW1A	#1
	BTW2A	#2
	BTW3A	#3
	BTW4A	#4
	BTW5A	#5
	BTW6A	#6
Double Square	BTSS2	#2

*Small profile/narrow tip **Included as part of SDM400A Master Bit Set

- BTS and BTSS Series bits can be used on recessed double square fasteners used on trailer and RV exteriors
- Bit size varies by application


SDMTW8A


SDMW221A

Wobble Bits

- Give up to an 18° angle of "wobble"

Stock No.	#
SDMTW8A	T8
SDMTW9A	T9
SDMTW10A	T10
SDMTW15A	T15
SDMTW20A	T20
SDMTW25A	T25
SDMTW27A	T27
SDMTW30A	T30
SDMTW40A	T40
SDMW221A	#1
SDMW222A	#2
SDMW223A	#3



SDMTR8

Tamper - Resistant *TORX*

- Bits SDMTR8 through SDMTR40 are all 1/4", bits SDMTR45 and SDMTR50 are 5/16"

Stock No.	#
SDMTR8	T8
SDMTR10	T10
SDMTR15	T15
SDMTR20	T20
SDMTR25	T25
SDMTR27	T27
SDMTR30	T30
SDMTR40	T40
SDMTR45	T45
SDMTR50	T50

Pozidriv ACR Installer/Remover

- Anti-camout ribs bite into fasteners and help prevent camout


SDM252IRA

Stock No.	#
SDM251IRC***	#1
SDM252IRC***	#2
SDM253IRC***	#3

***Part of SDM400A Master Bit Set

Diamond Tip Insert Bits

- Diamond particles "bite" into fasteners which minimizes slipping
- Diamond particles are extremely hard for long-lasting performance and minimal wear

	Stock No.	#
Phillips®	SDMD221	#1
	SDMD222	#2
	SDMD223	#3
Flat Tip	SDMD212	.8 mm/5.5 mm
	SDMD213	1 mm/5.5 mm
	SDMD214	1.2 mm/6.5 mm
TORX®	SDMDT10	T10
	SDMDT15	T15
	SDMDT20	T20
	SDMDT25	T25
	SDMDT30	T30
	SDMDT40	T40

Diamond Tip Power Bits

	Stock No.	#
Power Bit	SDMD321	#1
	SDMD322	#2
	SDMD323	#3

Mortorq® Bits

- Typically used on aerospace applications
- Low-profile head design, high-strength torque acceptance and lighter weight

	Stock No.	#
Mortorq	SDMMT00	#00
	SDMMT0	#0
	SDMMT1	#1
	SDMMT2	#2
	SDMMT3	#3

INSERT BITS

TORX

	Stock No.	#	II	Length, inches
TORX	SDMTA40	T40	.312	1 1/4
	SDMTA45	T45	.312	1 1/4
	SDMTA50	T50	.312	1 1/4
	SDMTA55	T55	.312	1 1/4

Specialty Bit

	Stock No.	II
	SDM3D24	.312

SDM3D24 Flat Tip/#2 Phillips® Insert Bit

- Double end bit #2 *Phillips* and .05" slotted tip
- For use with SDDDM series pocket screwdrivers



BLPTMBS1414

Bit Holder and 1/4" Bits (Blue-Point®)

Stock No.	Description	Size
BLPTMBS1414	Bit Holder (for 1/4" hex bits)	—
BLPTMBS3814	Bit Holder (for 1/4" hex bits)	3/8"
BLPHB18	Hex Bit	1/8"
BLPHB964	Hex Bit	9/64"
BLPHB532	Hex Bit	5/32"
BLPHB316	Hex Bit	3/16"
BLPHB732	Hex Bit	7/32"
BLPHB14	Hex Bit	1/4"
BLPHBM3	Metric Hex Bit	3 mm
BLPHBM4	Metric Hex Bit	4 mm
BLPHBM5	Metric Hex Bit	5 mm
BLPHBM6	Metric Hex Bit	6 mm
BLPTB10TP	Tamper-Resistant *TORX* Bit	T10
BLPTB15TP	Tamper-Resistant *TORX* Bit	T15
BLPTB20TP	Tamper-Resistant *TORX* Bit	T20
BLPTB25TP	Tamper-Resistnat *TORX* Bit	T25
BLPTB30TP	Tamper-Resistant *TORX* Bit	T30
BLPFB532	Flat Tip Bit	5/32"
BLPFB732	Flat Tip Bit	7/32"
BLPFB932	Flat Tip Bit	9/32"
BLPFB316	Flat Tip Bit	3/16"
BLPFB14	Flat Tip Bit	1/4"
BLPPB0	*Phillips* Tip Bit	#0
BLPPB1	*Phillips* Tip Bit	#1
BLPPB2	*Phillips* Tip Bit	#2
BLPPB3	*Phillips* Tip Bit	#3
BLPSQB1	Square Tip Bit	#1
BLPSQB2	Square Tip Bit	#2

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

POWER BITS

Phillips®

	Stock No.	#		A	B
Phillips	SDM220A	#0	1/4	—	1
	SDM320A	#0	1/4	.125	1 15/16
	SDM321B	#1	1/4	.187	1 15/16
	SDM322B	#2	1/4	.234	1 15/16
	SDM323A	#3	1/4	.234	1 15/16
	SDM421B	#1	1/4	.187	2 3/4
	SDM422B	#2	1/4	.234	2 3/4
	SDM423B	#3	1/4	.234	2 3/4
	SDM521A	#1	1/4	.187	3 1/2
	SDM522A	#2	1/4	.234	3 1/2
	SDM523A	#3	1/4	.234	3 1/2
	SDM621A	#1	1/4	.187	6
	SDM622A	#2	1/4	.234	6
	SDM623A	#3	1/4	.234	6
	SDMA421	#1	5/16	.250	3
	SDMA422A	#2	5/16	.250	3
	SDMA423A	#3	5/16	.296	3
	SDMB422A	#2	7/16	.312	3
	SDMB423A	#3	7/16	.312	3
	SDMB424A	#4	7/16	.375	3
	SDMB522A	#2	7/16	.312	4 1/2
	SDMB523A	#3	7/16	.312	4 1/2
	SDMB524A	#4	7/16	.375	4 1/2
	SDMB622	#2	7/16	.312	6
	SDMB623A	#3	7/16	.312	6
	SDMB624A	#4	7/16	.312	6

Flat Tip

	Stock No.	#		A	B
Flat Tip	SDM311B	.026" x .122"	1/4	.187	1 15/16
	SDM312B	.028" x .134"	1/4	.187	1 15/16
	SDM313B	.032" x .154"	1/4	.187	1 15/16
	SDM314B	.034" x .187"	1/4	.187	1 15/16
	SDM315A	.036" x .215"	1/4	.234	1 15/16
	SDM316A	.038" x .250"	1/4	.234	1 15/16
	SDM317A	.042" x .275"	1/4	.234	1 15/16
	SDM318A	.046" x .312"	1/4	.234	1 15/16
	SDM319A	.050" x .360"	1/4	.234	1 15/16
	SDM411B	.026" x .122"	1/4	.234	3
	SDM412B	.028" x .134"	1/4	.187	3
	SDM413B	.032" x .154"	1/4	.187	3
	SDM414A	.034" x .187"	1/4	.187	3
	SDM415A	.036" x .215"	1/4	.250	3
	SDM416A	.038" x .250"	1/4	.234	3
	SDM417A	.042" x .275"	1/4	.234	3
	SDM418A	.046" x .312"	1/4	.234	3
	SDM419A	.050" x .360"	1/4	.234	3
	SDM511A	.026" x .122"	1/4	.187	3 1/2
	SDM512A	.028" x .134"	1/4	.187	3 1/2
	SDM513A	.032" x .154"	1/4	.187	3 1/2
	SDM514A	.034" x .187"	1/4	.187	3 1/2
	SDM515A	.036" x .215"	1/4	.234	3 1/2
	SDM516A	.038" x .250"	1/4	.234	3 1/2
	SDM517A	.042" x .275"	1/4	.234	3 1/2
	SDM518A	.046" x .312"	1/4	.234	3 1/2
	SDM519A	.050" x .360"	1/4	.234	3 1/2
	SDM614	.034" x .187"	1/4	.187	6
	SDM616	.038" x .250"	1/4	.234	6



SDM361IA

Phillips ACR® Installer Bits

Stock No.	#		A	B
SDM361IA	#1	1/4	.187	1 15/16
SDM362IA	#2	1/4	.234	1 15/16
SDM363IA	#3	1/4	.234	1 15/16



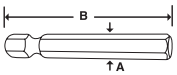
SDM361RA

Phillips ACR Removal Bits

Stock No.	#		A	B
SDM361RA	#1	1/4	.187	1 15/16
SDM362RA	#2	1/4	.234	1 15/16
SDM363RA	#3	1/4	.234	1 15/16

TORX®

	Stock No.	#		A	B
TORX	SDMT307A	T7	1/4	.140	1 15/16
	SDMT308A	T8	1/4	.140	1 15/16
	SDMT309A	T9	1/4	.140	1 15/16
	SDMT310A	T10	1/4	.140	1 15/16
	SDMT315A	T15	1/4	.140	1 15/16
	SDMT320A	T20	1/4	.203	1 15/16
	SDMT325B	T25	1/4	.203	1 15/16
	SDMT327A	T27	1/4	.203	1 15/16
	SDMT330A	T30	1/4	.250	1 15/16
	SDMT340A	T40	1/4	.250	1 15/16
	SDMT407	T7	1/4	.140	2 3/4
	SDMT408	T8	1/4	.140	2 3/4
	SDMT409	T9	1/4	.140	2 3/4
	SDMT410	T10	1/4	.140	2 3/4
	SDMT415	T15	1/4	.140	2 3/4
	SDMT420	T20	1/4	.203	2 3/4
	SDMT425	T25	1/4	.203	2 3/4
	SDMT427	T27	1/4	.203	2 3/4
	SDMT430	T30	1/4	.250	2 3/4
	SDMT440	T40	1/4	.250	2 3/4
	SDMT507	T7	1/4	.140	3 1/2
	SDMT508	T8	1/4	.140	3 1/2
	SDMT509	T9	1/4	.140	3 1/2
	SDMT510	T10	1/4	.140	3 1/2
	SDMT515	T15	1/4	.140	3 1/2
	SDMT520	T20	1/4	.203	3 1/2
	SDMT525	T25	1/4	.203	3 1/2
	SDMT527	T27	1/4	.203	3 1/2
	SDMT530	T30	1/4	.250	3 1/2
	SDMT540	T40	1/4	.250	3 1/2
	SDMT607	T7	1/4	.140	6
	SDMT608	T8	1/4	.140	6
	SDMT609	T9	1/4	.140	6
	SDMT610	T10	1/4	.156	6
	SDMT615	T15	1/4	.156	6
	SDMT620	T20	1/4	.187	6
	SDMT625	T25	1/4	.234	6
	SDMT627	T27	1/4	.250	6
	SDMT630	T30	1/4	.250	6
	SDMT640	T40	1/4	.250	6





SDM351B

Pozidriv®, inches

Stock No.	#		A	B
SDM351B	#1	1/4	.187	1 15/16
SDM352B	#2	1/4	.234	1 15/16
SDM353B	#3	1/4	.234	1 15/16
SDM451A	#1	1/4	.187	2 3/4
SDM452A	#2	1/4	.234	2 3/4
SDM453A	#3	1/4	.234	2 3/4
SDM551A	#1	1/4	.187	3 1/2
SDM552A	#2	1/4	.234	3 1/2
SDM553A	#3	1/4	.234	3 1/2
SDM651A	#1	1/4	.187	6
SDM652A	#2	1/4	.234	6
SDM653A	#3	1/4	.234	6



SDMTR325



SDMTS302

Tamper-Resistant TORX®

Stock No.	#	Length, inches
SDMTR308	T8	1 15/16
SDMTR310	T10	1 15/16
SDMTR315	T15	1 15/16
SDMTR320	T20	1 15/16
SDMTR325	T25	1 15/16
SDMTR327	T27	1 15/16
SDMTR330	T30	1 15/16

Square

Stock No.	#	Length, inches
SDMTS301	#1	1 15/16
SDMTS302	#2	1 15/16
SDMTS601	#1	6
SDMTS602	#2	6



SDMM3702



SDM3704

Hex, mm

Stock No.	mm	A	B
SDMM3702	2	.09	1 15/16
SDMM37025	2.5	.11	1 15/16
SDMM3703	3	.13	1 15/16
SDMM3704	4	.18	1 15/16
SDMM3705	5	.22	1 15/16
SDMM3706	6	.27	1 15/16
SDMM3707	7	.31	1 15/16
SDMM3708	8	.36	1 15/16
SDMM3710	10	.45	1 15/16

Hex, inches

Stock No.	#		A	B
SDM3704	1/16	1/4	.115	1 15/16
SDM3705	5/64	1/4	.234	1 15/16
SDM3706	3/32	1/4	.234	1 15/16
SDM3707	7/64	1/4	.234	1 15/16
SDM3708	1/8	1/4	.234	1 15/16
SDM3709	9/64	1/4	.234	1 15/16
SDM3710	5/32	1/4	.234	1 15/16
SDM3712	3/16	1/4	.234	1 15/16
SDM3714	7/32	1/4	.250	1 15/16
SDM3716	1/4	1/4	.250	1 15/16
SDMA4708	1/8	5/16	.234	3
SDMA4710	5/32	5/16	.234	3
SDMA4712	3/16	5/16	.234	3
SDMA4714	7/32	5/16	.281	3
SDMA4716	1/4	5/16	.281	3
SDMA4720	5/16	5/16	.312	3
SDMA4724	3/8	5/16	.312	3

⚠WARNING

- Do not use bits with impact drivers
- Read safety precautions on pages W1 to W4

AWLS, HOOKS AND PICKS



SGASA104BR

Awls and Hooks/Soft Grip

- Use for scribing, alignment, O-ring removal, piercing holes in leather or fabric and cleaning crevices

Set Contains: SGASA104BR

Red	Description	Blade Length, inches	Overall Length, inches	Red
SG4ASABR	Awl	3 3/4	8	•
SG4ASHBR	Hook Tool	3 3/4	8	•
SG5ASABR	Awl	4 3/4	9 5/8	•
SG7ASABR	Awl	5	10 5/8	•

Set includes storage tray.



SGASA204AO

Miniature Awls, Hooks and Picks/Soft Grip

- Use for scribing, alignment, O-ring removal, piercing holes in leather or fabric and cleaning crevices
- 3 1/8" blade length, 6" long

Set Contains: SGASA204A, SGASA204AO, SGASA204AG

Red	Orange	Green	Description	Red	Orange	Green
SG3ASABR	SG3ASABO	SG3ASABG	Mini-Awl	•	•	•
SG3ASHBR	SG3ASHBO	SG3ASHBG	Mini-Hook	•	•	•
SG3ASH45BR	SG3ASH45BO	SG3ASH45BG	Mini-Pick, 45° tip	•	•	•
SG3ASH90BR	SG3ASH90BO	SG3ASH90BG	Mini-Pick, 90° tip	•	•	•

Sets include storage tray.



SGLASA204G

Hard Grip Handle Colors

Red	Orange	Green
R	O	G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

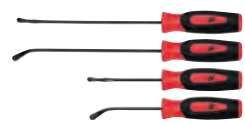
Long Small Size Awls, Hooks and Picks/Soft Grip

- Use for scribing, alignment, O-ring removal, piercing holes in leather or fabric and cleaning crevices
- Blade length 8", 9 23/32" overall length

Set Contains: SGLASA204A, SGLASA204AO, SGLASA204AG

Red	Orange	Green	Description	Red	Orange	Green
SGL3ASABR	SGL3ASABO	SGL3ASABG	Long Mini-Awl	•	•	•
SGL3ASHBR	SGL3ASHBO	SGL3ASHBG	Long Mini-Hook	•	•	•
SGL3ASH45BR	SGL3ASH45BO	SGL3ASH45BG	Long Mini-Pick, 45° tip	•	•	•
SGL3ASH90BR	SGL3ASH90BO	SGL3ASH90BG	Long Mini-Pick, 90° tip	•	•	•

Set includes storage tray.



SGSR104AR

Hard Grip Handle Colors

Red	Orange	Green
R	O	G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS



SH6ASA

Awl/Hard Grip

Stock No.	Blade Length, inches	Overall Length, inches
SH6ASA	4 3/4	6 5/8

Seal Removal Tools/Soft Grip

Set Contains: SGSR104AR, SGSR104AO, SGSR104AG

Red	Green	Orange	Tip Style	Blade Length, inches	Overall Length, inches	Red	Orange	Green
SGSR1AR	SGSR1AG	SGSR1AO	Spoon	5 1/4	8	•	•	•
SGSR2AR	SGSR2AG	SGSR2AO	Spoon	2 1/2	5 11/32	•	•	•
SGSR3AR	SGSR3AG	SGSR3AO	Contoured	2 1/2	5 11/32	•	•	•
SGSR4AR	SGSR4AG	SGSR4AO	Contoured	5 1/4	8	•	•	•



PSLR6



PSLR4LT

Picks and Scribes/Extra Long (Blue-Point®)

- Use to separate wires, remove small fuses and O-rings, retrieve washers and/or to mark metal or plastic surfaces
- Heavy duty shank diameter is 0.02" thicker than standard picks for added durability and extended tool life
- Each pick is 9 3/4" (247.7 mm) long

Stock No.	Description	Set Contains: PSLR4	PSLR6
PSLR4-1	Hook Pick	•	•
PSLR4-2	90° Hook Pick	•	•
PSLR4-3	Straight Pick	•	•
PSLR4-4	Complex Pick	•	•
PSLR4-5	Combination Pick		•
PSLR4-6	Double Angle Pick		•

Sets include vinyl storage pouch

Picks and Scribes/Extra Long/Lighted (*Blue-Point*)

- LED lighted hook and pick set allows easier viewing in dark and hard-to-reach areas
- Made of durable carbon heat-treated steel
- Ergonomic soft grip contoured handle
- Each pick measures 9 3/4" long (247.7 mm)
- Push button LED switch on end of handle
- Each pick requires three LR41 batteries (included). Replacement battery P/N RSND384392PK (one battery)

Stock No.	Description	Set Contains: PSLR4LT
PSLR4LT-1	Hook Pick	•
PSLR4LT-2	90° Hook Pick	•
PSLR4LT-3	Straight Pick	•
PSLR4LT-4	Complex Pick	•

Picks and Scribes/Interchangeable

- Quick-change collet allows picks and hooks to be interchanged fast and without tools
- Six LEDs illuminate dark work areas
- Black oxide finish protects the strong chrome-vanadium steel shafts
- Includes PSLRQC4LT-1 – PSLRQC4LT-4 picks/hooks, durable roll-up nylon pouch and three AAA batteries



PSLRQC4LT

Stock No.	Description	Set Contains: PSLRQC4LT
PSLRQC4LT-1	Straight Pick	•
PSLRQC4LT-2	Complex Pick	•
PSLRQC4LT-3	90° Pick	•
PSLRQC4LT-4	Hook Pick	•



YA145



YA149



YA339



YA338

Picks and Scribes (*Blue-Point*)

Stock No.	Description	Overall Length, inches (assembled to handle)	Set Contains: YA145	YA149
YA145-1	Straight Tip Pick	7.26	•	
YA145-2	O-Ring, 90° Tip Pick	7.20	•	
YA145-3	Hook Tip Pick	7.30	•	
YA145-4	Angle Tip Pick	7.34	•	
YA149-1	Straight Pointed Pick	—		•
YA149-2	Curved With 90° Point Pick	—		•
YA149-3	45° with Flat Tip Pick	—		•
YA149-4	90° Pointed Pick	—		•
YA149-5	Double Ended Short Pick	—		•
YA149-6	Double Ended Long Curve Pick	—		•
YA149-7	Half Circle Pointed Pick	—		•

YA338 Scribe
- One straight end, one hooked end for picking O-rings and small parts

YA339 Scribe
- One straight end and one 90° angle end for detail work around small objects

WARNING • Read safety precautions on pages W1 to W4

PRYBARS



PPN300

Prying/Smoothing Tools

- Intended for spreading/smoothing epoxy, adhesives and silicone uniformly
- Other uses include: cleaning small parts, removing/installing O-rings and gaskets, prying dashboard parts and vents, and prying apart electronic key fobs to access the battery for replacement

Stock No.	Length, inches	Tip Profile	Set Contains: PPN300
PPN1030	7	Narrow	•
PPN2040	7	Medium	•
PPN4050	7	Wide	•



PBFG415

PBFG415 Fiberglass Prybar

- Drop forged rust -resistant, hardened steel wedge end is chemically bonded to fiberglass handle
- 50,000 strands of fiberglass are sleeved by a polypropylene jacket for comfort and variable hand placement during use
- About one-half the weight of a steel prybar of the same length and less flexible than a steel prybar for greater leverage
- Polypropylene sleeve is resistant to heat and cold for greater comfort in all temperatures

Heavy Duty/Striking Crown Handle

- Durable crown handle offers protection from off center hammer strikes
- Handle is 10 3/8" long for a comfortable, secure grip (long handle ensures that two hands can fit for high leverage applications)
- Cylindrical design with taper allows user to find a comfortable grip regardless of hand size



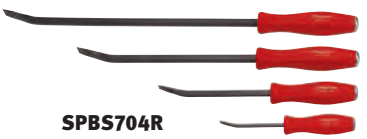
SPBH48R

- 3/4" square bar manufactured from special alloy steel, precision forged and heat treated for optimum strength and durability
- High leverage flared tip (1 1/8") with precision ground edge
- Handle resists extreme temperatures

Stock No.	Handle Color	Square Shank, inches	Tip Width, inches	Length, inches
SPBH30R	Red	3/4	1 1/8	30
SPBH30G	Green	3/4	1 1/8	30
SPBH30O	Orange	3/4	1 1/8	30
SPBH48R	Red	3/4	1 1/8	48
SPBH48O	Orange	3/4	1 1/8	48
SPBH48G	Green	3/4	1 1/8	48
SPBH54R	Red	3/4	1 1/8	54
SPBH54O	Orange	3/4	1 1/8	54
SPBH54G	Green	3/4	1 1/8	54

Standard Duty/Striking Handle

- Ergonomic shape and contour handle matched to blade length for optimum leverage
- Blade extends through handle and makes contact with end cap to provide solid striking force
- Metal end cap allows hammer striking while reducing chance of damage to handle
- High leverage design with smooth radius head provides maximum leverage when lifting and pulling back



SPBS704R

- Blade manufactured from special alloy steel, precision forged and heat treated for strength and durability
- Industrial finish to protect against corrosion

Black	Red	Orange	Green	Square Shank, inches	Tip Width, inches	Length, inches	Set Contains: SPBS704	SPBS704R	SPBS704O	SPBS704G
SPBS8	SPBS8R	SPBS8O	SPBS8G	1/4	7/16	8	•	•	•	•
SPBS12	SPBS12R	SPBS12O	SPBS12G	3/8	5/8	12	•	•	•	•
SPBS18	SPBS18R	SPBS18O	SPBS18G	7/16	23/32	18	•	•	•	•
SPBS24	SPBS24R	SPBS24O	SPBS24G	7/16	13/16	24	•	•	•	•
SPBS36	SPBS36R	SPBS36O	SPBS36G	5/8	1 1/8	36 5/8				
–	SPBS42R	SPBS42O	–	5/8	1 1/8	42 1/4				

Demolition Chisels/Crown Handle

- Exclusive crown handle offers protection from off-center hammer strikes
- Handle provides a comfortable secure grip in a variety of environments
- Engineered composite handle offers excellent temperature resistance and bar retention

Stock No.	Handle Color	Hex Shank, inches	Tip Width, inches	Length, inches
SPDC18R	Red	3/4	1 1/8 Double Edge	18
SPDC18G	Green	3/4	1 1/8 Double Edge	18
SPDC18O	Orange	1	1 1/8 Double Edge	18



SPDC18R

Striking/40° Offset Blade

Stock No.	Handle Length, inches	Exposed Bar Length, inches	Square Shank, inches	Tip Width, inches	Tip Type
MPBS1140O	5 1/2	5 1/2	3/8	3/8	Straight

MPBS1140O Prybar/Brake Tool

- Strong 3/8" square alloy steel bar with straight tip
- 11" total length with 40° offset ensures access into tight wheel wells
- Large, comfortable, high-visibility orange handle with striker cap allows good grip versus small, hard-to-hold brake adjustment tools
- Ideal for general prybar applications



MPBS1140O

Striking/Straight Blade

Stock No.	Square Shank, inches	Tip Width, inches	Length, inches	Set Contains: MPBS703
MPBS12	3/8	5/8	12	•
MPBS24	7/16	13/16	24	•
MPBS36	5/8	1 1/8	36 5/8	•



MPBS703

Multi-Position

- Each prybar features 17 incremental angles of 15° to provide great flexibility
- High-leverage design with smooth radius head provides maximum leverage when lifting
- Manufactured from special alloy steel, precision-forged and heat-treated for strength and durability
- Industrial finish helps protect against corrosion

Stock No.	Tip Width, inches	Length, inches	Set Contains: PBMP703A
PBMP8A	1/2	8	•
PBMP12A	5/8	12	•
PBMP16A	5/8	16	•
PBMP24A	1	24	
PBMP36A	1	36	



PBMP703A

Non-marring Prybars

- Made from tough, reinforced nylon
- Ideal for removing clips, fasteners, molding or gaskets from interior/exterior applications
- Will not damage delicate surfaces unlike metal removal tools
- Lightweight and resistant to most automotive fluids
- Block end allows use with hammer

Stock No.	Length	Tip Width	Tip Profile	Set Contains: PBN500
PBN1	6 3/4	5/8	Narrow Wedge	•
PBN2	6 3/4	15/16	Wide Wedge	•
PBN3	6 3/4	7/8	Narrow Fork	•
PBN5	6 3/4	1 3/16	Wide Fork	•
PBN7	6 3/4	1 3/8	Flat Fork	•



PBN500



PBN1

⚠WARNING

• Read safety precautions on pages W1 to W4

PRYBARS



PBHG48



PBHC48



NPB124B



PBS704



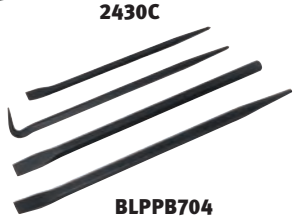
3260B



7030A



2430C



BLPPB704

Heavy Duty

- Bars feature a rubber grip that eliminates contact with rust and damaged surfaces and protects the bar from damage during transit
- Grip offers a non-slip surface that provides a secure gripping surface/ leverage, when hands are wet, sweaty or oil covered

Stock No.	Tip Style	Weight, lb	Radius Curves, inches	Length, inches	Diameter, inches
PBHG48	1 1/2" Offset Chisel, 2 1/4" Offset Claw	9.5	5 1/8	48	1" Hex
PBHC48	1 1/8" Straight Chisel, 2" Offset Chisel	11.25	—	48	1" Hex
PBHC60	1 1/8" Straight Chisel, 2" Offset Chisel	14.25	—	60	1" Hex

PBHC1 - 48" Replaceable rubber grip.

Wrecking Bar (Blue-Point®)

- Slotted claw on "gooseneck" end and a chisel configuration on opposite end

Stock No.	Sq. Stock, inches	Length, inches
NPB124B	3/4	24

Prybars

- "Rolling head" acts as fulcrum and provides leverage
- Pointed end is useful in many aligning applications

Stock No.	Sq. Stock, inches	Length, inches	Set Contains: PBS704
650	5/16	6	•
1250	7/16	12	•
1650	9/16	16	•
2050	11/16	20	•

Slate Bar (*Blue-Point*)

Stock No.	Sq. Stock, inches	Edge, inches	Length, inches
3260B	1	1/2	60

Close Quarter Bars (*Blue-Point*)

- Powerful leverage where space is at a premium
- Ideal for aligning molds

Stock No.	Sq. Stock, inches	Tip Width, inches	Length, inches
7030A	3/8	7/16	9
7031A	1/2	9/16	16
7032	5/8	3/4	18

Pinch Bars (*Blue-Point*)

- Pinch bar has a tapered point on one end and a chisel type edge on the other

Stock No.	Sq. Stock, inches	Edge, inches	Length, inches
1412A	1/2	5/8	14
1658C	1/2	5/8	16
2420A	3/4	15/16	20
2430C	3/4	5/8	30
2438C	3/4	7/8	38
2842C	7/8	1	42

BLPPB704 Prybar Set
Includes 1412A (14") and 2420A (20") Pinch Bars, 7031A Close Quarter Bar (16") plus BPPC1878 Flat Chisel (18")

Die Setter Bars (*Blue-Point*)

- Designed for separating, scraping or prying

Stock No.	Sq. Stock, inches	Tip Width, inches	Length, inches
7035	5/8	7/16	18
7037	3/4	9/16	30

Utility Bars (*Blue-Point*)

UB222PK Miniature Utility Bar
- 5 3/8" length • Pack of ten



7035



UB222PK

Prybar Rack

KR294AAPV
Hang-On Prybar Rack
- Hang up to four prybars or long tools with handles
- Notched angle plate keeps tools from shifting
- Suspend from roll cab or tool chest with 1/4" or more lip



KR294AAPV

GRIP OR CUT. ALWAYS A CUT ABOVE.

All Snap-on® pliers and cutters undergo a precision manufacturing process to provide the quality and performance the job demands.

Alloy Steel — Every set of pliers and cutters is made with our special alloy steel.

Cold-Forged Process — Increased strength from top to bottom.

Joints — Positioned close to the cutting edge, making it much easier to cut heavy wire with less user fatigue.

TALON GRIP™ SERIES

Diamond serrated jaws provide a better grip and increased pulling power.

Ramped tips provide stronger jaws and increased accessibility.

Longer contoured handle with new joint location provides higher leverage and increased comfort.

Rounded jaw edges minimize nicks to wires when making loops or bends.

VECTOREDGE™ BLADE TECHNOLOGY

Parallel blades designed to ensure full, clean cuts of all materials – from fine wire and cable ties, to hardened music wire and spring steel, at all locations along the cutting edges.

Precision machining delivers superior edge properties and performance producing hassle-free cuts of smaller soft materials and wire.

VectorEdge pliers employ a high-leverage design by positioning the joint closer to the blades.

After thousands of cuts through hardened music wire, cutting edges remain aligned and still provide clean and easy cuts.



PLIERS/CUTTERS SETS



PL300CF



PLR300



PL400B



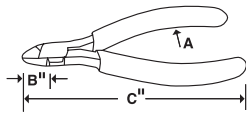
102LHCP

Pliers and Cutters Sets

Stock No.	Description	Set Contains: PL300CF	PLR300	PL400B	102LHCP	Talon Grip™	Long Reach
96ACF	Needle Nose Pliers	•		•		•	
97CF	Needle Nose Pliers, 8”		•				
915CP	Needle Nose Pliers				•		•
415CP	Needle Nose Pliers, 35° Bent Nose				•		•
47CF	Combination Slip Joint Pliers	•		•		•	
91ACP	Adjustable Joint Pliers			•			
57AHLP	Lineman’s Pliers		•				
86CF	Diagonal Cutters		•				
87ACF	Diagonal Cutters						

See product details on following pages

Sets include storage tray



Standard Diagonal Cutters

- Quality forged steel ensures tools that will provide years of service
- Differential heat treatment produces the strength and toughness in desired areas to withstand repeated tough cutting jobs
- Handles are designed for comfort and to deliver leverage needed to tackle demanding jobs

	Stock No.	Description	Handle Style (A)	Jaw Length, inches (B)	Length, inches (C)
Standard Diagonal	184CF	Diagonal Cutters	Bowed	13/32	4 3/4
	85CF	Cutter	Bowed	9/16	5
	86EP	Pistol Grip Cutter	Pistol	3/4	6 5/16
	86CF	Diagonal Cutters	Bowed	3/4	6 5/16
	87ACF	Diagonal Cutters	Bowed	13/16	7 3/8


85CF


86CF


86EP


87ACF

Diagonal Cutters

- Ergonomic contour cushion grip handle provides up to 22% increased cutting leverage for superior comfort and control
- Induction hardened, precision sharpened, offset cutting edges produce a shearing cut (not a pinching cut) to stay sharp longer and cut with less effort
- Differential heat treatment produces strength and toughness

	Stock No.	Description	Handle Style (A)	Jaw Length, inches (B)	Lenght, inches (C)
High Leverage Diagonal	388CF	High Leverage Cutter	Bowed	1 1/16	8 5/16
Diagonal Cutters	312CP	High Leverage Cutter	Long Handle	1 1/8	11
	808ACP	Mini	Bowed	9/16	6 15/16


388CF


312CP

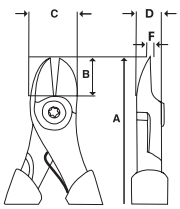
312CP Heavy Duty Diagonal Cutter

- 11" length provides maximum reach and access
- Offset jaws easily make flush cuts
- Offset cutting edge produces a shearing cut (not a pinching cut) to stay sharp longer and cut with less effort
- Bowed nonslip handle design for increased leverage and comfort


808ACP

Special Purpose Cutter

- Manufactured from 1% carbon/chrome ball bearing steel to provide strength without brittleness
- Adjustable screw joint minimizes friction and maximizes cutting edge alignment
- Precision hardened cutting edge provides superior durability
- Unique jaw design of the EPC160 makes it ideal for cutting plastic, rubber and vinyl



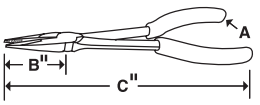
Stock No.	Description	Length, inches (A)	Cutting Edge Length, inches (B)	Jaw Width, inches (C)	Jaw Thickness, inches (D)	Tip Width, inches (F)
EPC160	Plastic and Cable Cutter	6.3	0.7	0.85	0.39	0.059

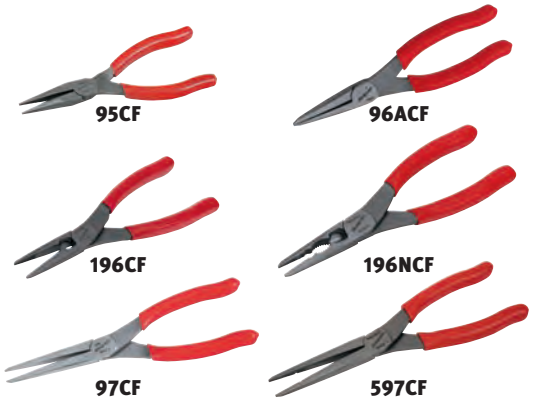

EPC160

⚠WARNING

- Plastic coated handles on these pliers and cutters do not protect against electric shock
- Read safety precautions on pages W1 to W4

NEEDLE NOSE/LONG/SPECIAL PURPOSE



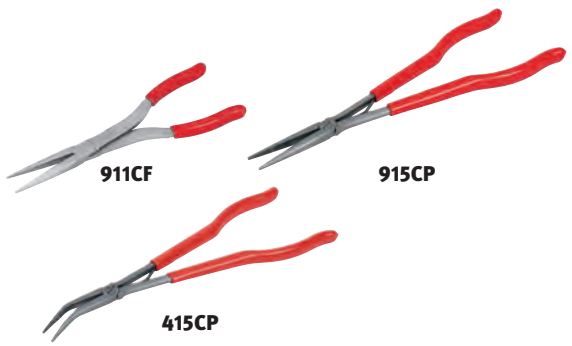


Needle Nose Pliers

- Rounded jaw edges minimize nicks to wire when making loops or bends
- Jaw tips are perfectly aligned and feature machined teeth for precise gripping strength with positive control

Stock No.	Description	B	C	Set Contains: Talon Grip™
95CF	Needle Nose	1 11/16	6	
96ACF	Needle Nose Pliers	2 1/4	8	•
196CF*	Long Needle Nose	2 1/4	8	•
196NCF*	Long Needle Nose	2 1/4	8	•
97CF	Needle Nose Pliers, 8"	3 3/16	9	
597CF**	Pin Gripping	3 3/16	9	

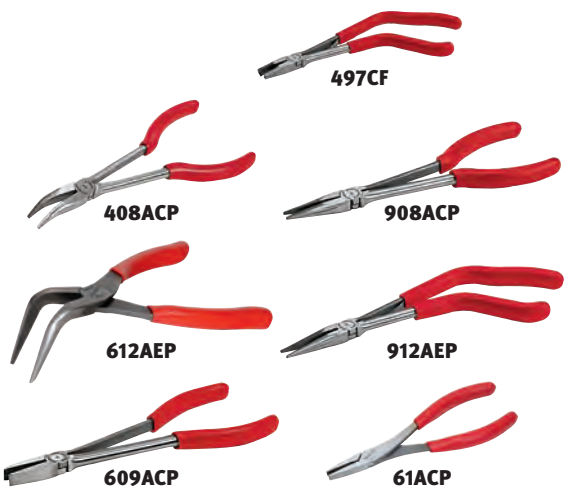
*Rated to cut .049" diameter music wire
**Jaws feature matched parallel and cross grooves



Long Reach Pliers

- Long, slim jaws and flush riveted joints for increased reach into recessed areas
- Ideal for electric and electronic work, holding pins or small components

Stock No.	Description	B	C
911CF	Needle Nose Pliers	3 3/16	11
915CP	Needle Nose Pliers	3 1/2	14 1/2
415CP	Needle Nose Pliers, 35° Bent Nose	2 7/8	14 5/16
411CF	35° Bent	2 7/8	10 7/8

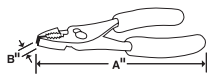


Special Purpose Pliers

- Bent Nose Pliers – Angled jaws for better access to hard-to-reach areas
- Pistol Grip – Angled handle for access to hard-to-reach areas
- Duck Bill – Specially designed for electronics work

	Stock No.	Description	B	C
Bent	497CF	90° Angle Jaws	3 3/16	7 1/4
	490CF	90° Bent	1 7/8	9 3/4
	408ACP	35° Mini Bent	1 1/2	7 7/8
Straight	908ACP	Mini	1 5/8	8 1/8
Pistol Grip	612AEP	Pistol Grip	1 3/8	9 3/4
	912AEP	Pistol Grip	2 1/8	10 5/8
Duck Bill	609ACP	3/8" Jaw Width	1 3/8	9 1/4
	61ACP	15/32" Jaw Width	1 5/16	7 3/4

Combination Slip Joint Pliers



- Slip joints for adjustable jaw width

Stock No.	Description	Length, inches (A)	Jaw Thickness, inches (B)	Talon Grip™	Shear Cutter
44CF	Combination Slip Joint	4 1/2	15/64		
46CF	Combination Slip Joint	6 7/16	23/64		
47CF*	Combination Slip Joint	8 1/4	7/16	•	
49CF	Combination Slip Joint	9 1/4	1/2		
137CF*	Heavy Duty Combination Slip Joint	8 3/16	27/64	•	•

*Third position gives a wider jaw spread for tough-to-get-ahold-of jobs


44CF


47CF


137CF

Special Purpose Pliers

- High Leverage Combination Pliers require 1/4 the effort normally needed for cutting/gripping
- Midget Pliers with serrated jaws are ideal for extremely small work

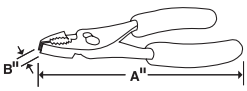
Stock No.	Description	Length, inches (A)	Jaw Thickness, inches (B)
HL138ACP	High Leverage Combination	7 7/8	1 1/16
5ACP	Midget Pliers	4 3/4	1/4


HL138ACP


5ACP

LINEMAN'S

Lineman's Pliers



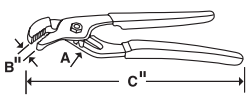
- Machined cutter heads for perfectly matched blades
- Induction hardened head for extra strength and durability
- Gripper teeth behind the head can be a useful crushing area

Stock No.	Description	Length, Inches (A)	Jaw Thickness, inches (B)
57AHLP	Lineman's Pliers	7 3/8	1/2
59AHLP	Lineman's Pliers	9 1/4	1/2


57AHLP

ADJUSTABLE JOINT





AWP404


CHN410

Tongue and Groove Pliers

- Special tongue and groove design assures non-slip jaw action
- Unique fastener system inhibits side-to-side jaw wobble for added strength and smoother operation

Stock No.	Description	A	B	C	Set Contains: AWP404
AWP45	Straight Serrated Jaws	3	1/2	4 3/4	•
AWP65	Straight Serrated Jaws	5	7/8	7	•
AWP120	Straight Serrated Jaws	7	2 3/16	12 3/4	•
AWP160	Adjustable Joint, Tongue & Groove Pliers	8	3 13/16	16 3/4	•
CHN410*	Parrot Jaws	5	1 1/2	10 1/8	

*Blue-Point®

Set shown includes storage tray


91ACP

Standard Pliers

- Specially hardened jaw teeth provide long life and a solid grip on work objects
- Vinyl covered handles for a secure, comfortable grip

Stock No.	Description	A	B	C
91ACP	Adjustable Joint Pliers	5	1 3/8	9 1/4

⚠WARNING

- Plastic coated handle s on these pliers and cutters do not protect against electric shock
- Read safety precautions on pages W1 to W4

LOCKING PLIERS



LP404



LP5SLIM



LP7SLIM



LP6LN



LP10WR



LP10GRV



BLP7



BLP404



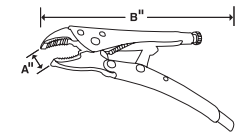
BSGLP6LN



BSGLP404

A "V" groove houses round objects, preventing lateral movement.





LP Series

- Spring loaded release lever allows quick "no-pinch" release
- Locking nut secures jaw opening for repeat jobs
- Larger jaw capacity to hold larger objects
- Jaws feature greater surface area and broader teeth for more secure gripping

Stock No.	Description	Jaw Capacity, inches (A)	Length, inches (B)	Set Contains: LP404
LP5SLIM	Thin Curved Jaw	1 5/32	5	
LP7SLIM	Thin Curved Jaw	1 5/8	7	
LP5WR	Curved Jaw w/cutter	1 5/32	5	•
LP6LN	Long Nose	2 1/8	6	•
LP7WR	Curved Jaw w/cutter	1 5/8	7	•
LP10WR	Curved Jaw w/cutter	2 7/16	10	•
LP7R	Straight Jaw	1 5/8	7	
LP10R	Straight Jaw	2 7/16	10	
LP10LN	Long Nose	2 3/4	10	
LP10GRV	10" Grooved Joint Locking Pliers	1 5/8	10	

LP5SLIM, LP7SLIM Locking Pliers

- Use for removal of socket style sway bar links
- Thinner jaws fit between stabilizer bar and stabilizer link to allow a socket to be used for nut removal
- **LP7SLIM Applications:** 2002–2004 Dodge® Caravans, Chrysler® Town and Country and any other vehicles with non-greaseable sway bar links

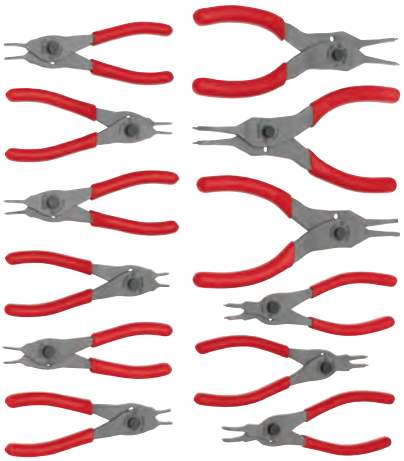
LP10GRV Grooved Jaw Locking Pliers

- Longitudinal V groove section provides three points of contact preventing lateral movement while working
- Specially tapered groove means the larger the work piece, the larger the groove section that holds it
- Convex tooth section of mobile jaw pushes flat work pieces against the large, flat fixed jaw for tighter clamping
- Recessed area of mobile jaw allows angled objects to be held and clears small obstacles
- Serrated milled teeth provide a positive grip on different shaped objects

Locking Pliers (Blue-Point®)

- Made from high grade, heat-treated steel alloys, the hardened precision ground jaws "lock" onto work pieces that are tough to hold
- Adjusting screws ensure fine adjustments for precise gripping
- Soft grip series improves comfort while resisting damage from oil and grease

Stock No.	Description	Grip Style	Jaw Capacity, inches (A)	Length, inches (B)	Set Contains: BLP404	BSGLP404
BLP5	Curved Jaw	Standard	1.125	5	•	
BLP7	Curved Jaw	Standard	1.625	7	•	
BLP10	Curved Jaw	Standard	1.875	10	•	
BLP6LN	Long Nose	Standard	2.25	6	•	
BSGLP5	Curved Jaw	Soft	1.125	5		•
BSGLP7	Curved Jaw	Soft	1.625	7		•
BSGLP10	Curved Jaw	Soft	1.875	10		•
BSGLP6LN	Long Nose	Soft	2.25	6		•



SRPC112



SRPC3845



SRPC4700



SRPC3890

Fixed Tip/Convertible, Forged Pliers

- Longer 45° and 90° jaws make it easier to access hard to reach retaining rings
- Pivot screw converts pliers from internal to external
- Wide cushion grip provides more comfort and control

Stock No.	Length, inches	Ring Size Range, inches	Jaw Angle	Tip Diameter, inches	Set Contains: SRPC112	SRPC107	SRPC105
SRPC3800	6 7/16	1/8–1	0°	.038	•	•	•
SRPC4700	6 7/16	3/16–1 3/8	0°	.047	•	•	•
SRPC7000	7 7/16	7/16–2	0°	.070	•	•	•
SRPC9000A	8 3/4	1 1/2–3 1/2	0°	.090	•		
SRPC3845	6 7/16	1/8–1	45°	.038	•		
SRPC4745	6 7/16	3/16–1 3/8	45°	.047	•		
SRPC7045	7 7/16	7/16–2	45°	.070	•	•	
SRPC9045A	8 3/4	1 1/2–3 1/2	45°	.090	•	•	
SRPC3890	6 7/16	1/8–1	90°	.038	•		•
SRPC4790	6 1/2	3/16–1 3/8	90°	.047	•		
SRPC7090	7 1/2	7/16–2	90°	.070	•	•	•
SRPC9090A	8 3/4	1 1/2–3 1/2	90°	.090	•	•	

ASME®/ANSI® B107.500

Sets shown include storage tray



PRH406

Fixed Tip/Convertible Pliers

Unique dial feature eliminates the need to take apart pliers when changing from internal to external.

Stock No.	Length, inches	Ring Size Range, inches	Jaw Angle	Tip Dianmeter, inches	Set Contains: PRH406
PRH12	5 3/4	1/8–1	18°	.038	•
PRH32	6	5/16–1 3/8	18°	.047	•
PRH34	7 1/2	7/16–2	18°	.070	•
PRH129	5 3/4	1/8–1	90°	.038	•
PRH329	5 7/8	5/16–1 3/8	90°	.047	•
PRH349	7 1/2	7/16–2	90°	.070	•

ASME/ANSI B107.500

Sets shown include storage tray

⚠WARNING

- Plastic coated handles on these pliers and cutters do not protect against electric shock
- Read safety precautions on pages W1 to W4

RETAINING RING Blue-Point®


PRH57A


PR7A


PR8A


PR36


PRH502A


PR54


PRH503

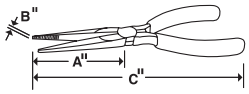

PR50A


PR215

Interchangeable Tip/Convertible Pliers

Internal	External	Length, inches	Ring Size Range, inches	Tip Kit Included	Tip Sizes Included Inches/Degree	Optional Kits	Optional Tip Sizes	Set Contains: PR36	PRH502A	PRH503	PR50A	PR215
PR37	–	6 1/4	3/8–2	**PR5 (For PR36 only)**	2 pair each in PR36 set: .047" 0°, .070" 0°, .047" 45°, .038" 90°	**PR5**	.047" 0°, .070" 0°, .047" 45°, .038" 90°	•				
–	**PR38**	6 1/4	1/4–2	–	—	**PR5**	.047" 0°, .070" 0°, .047" 45°, .038" 90°	•				
PRH56A (Convertible)	–	6 3/8	Internal 1/4–1 External 1/8–1	**PRH56A-1**	1 pair each: .023" 0°, .036" 0°, .047" 0°, .036" 90°, .047" 90°	–	—		•	•		
PRH57A (Convertible)	–	8	Internal 3/8–2 External 1/4–2	**PRH57A-1**	1 pair each: .036" 0°, .047" 0°, .070" 0°, .036" 90 °, .047" 90°	–	—		•	•		
PRC65A (Convertible)	–	10	Internal 1 13/64–4 External 1 1/3–4	**PRC65A-1**	1 pair each: .090", .108", .120" (15° and 90°)	–	—			•		
PR51	–	9 1/2	2 7/16–4	**PR502**	.108", 15°	**PR501**	.108", 0°				•	
–	–	—	—	**PR503**	.108", 45°	**PR504**	.108", 90°					
–	**PR52**	9 1/2	1 1/2–3 11/32	**PR507**	.120", 45°	**PR505**	.120", 0°				•	
–	–	—	—	**PR508**	.120", 90°	**PR506**	.120", 15°					
PR7A	–	15 11/16	3 1/16–6 1/4	**PR7A-1**	.120", 0°	**PR7A-2**	.120", 45°					•
–	–	—	—	–	—	**PR7A-3**	.120" 90°					
–	**PR8A**	15 11/16	3 1/16–6 1/4	**PR7A-1**	.120", 0°	**PR7A-2**	.120", 45°					•
–	–	—	—	–	—	**PR7A-3**	.120" 90°					
PR54	–	29	6 1/2–10	**PR54-1**	.150", 0°	**PR54-2**	.150", 45°					
–	–	—	—	–	—	**PR54-3**	.150" 90°					
–	**PR53**	19	6 1/2–10	**PR53-1**	.170", 0°	**PR53-2**	.170", 45°					
–	–	—	—	–	—	**PR53-3**	.170" 90°					

PR36 Set includes PR5 tip kit. Individual PR37 and PR38 units do not include tips and require PR5 tip kit.
PR51 and PR52 work with tip kits PR501 – PR508
PRH503-1 Replacement Case for PRH503



Snap-on® manufactured pliers with plastisol or cushion grip handles meet the electrostatic discharge (ESD) specifications in MIL-B-81705C.

- Spring jaw opening
- Cutter models have a small hole at the base of the blades to relieve pressure on the cutting edges
- Innovative cushion grip handles result in a very comfortable, yet durable handle grip


E700BCG


E703BCG


E704BCG


E708BCG


E712BCG


E713BCG


E715BCG


E718BCG


E721BCG


E770BCG


E790BCG

E Series Pliers

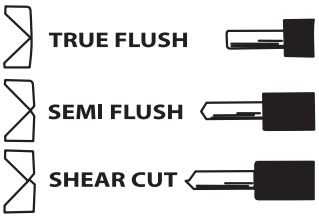
Stock No.	Description	Jaw Length, inches (A)	Tip Width, inches (B)	Length, inches (C)
E700BCG	Round Wire Looper Jaws Taper from 3/16"–1/32"	1	1/16	6 1/8
E703BCG	Long Serrated Jaws	2 3/16	1/16	6 9/16
E704BCG	Angled (45°) Serrated Jaws	2 1/4	1/16	6 5/8
E708BCG	Short Non-Serrated Jaws	13/16	1/16	5 15/16
E712BCG	Serrated Jaw	1 11/16	1/16	6 1/8
E713BCG	Short Serrated Jaws	7/8	1/16	4 5/8
E715BCG	Extra Slim Serrated Jaws	1 3/16	1/16	5 1/8
E718BCG	Curved (90°) Serrated Jaws	1 1/8	1/16	5 9/16
E721BCG	Extra-Slim Non-Serrated Jaws	1 23/32	1/16	6 7/8
E770BCG	Needle Thin Serrated Jaws	1 1/8	1/32	5
E790BCG	Flat Nose Non-Serrated Jaws	1	1/16	6 1/8

Pliers in this chart use the E74X1 Coil Replacement Spring.

⚠WARNING

- Plastic coated handles on these pliers and cutters do not protect against electric shock
- Read safety precautions on pages W1 to W4

ELECTRONIC SERVICE CUTTERS

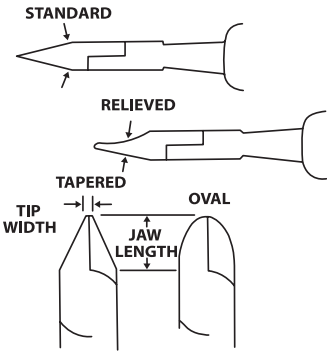


True Flush ground blades cut wire ends flat and allow protruding wire ends to be trimmed flush.

Semi Flush ground blades cut slightly pointed wire ends and can be used where an exact flush cut is not required.

Shear Cut ground blades (on standard cutters) are designed for general cutting with less hand pressure and extended blade life.

Head Shapes Always select a cutter with the largest head that will meet your requirement. The oval head design has more material behind the cutting edges and gives the longest tool life.




E706BCG


E707BCG


E709BCG


E710BCG


E711BCG


E719BCG


E740BCG

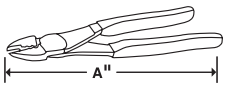

E742BCG

Cutters (E Series)

Stock No.	Cut	Head Style	Cutting Capacity	Tip Width, inches	Cutting Edge Length, inches	Length, inches
E706BCG	True Flush	End Cut	AWG #19	1/16	15/32	5 7/8
E707BCG	True Flush	Tapered	AWG #17	1/16	7/16	4 3/8
E709BCG	True Flush	Tapered	AWG #17	1/16	7/16	4 7/16
E710BCG*	True Flush	Tapered	AWG #16	3/32	11/16	5 3/16
E711BCG	Semi Flush	Tapered	AWG #12	3/16	7/16	5 3/4
E719BCG	True Flush	Tapered	AWG #17	1/16	7/16	6 3/8
E740BCG	Semi Flush	Oval	AWG #16	1/16	7/16	5 3/4
E742BCG	True Flush	Oval	AWG #16	1/16	7/16	5 3/4

These cutters use the E74X1 Replacement Spring
*E710BCG uses E71XL1 Replacement Spring, E710BCG also available as E710BCGCT Cushion Throat model

Crimpers



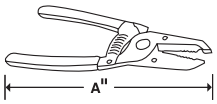
Stock No.	Description	Length, inches (A)	Crimps
29CF	Terminal Crimping Pliers with Cutter	9 3/8	10, 12, 14, 16, 18, 20, 22 AWG Insulated and Non-Insulated



29CF

29CF Cold Forged Wire Terminal Crimping Tool
- Cold formed heat treated rivet for smooth action and long life
- Precision machined joint and cutting edges, hardened wire cutter with "Knife to Anvil" design, never needs sharpening

Wire Stripper/Cutter/Crimper



Stock No.	Description	Length, inches (A)	Strips AWG Sizes
PWCS7CF	Wire Stripper/Cutter/Crimper	6 3/4	12, 14, 16, 18, 20
PWCS9	Wire Stripper/Cutter/Crimper/Bolt Cutter	8 3/4	AWG20 – 10 (stranded wire), AWG16 – 8 (solid wire)
PWCSS7CF	Wire Stripper/Cutter/Crimper	6 3/4	14 – 24 AWG



PWCS7CF

PWCS7CF Wire Stripper/Cutter/Crimper
- Unique smaller wire stripper/crimper that strips 12, 14, 16, 18 and 20 gauge insulated wire
- Crimps insulated and bare wire connectors
- Wire cutter in the jaw and handle
- Ideally suited for work in confined areas such as under dash or within electrical service enclosures



PWCS9A

PWCS9 Wire Stripper/Cutter/Crimper/Bolt Cutter
- Cold forged from special alloy steel and induction heat treated for superior performance and durability
- Bi-molded, soft grip handle provides comfort and helps reduce fatigue
- Pliers tip for grabbing or pulling wire
- Cuts #6 and #8 soft bolts
- Crimps both insulated and non-insulated terminals
- Includes shears in throat area for general cutting applications

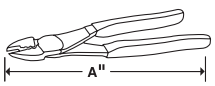


PWCSS7CF

PWCSS7CF Wire Stripper/Crimper/Cutter (7")
- Cutting wire and crimping terminals for: speaker wire, wire for navigation and entertainment systems, data wires that connect to computers, body control modules, power windows and door locks, dash gauges and running lights for boats

WIRE TOOLS Blue-Point®

Crimpers



Stock No.	Description	Length, inches (A)	Crimps
PWC30	Terminal Crimping Pliers with Cutter	10 1/4	10, 12, 14, 16, 18, 20, 22 AWG Insulated and Non-Insulated
PWC47	Computer/Sensor Terminal Crimping Tool	8	Open barrel and Wether-Pac terminals 14 – 24 AWG



PWC30



PWC47



PWC34

Ratcheting Crimpers

PWC48 Ratcheting Crimper Kit
- Versatile quick change jaw system allows work on many kinds of terminals
- Exclusive patented quick installation for easy jaw change, no tools required
- Jaws are precision investment casting made of AISI 4140 alloy steel
- Easy adjustment for changing the pressure of the crimp

PWC48NJ Ratcheting Crimper
Ratcheting crimper without jaw set

PWC48-1 Crimping Jaw Set
Jaw Set A. Use on Insulated 10–22 connectors

PWC48-2 Crimping Jaw Set
Jaw Set B. Use on non-insulated 8–20 connectors

PWC48-3 Crimping Jaw Set
Jaw Set C. Use on Open Barrel 10–20 connectors

PWC48-4 Crimping Jaw Set
Jaw Set H. Use on Open Barrel D-Sub connectors



PWC48

Modular Connectors

PWC34 Crimping Tool
- Double compound action with ratchet control for almost effortless operation
- Use with insulated connectors on 10–22 gauge wire
- Easy, efficient, single-squeeze crimping of modular connectors

⚠WARNING
- Plastic coated handles on these pliers and cutters do not protect against electric shock
- Read safety precautions on pages W1 to W4

WIRE TOOLS Blue-Point®



PWC39



PWC80A



PWC52A

Miscellaneous Wire Tools

PWC39 Cable Slitter
- Slits and removes insulation on single or multiple conductor cables up to 1.25" OD
- Adjustable blade allows for varying insulation thickness up to .187"
- Lightweight, fiberglass reinforced nylon body
- Extra blade in handle. 5 1/4" long

PWC39-1 Replacement Blade
Replacement blade for PWC39

PWC80A Cable Cutter
- For cutting battery cables and other soft metal cables
- Vinyl covered handles
- 7 1/2" long

PWC52A Connector Pliers
- For gripping round and irregularly shaped objects such as cannon plugs or plated pipe
- Range is 3/4"–2 1/2"
- 9 3/4" long

PWC52A1 Vinyl Jaw Inserts
For PWC52A (set of two)

PWC52A2L Replaceable Hinge Bolt
For PWC52A



PWC12A



PWC28A



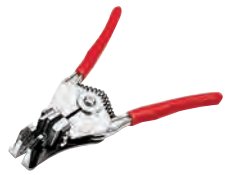
PWC14



PWC16A



PWC27



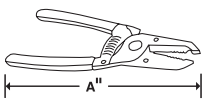
PWC42



PWC24



PWC5





PWC8



PWC19



PWC6



PWC22A

Strippers/Cutters/Crimpers

Stock No.	Description	Length, inches (A)	Strips AWG Sizes	Strips Metric Sizes, mm	Application	Replacement Blades
PWC12A	Wire Stripper/ Cutter/Crimper	9 1/2	10, 12, 14, 16, 18	10–18 Insulated and Non-Insulated 7 mm–8 mm Ignition Terminals	—	–
PWC28A	Wire Stripper/Cutter/ Crimper/Bolt Cutter	8 1/4	10, 12, 14, 16, 18, 20, 22 Stranded, 8, 10, 12, 14, 16, 18 Solid	10–22 Non-Insulated Terminals and Crimp Sleeves	—	–
PWC14	Wire Stripper/Cutter/ Crimper/Bolt Cutter	8 3/4	10, 12, 14, 16, 18, 20, 22	10–22 Insulated and Non-Insulated 7 mm–8 mm Ignition Terminals	—	–
PWC16A	Wire Cutter/Stripper	5	10–18	Adjustable	Strips PVC, THHN and THWN	–
PWC27	Automatic Wire Stripper	6 1/4	10, 12, 14, 16, 18, 20, 22	—	Strips PVC, THHN, and THWN	PWC27-7
PWC42	Automatic Wire Stripper	5 1/2	16, 18, 20, 22	1.5, 1.0, .5, .42	Cotton Coated PVC Wire, and Silicone Coated Wire	PWC42-17
PWC24	Automatic Wire Stripper	6 1/4	16, 18, 20, 22, 24, 26	—	Strips Teflon® Type E Wire	PWC24-1
PWC5	Mini Wire Cutter/Stripper	5 1/16	26–14	—	Copper Wire	–
PWC8	Wire Stripper/Cutter	5 7/8	14–10 AWG	—	Copper Wire	–
PWC19	Micro Shear Wire Cutters	5 1/8	Up to 20	Up to .80	—	–
PWC6	Wire Stripper/Cutter Pliers	6	10, 12, 14, 16, 18, 20	2.6, 2.0, 1.6, 1.3, 1.0, .80	Strips PVC, THHN and THWN	–
PWC22A	Automatic Wire Stripper with Cutter	7 1/4	12, 14, 16, 18, 20	—	Strips PVC, THHN and THWN	–

Dipped Grips

Stock No.	Description	Jaw Length, inches	Length, inches	Set Contains: BDGPL800
BDGAWP100	Adjustable Joint Pliers	1 3/4	10	•
BDG48CP	Slip Joint Pliers	1 27/32	8	•
BDG98CP	Long Needle Nose Pliers	3	8	•
BDG9845CP	45° Bent Needle Nose Pliers	2 13/16	7 3/4	•
BDG57CP	Lineman's	1 1/4	7 1/2	•
BDGEC7	End Cutter	7/16	7	•
BDG86CP	Diagonal Cutter	21/32	6 1/2	•
BDG88CP	Diagonal Cutter	15/16	8 1/8	•



BDGPL800

Standard

Stock No.	Description	Jaw Length, inches	Length, inches	Set Contains: BPL501
B48CP	Slip Joint Pliers	2 3/32	8 13/32	•
B58HLP	Lineman's Pliers	1 1/2	8 31/32	•
B96CP	Needle Nose Pliers	2 1/32	6 5/16	•
BAWP100	Adjustable Joint Pliers	1 3/8	10 5/32	•
B87CP	Diagonal Cutters	31/32	6 19/32	•



BPL501

Miniature

Stock No.	Description	Jaw Length, inches	Length, inches	Set Contains: BMPL1000
B45CMP	Combination Pliers	1	4 11/16	•
B65CMP	Duckbill Pliers	1 5/32	4 7/8	•
B75CMP	Round Nose Pliers	1 5/32	5	•
B85CMP	Diagonal Cutter	21/32	4 11/32	•
B85CTMP	Thin Diagonal Cutter	23/32	4 5/8	•
B945CMP	45° Bent Nose Pliers	1	4 11/16	•
B95CMP	Long Nose Pliers	1 1/8	4 7/8	•
B95CLMP	Long Needle Nose Pliers	2 1/16	5 25/32	•
B960CMP	60° Bent Nose Pliers	15/16	4 11/16	•
BMPEC5	End Cutter	5/16	4 1/32	•

Sets shown include storage tray



BMPL1000

Miniature Pliers and Cutters/Vinyl Grips

Stock No.	Description	Jaw Length, inches	Length, inches	Set Contains: BDGMPL845	BDGCPL700
BDG45CMP	Combination Pliers	1	4 11/16	•	•
BDG85CMP	Diagonal Cutter	21/32	4 11/32	•	
BDG85CTMP	Thin Diagonal Cutter	23/32	4 5/8	•	•
BDG945CMP	45° Bent Nose Pliers	1	4 11/16	•	•
BDG65CMP	Duckbill Pliers	1 5/32	4 7/8	•	
BDG95CMP	Long Nose Pliers	1 1/8	4 7/8	•	
BDG95CLMP	Long Needle Nose Pliers	2 1/16	5 25/32	•	•
BDGMPEC5	End Cutter	5/16	4 1/32	•	



BDGMPL845



BDGCPL700

BDGMPL845 Miniature Pliers and Cutters Set
- Includes eight commonly used mini pliers for precision work in confined spaces

BDGCPL700 Pliers and Cutters Set
- Set includes: BDG48CP 8" Slip Joint Pliers, BDG88CP 8 1/8" Diagonal Cutters and BDG98CP 8" Needle Nose Pliers plus the three miniature pliers and cutter indicated in the chart to cover a large range of jobs
- BDG98CP Needle Nose Pliers features a fastener-turning jaw and cutter

⚠WARNING

- Plastic coated handles on these pliers and cutters do not protect against electric shock
- Read safety precautions on pages W1 to W4

PLIERS AND CUTTERS Blue-Point®



BDGPL400LMP

Long Reach Miniature

Stock No.	Description	Jaw Length, inches	Length, inches	Set Contains: BDGPL400LMP
BDG96LMP	Long Nose	1 5/16	6	•
BDG97LMP	Needle Nose	2 13/32	7	•
BDG9645LMP	45° Bent Needle Nose	1 7/32	6	•
BDG86LMP	Diagonal Cutters	3/4	5 1/2	•



BDGPL300HG

Extended Reach Hose Grip

Stock No.	Description	Jaw Length, inches	Length, inches	Set Contains: BDGPL300HG
BDGPL410HG	Small Hose Grip Pliers	2 1/4	11	•
BDGPL411HG	Medium Hose Grip Pliers	2 1/4	11	•
BDGPL412HG	Large Hose Grip Pliers	2	11	•



BDGPL300LR

Long Reach

Stock No.	Description	Jaw Length, inches	Length, inches	Set Contains: BDGPL300LR
BDG311CP	Diagonal Cutter	1 9/16	11	•
BDG91145CP	45° Bent Needle Nose	3 3/16	11	•
BDG911CP	Needle Nose	3 9/16	11	•



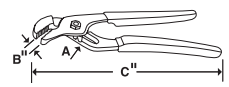
BDGPL200XLR

Extra Long Reach

Stock No.	Description	Jaw Length, inches	Length, inches	Set Contains: BDGPL200XLR
BDG91645CP	45° Bent Needle Nose	3 3/16	16	•
BDG916CP	Needle Nose	3 9/16	16	•



AP10



Adjustable Joint

Stock No.	Description	Max. Jaw Postions (A)	Parallel Opening, inches (B)	Length, inches (C)
AP7	Adjustable Joint	9	1 1/2	7
AP10	Adjustable Joint	11	1 3/4	10
AP12	Adjustable Joint	13	2 1/16	12



BLPBC30

Heavy Duty Bolt Cutters

Drop forged, alloy steel jaws are precision ground to provide a long-lasting cutting edge. Lightweight, tubular steel handles deliver extra leverage for tough jobs. Comfortable, heavy duty grips resist slippage.

Stock No.	Capacity (Soft Material), inches	Capacity (Hard Material), inches	Length, inches	Weight, lb (kg)	Replacement Jaw Assembly
BLPBC18	3/8	1/4	18	3.4 (1.55)	BLPBC18-1
BLPBC24	7/16	5/16	24	5.6 (2.55)	BLPBC24-1
BLPBC30	1/2	3/8	30	8.6 (3.9)	BLPBC30-1
BLPBC36	9/16	7/16	36	14.2 (6.45)	BLPBC36-1



CNSGDX60

Screwdrivers (Soft Grip)

- Slim tip design accesses fasteners in tight areas faster and easier
- No conductive path to user
- No insulation to puncture, tear or wear through
- Exceeds ANSI®, ISO® and ASME® strength and performance requirements for standard steel tools
- Every tool is individually tested to protect up to 1,000V AC and 1,500V DC
- Snap-on® nonconductive tools are UL® listed, assuring compliance to IEC® 60900

	Stock No.	Tip Size	Shank Length, inches	Length, inches	Set Contains: CNSGDX60
Flat Tip	CNSGDF66	3/16	6	11 1/2	•
	CNSGDF68	1/4	6	11 1/2	•
	CNSGDF69	9/32	6	11 1/2	•
Phillips® Tip	CNSGDP61	#1	6	11 1/2	•
	CNSGDP62	#2	6	11 1/2	•
	CNSGDP63	#3	6	11 1/2	•



IHTP62



IHTS6



IHT60K

Screwdrivers (Screwdriver Handle)

- No conductive path to user
- No insulation to puncture, tear or wear through
- Every tool is individually tested to protect up to 1,000V AC and 1,500V DC

	Stock No.	Tip Size	Shank Length, inches	Length, inches	Replacement Bit	Set Contains: IHT60K
Flat Tip	IHTS3	3/16	3 1/4	8 3/16	IHTS65	•
	IHTS37	7/32	3 1/4	8 3/16	IHTS375	
	IHTS38	1/4	3 1/4	8 3/16	IHTS685	
	IHTS6	1/4	6	11	IHTS685	•
	IHTS610	5/16	6	11	IHTS6105	
	IHTS9	5/16	9	14	IHTS6105	•
	IHTS912	3/8	9	14	IHTS9125	
Phillips TIp	IHTP31	#1	3 1/4	8 3/16	IHTP315	•
	IHTP62	#2	6	11	IHTP625	•
	IHTP63	#3	6	11	IHTP635	•



CSSC9



SGDMRC4-C6

Screwstarters and Screwdriver Shanks

- No conductive path to user
- No insulation to puncture, tear or wear through
- Every tool is individually tested to protect up to 1,000V AC and 1,500V DC
- *Snap-on* nonconductive tools are *UL* listed, assuring compliance to *IEC* 60900

Stock No.	Handle Type	Handle Diameter, inches	Tip Style	Tip Style	Length, inches
CSSC9	Composite*	9/32	Flat Tip/*Phillips*	.032" x 9/32", #2	9
SGDMRC4-C6	Composite Magnetic Bit Holder	3/8	—	—	7 1/4

*Rated shock resistant up to 1,000V.

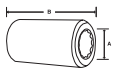
⚠WARNING

- Plastic coated handles on these pliers and cutters do not protect against electric shock
- Do not use damaged nonconductive tools
- Read safety precautions on pages W1 to W4

NONCONDUCTIVE COMPOSITE TOOLS



207CFDSY





IHT208K

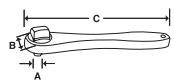
3/8" Drive Sockets, inches, 12-Point

Set Contains: 207CFDSY				
	12	Outside Diameter, inches (A)	Length, inches (B)	12
1/4	CFDS8B	15/16	1 3/4	
5/16	CFDS10B	15/16	1 3/4	
3/8	CFDS12B	1	1 3/4	•
7/16	CFDS14B	1	1 3/4	•
1/2	CFDS16B	1 3/16	2	•
9/16	CFDS18B	1 3/16	2	•
5/8	CFDS20B	1 3/16	2	•
11/16	CFDS22B	1 3/8	2 1/4	•
3/4	CFDS24B	1 3/8	2 1/4	•

IHT208K Nonconductive Composite Ratchet and Socket Set
CFDS12B – CFDS24B sockets (3/8"–3/4") (8-piece) plus CFS949A ratchet in C0800 kit bag.



CFS949A



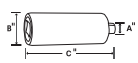
Ratchets

- No conductive path to user
- No insulation to puncture, tear or wear through
- Every tool is individually tested to protect up to 1,000V AC and 1,500V DC
- *Snap-on* nonconductive tools are *UL* listed, assuring compliance to *IEC* 60900

Stock No.	Square Drive, inches (A)	Head Width, inches (B)	Length, inches (C)	Repair Kit
CFS949A	3/8	1 19/32	8 3/4	RKRCFS949A
CSS949A	1/2	1 19/32	8 3/4	RKRCSS949



CFX6



Extensions

Stock No.	Square Drive, inches (A)	Outside Diameter, inches (B)	Length, inches (C)
CFX3	3/8	1	3
CFX6	3/8	2	6
CFX12	3/8	2	12
CSX5	1/2	1 5/16	5 21/32
CSX10	1/2	1 5/16	10 21/32



CFDSM15B

3/8" Drive Sockets, mm, 12-Point

Nonconductive Composite Socket

- No conductive path to user
- No insulation to puncture, tear or wear through
- Strong as steel
- Every tool is individually tested to protect up to 1,000V AC and 1,500V DC
- Snap-on® nonconductive tools are UL® listed, assuring compliance to IEC® #60900

mm	12	Outside Diameter, mm (A)	Length, mm (B)
10	CFDSM10B	25.1	44.9
12	CFDSM12B	29.6	51.2
13	CFDSM13B	29.6	51.2
14	CFDSM14B	29.6	51.2
15	CFDSM15B	29.6	51.2
16	CFDSM16B	33.5	57.4
17	CFDSM17B	33.5	57.4
18	CFDSM18B	33.5	57.4
19	CFDSM19B	33.5	57.4



CSN24B

Breaker Bar

- Features the comfort and control of a *Snap-on* screwdriver style handle
- *UL* listed
- Each tool is individually tested to protect up to 1,000V AC and 1,500V DC
- Meets *IEC* 60900 and ASTM® 1505 standards for insulating hand tools
- Exceeds ASME®/ANSI® B107.10M strength requirements for standard steel tools

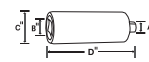
Stock No.	Head Width, inches	Length, inches	Head Diameter, inches
CSN24B	1 1/8	24 1/2	1



CA1MF



CFSSB8

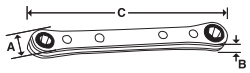


Adaptors

- No conductive path to user
- No insulation to puncture, tear or wear through
- Strong as steel
- Every tool is individually tested to protect up to 1,000V AC and 1,500V DC
- Only *Snap-on* nonconductive tools are *UL* listed, assuring compliance to *IEC* #60900

Stock No.	Description	External Square Drive, inches (A)	Internal Square Drive, inches (B)	Outside Diameter, inches (C)	Length, inches (D)
CA1MF	1/2" Square Drive Adaptor	3/8	1/2	1 5/16	3 25/32
CA2A	3/8" Square Drive Adaptor	1/2	3/8	1	3 7/8

CFSSB8 Nonconductive Composite Universal Bit Socket
Composite (insulating) universal bit socket for holding 1/4" bits. 3/8" square drive, 1" O.D., 1 3/4" long.



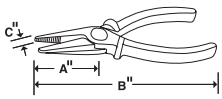


CRB1824

Ratcheting Box Wrench

- UL® listed
- Individually tested to protect up to 1,000V AC and 1,500V DC
- Meets IEC® 60900 ASTM® standards for insulating hand tools

Stock No.		Finish	Head Diameter, inches (A)	Head Depth, inches (B)	Length, inches (C)
CRB1824	9/16–3/4	Composite	1 9/16–1 13/16	5/8–5/8	9 1/16





C97CP

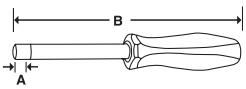


C59AHLP

Pliers

- Nonconductive needle nose pliers feature all composite jaw and handle
- Spring loaded joint returns pliers to comfortable working position
- Durable jaw teeth aid in gripping and twisting
- Integral thumb guard for user protection
- Each tool is individually tested to protect up to 1,000V AC and 1,500 VDC
- Snap-on® nonconductive tools are *UL* listed, assuring compliance to *IEC* 60900 *ASTM* standards for insulating hand tools
- Nonconductive lineman pliers have same quality as standard lineman pliers for performance and durability
- Nonconductive handles are soft grip for comfort and control
- Handles feature thumb guards, two-position grip and tether hole
- Each tool is individually tested to ensure protection up to 1,000V AC and 1,500V DC

Stock No.	Description	Jaw Length, inches (A)	Length, inches (B)	Tip Width, inches (C)
C97CP	Needle Nose Pliers	2	8 1/2	5/32
C59AHLP	Lineman's Pliers	1 13/32	10	—





107CNDD

Nut Drivers

- *Snap-on* nonconductive composite nut drivers have the 6-point Flank Drive® wrenching system for greater turning power with less fastener damage. Nut drivers feature narrow, nonconductive composite shanks for greater access and a full 5" bolt clearance depth
- Screwdriver style handles provide maximum comfort and control
- Handles are color coded for easy size reference
- Sizes are stamped on the handle crown for better visibility when wearing a tool pouch
- Each tool is individually tested to ensure protection up to 1,000V AC and 1,500V DC
- *Snap-on* nonconductive tools are *UL* listed, assuring compliance to *IEC* 60900 *ASTM* standards for insulating hand tools
- US Pate nt #6,427,563

Stock No.		Bolt Clearance Diameter, inches (A)	Length, inches (B)	Set Contains: 107CNDD
CNDD106	3/16	5/32	7 5/8	•
CNDD107	7/32	5/32	7 5/8	•
CNDD108	1/4	5/32	7 5/8	•
CNDD110	5/16	5/32	7 5/8	•
CNDD112	3/8	11/32	8 3/8	•
CNDD114	7/16	11/32	8 17/32	•
CNDD116	1/2	11/32	9 1/16	•

⚠WARNING

- Do not use damaged nonconductive tools
- Do not use "cheater bars" on handles
- Do not use with impact drivers
- Read safety precautions on page W1 to W4

THE POWER IS IN YOUR HAND.

No matter what your style or needs – from finesse to power – Snap-on® offers a range of hammers, punches, and chisels to fit every one. And they come in both hard and soft grips, featuring a soft, more comfortable energy-absorbing material.

PUNCHES AND CHISELS THAT PACK A PUNCH.

The anvil end on the heads of our punches and chisels are machined to a modified parabolic curve. This directs the striking force to the center of the tool head to help control mushrooming, allow slow metal displacement, and reduce chipping and splitting. The steel alloy is machined and differentially heat-treated for optimum performance, and the hardness of the striking head is reduced – enhancing toughness, and resulting in slower mushrooming.

WE'VE NAILED HAMMERS.

Snap-on offers a line of hammers that are made from a non-sparking, thermoplastic urethane material resistant to most shop chemicals. And these hammers feature the works: dry-rot prevention, warp prevention, balanced hammerheads, multi-grips, and more.

HBFE SERIES DEAD BLOW HAMMERS

Free-flowing shot, head design improves dead blow action while reducing rebound. Compact heads have a larger surface striking area and heavier caps – improving delivered force by as much as 40%.

HBBD SERIES BALL PEEN HAMMERS

Steel-canister head design, with free-flowing shot, improves dead blow action, while reducing rebound. Soft-grip handle with ribbed, textured elastomer grip prevents hand slippage. Composite handle shank improves balance while defusing shock and dampening vibration.

HBSE SERIES SLIMLINE DEAD BLOW HAMMERS

Smaller face for more concentrated blows. Longer head profile for extended reach. Internal steel canister with free-flowing shot design delivers maximum dead blow action. Wide flare at end of handle helps prevent hand slippage. Microcellular soft-grip handle features a softer, more comfortable energy-absorbing material.



Punches and Chisels

The anvil end on heads of Snap-on® punches and chisels are machined to a modified parabolic curve. This design directs the striking force to the center of the tool head to allow slow metal displacement. The parabolic curve controls mushrooming to reduce chipping and splitting. Heads should be redressed to their original shape with hand files as necessary. The tough alloy steel is machined and differentially heat treated for optimum performance. The hardness of the striking head is reduced to help toughness and add qualities that result in a slower mushrooming of the striking surface.



PPC250BK Punch and Chisel Set
Includes 24 pcs in KB2179 kit bag:
PPC1A PPC106A PPC205A PPC820B
PPC3A PPC108A PPC206A PPC824B
PPC4A PPC110A PPC208A PPC12B
PPC103A PPC112 PPC210A PPC14B
PPC104A PPC203A PPC812B PPC15B
PPC105A PPC204A PPC816B PPC19B



PPC250BK

PPC210BK Punch and Chisel Set
Includes 22 pcs in KB2178 kit bag:
PPC1A PPC105A PPC204A PPC816B
PPC3A PPC106A PPC205A PPC820B
PPC4A PPC108A PPC206A PPC824B
PPC5A PPC110A PPC208A PPC828B
PPC103A PPC112 PPC210A
PPC104A PPC203A PPC812B



PPC210BK

PPC715BK Punch and Chisel Set
Includes 16 pcs in KB2182 kit bag:
PPC1A PPC104A PPC203A PPC208A
PPC3A PPC105A PPC204A PPC812B
PPC4A PPC106A PPC205A PPC816B
PPC103A PPC108A PPC206A PPC820B



PPC715BK

PPC710BK Punch and Chisel Set
Includes 11 pcs in KB2181 kit bag:
PPC1A PPC105A PPC205A PPC816B
PPC4A PPC106A PPC206A PPC820B
PPC103A PPC203A PPC812B



PPC710BK

PPSD120BK Pin and Starter Punch Set
Includes 12 pcs in KB2187 kit bag:
PPC103A PPC106A PPC203A PPC206A
PPC104A PPC108A PPC204A PPC208A
PPC105A PPC110A PPC205A PPC210A



PPSD120BK

PPC100AK Punch and Chisel Set
Includes ten pcs in KB2175 kit bag:
PPC812B PPC828B PPC15B
PPC816B PPC12B PPC19B
PPC820B PPC13B
PPC824B PPC14B



PPC100AK

PPCD70BK Pin Punch Set
Includes seven pcs in KB2183 kit bag:
PPC103A PPC106A PPC110A
PPC104A PPC107A
PPC105A PPC108A



PPCD70BK

PPCS60BK Starter Punch Set
Includes six pcs in KB2185 kit bag:
PPC203A PPC205A PPC208A
PPC204A PPC206A PPC210A



PPCS60BK

PPC50AK Flat Chisel Set
Includes five pcs in KB2173 kit bag:
PPC812B PPC820B PPC828B
PPC816B PPC824B



PPC50AK

PPCM60BK Metric Pin Punch Set
Includes six pcs in KB2189 kit bag:
PPCM103B PPCM104B PPCM105B
PPCM106B PPCM107B PPCM108B



PPCM60BK

	Stock No.	Hex Size, inch	Point/Edge, inch (mm)	Length, inch (mm)
Punch and Chisel Accessories	**PPC1A** Chisel Gauge	—	—	2 5/8
	PPC5A Punch/ Chisel Holder	—	—	6 15/16
Center Punches	**PPC3A**	5/16	1/8	5
	PPC4A	7/16	3/16	6
	PPC6B	5/8	5/16	7
	PPC714B	9/16	5/32	14
Pin Punches	**PPC103A**	9/32	3/32	4 7/32
	PPC104A	5/16	1/8	4 3/4
	PPC105A	3/8	5/32	5
	PPC106A	3/8	3/16	5 1/4
	PPC107A	3/8	7/32	5 1/4
	PPC108A	7/16	1/4	5 3/4
	PPC110A	1/2	5/16	5 1/4
	PPC112	9/16	3/8	5 1/4
Metric Pin Punches	**PPCM103B**	5/16	(3)	(159)
	PPCM104B	5/16	(4)	(159)
	PPCM105B	3/8	(5)	(159)
	PPCM106B	3/8	(6)	(159)
	PPCM107B	3/8	(7)	(159)
	PPCM108B	7/16	(8)	(159)
Starter Punches	**PPC203A**	5/16	3/32	5 1/2
	PPC204A	3/8	1/8	5 3/4
	PPC205A	3/8	5/32	6
	PPC206A	7/16	3/16	6 1/4
	PPC208A	1/2	1/4	6 3/4
	PPC210A	9/16	5/16	7 1/4

	Stock No.	Hex Size, inch	Point / Edge, inch (mm)	Length, inch (mm)
Flat Chisels	**PPC808A**	1/4	1/4	5
	PPC812B	5/16	3/8	5 1/2
	PPC816B	7/16	1/2	6
	PPC820B	1/2	5/8	6 1/2
	PPC824B	5/8	3/4	7 1/4
	PPC828B	11/16	7/8	8
	PPC832B	7/8	1	9
	BPPC1878*	7/8	1	18
Long Flat Chisels	**PPC820LB**	1/2	5/8	16
Half Round Nose Cape Chisels	**PPC12B**	3/8	5/16	6
Cape Chisels	**PPC13B**	5/16	1/4	5 5/8
	PPC14B	3/8	5/16	6
Diamond Point Chisels	**PPC15B**	7/16	7/32	6
	PPC19B	3/8	1/8	5 3/4

*Blue-Point®

WARNING

- Use the proper punch or chisel for the job
- Do not use punches or chisels having chipped or mushroomed end; discard or dress to original shape with a hand file
- Use hammer with head about 3/8" larger in diameter than head of punch or chisel
- Read safety precautions on pages W1 to W4

PUNCHES AND CHISELS



PPRG80

PPRG80 Roll Pin Punch Guide Set
- Companion tool for the PPR708BK roll pin punch set
- Provides faster, safer pin installation
- Pin guide is a vinyl sleeve uniting pin and punch to achieve perfect alignment during installation
- Ideal for pin installation in tight quarters where two hands can't reach
- Use with Snap-on® roll pin punches PPR2–PPR8 (1/16"–1/4")
- Can also be used with *Snap-on* pin punches PPC103A–PPC108A (3/32"–1/4") and long pin punches PPC104LA–PPC108LA (1/8"–1/4")



PPR708BK

PPR708BK Roll Pin Punch Set
Includes eight pcs in KB2186 kit bag:
PPR2 PPR4 PPR7
PPR2-1/2 PPR5 PPR8
PPR3 PPR6



PPCL60BK

PPCL60BK Long Pin Punch Set
Includes six pcs in KB2184 kit bag:
PPC104LA PPC106LA PPC108LA
PPC105LA PPC107LB PPC110LA



PPVP70BK

PPVP70BK Midget Punch and Chisel Set
Includes seven pcs in KB2188 kit bag:
PPC402A PPC406B PPC403A
PPC407B PPC404A PPC408B
PPC405A



PPLT40AK

PPLT40AK Drift Pin Punch Set
Includes four pcs in KB2174 kit bag:
PPC905B PPC908B PPC910B
PPC912B



LP30A

LP30A Drift Pin Punch Set
Includes three pcs in KB2177 kit bag:
1210B 1512B 1816B



PPBL30AK

PPB30AK Bronze Punch Set
Includes three pcs in KB2171 kit bag:
PPB408A PPB612A PPB816A

PPBL30AK Bronze Punch Set
Includes three pcs in KB2172 kit bag:
PPB1012A PPB1226A PPB826A

PPB20AK Bronze Tapered Punch Set
Includes two pcs in KB2170 kit bag:
PPB1012A PPB1414A

	Stock No.	Hex Size, inch	Point/ Edge, inch	Length, inch
Roll Pin Punches	PPR2	—	1/16	3 5/32
	PPR2-1/2	—	5/64	3 1/2
	PPR3	—	3/32	3 29/32
	PPR4	—	1/8	4 1/4
	PPR5	—	5/32	4 5/8
	PPR6	—	3/16	5
	PPR7	—	7/32	5 3/8
	PPR8	—	1/4	5 3/4
	PPR10	—	5/16	6 1/8
	PPR12	—	3/8	6 1/8
	PPR14	—	7/16	6 1/8
	PPR16	—	1/2	6 1/8
Long Pin Punches	PPC104LA	5/16	1/8	5 5/16
	PPC105LA	3/8	5/32	6 1/2
	PPC106LA	3/8	3/16	7 1/16
	PPC107LB	3/8	7/32	7 5/8
	PPC108LA	7/16	1/4	8 3/16
	PPC110LA	1/2	5/16	8 3/4
Midget Punches and Chisels	PPC402A Pin Punch	9/32	1/16	3
	PPC403A Pin Punch	9/32	1/8	3 1/4
	PPC404A Center Punch	9/32	3/32	3 5/8
	PPC405A Starter Punch	9/32	1/16	3 3/4
	PPC406B Cape Chisel	9/32	3/16	3 7/8
	PPC407B Cape Chisel	9/32	5/32	4
	PPC408B Flat Chisel	—	5/16	4 1/8

	Stock No.	Hex Size, inch	Point/ Edge, inch	Length, inch
Drift Pin Punches	PPC905B	3/8	5/32	8
	PPC908B	7/16	1/4	8 1/2
	PPC910B	1/2	5/16	9
	PPC912B	9/16	3/8	9 1/2
	1210B	5/8	5/16	12
	1512B	3/4	3/8	15
	1816B	7/8	1/2	18
Bronze Pin Punches	PPB408A	—	1/4	4
	PPB612A	—	3/8	6
Bronze Drift Punches	PPB816A	—	1/2	8
	PPB826A	—	13/16	8
	PPB1226A	—	13/16	12
Bronze Tapered Punches	PPB1001A	5/8	3/8	8
	PPB1012A	—	3/8	10
	PPB1414A	—	7/16	14
Bronze Round Punch	PPB1002A	—	3/4	10

Soft Grip

- Ergonomic soft grip handle provides a powerful grip, improves the thermal sensation in cold work environments and reduces strike vibration
- Semispherical striking area controls mushrooming to help reduce chipping and splitting
- Cutting edges on chisels are hand ground to consistently produce a quality edge
- Black oxide coated
- Manufactured from special alloy steel that is differentially heat treated to increase durability



PPCSG710

Stock No.	Description	Point/Edge, inch	Length, inch	PPCSG710 Set Contains:
PCSG812	Flat Chisel	3/8	6 1/8	•
PCSG816	Flat Chisel	1/2	6 1/8	•
PCSG820	Flat Chisel	5/8	6 1/8	•
PPSG4	Center Punch	3/16	6 1/8	•
PPSG103	Pin Punch	3/32	6 1/8	•
PPSG105	Pin Punch	5/32	6 1/2	•
PPSG106	Pin Punch	3/16	6 1/2	•
PPSG203	Starter Punch	3/32	6 1/8	•
PPSG205	Starter Punch	5/32	6 1/8	•
PPSG206	Starter Punch	3/16	6 1/8	•



PPC14LB

Oval Bearing Race Punches

High alloy steel makes these tools ideal for stubborn bearing races.

PPC6LB Oval Bearing Race Punch
7/16" hex stock, 7/16" x 15/64" oval point, 6" long.

PPC10LB Oval Bearing Race Punch
1/2" hex stock, 1/2" x 17/64" oval point, 10" long.

PPC14LB Oval Bearing Race Punch
9/16" hex stock, 9/16" x 19/64" oval point, 14" long.

PPC20LB Oval Bearing Race Punch
9/16" hex stock, 5/8" x 5/16" oval point, 20" long.

PPC704BK Punch Set
Includes PPC6LB–PPC20LB (four-piece).



PGH8A

Gasket Punch Set

PGH8A Gasket Punch Set

- Cuts holes in gaskets and other soft materials
- Includes 5 3/8" long mandrel and (ten) punches: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4", 7/8" and 1" in a storage case



GA1

Bushing Cutter

GA1 Bushing Cutter (7 1/4" long)

- Made of 1/2" octagonal stock with a 7/16" x 1/8" bit
- Curved bit pushes material away from work



YA900



YA879A

Automatic Centering Punches *(Blue-Point)*

YA900 Automatic Center Punch (4 3/4" long)

- Strikes blow when pressure is applied, no hammer needed
- Cap adjusts force of blow
- 7/16" diameter

YA879A Heavy Duty Automatic Center Punch (5" long)

- Single hand operation
- Design eliminates need for striking with hammer
- Adjustable spring tension cap
- Hardened steel point is replaceable
- 1/2" diameter



DPFT528B

Transfer Punch Set (Blue-Point®)

DPFT528B Transfer Punch Set

- For transferring hole patterns
- Set includes 31 punches from 3/32"–1/2" in 1/64" increments plus 17/32"
- Each punch is marked with its size and manufactured from tempered steel to promote long tool life
- Roll bag provides convenient storage
- Punches are 4 7/8" in length



GA237

Steel Stamping Sets *(Blue-Point)*

- Heat treated square stamp bodies
- Stored in two-piece wooden containers

Set Stock No.	Characters	Number Stamps	Figure Size, inches	Square Body, inches	Length, inches
GA237	0–9*	9	3/16	5/16	2 7/16
YA817	0–9*	9	1/8	1/4	2 3/8
GA238	A–Z**	27	3/16	5/16	2 7/16
YA818	A–Z**	27	1/8	1/4	2 3/8

*One stamp serves as both 6 and 9. **Also includes stamp for period.

⚠WARNING

- Use the proper punch or chisel for the job
- Do not use punches or chisels having chipped or mushroomed end; discard or dress to original shape with a hand file
- Use hammer with head about 3/8" larger in diameter than head of punch or chisel
- Read safety precautions on pages W1 to W4

DEAD BLOW


HBFE32

HBFE Series Dead Blow Hammers

- Free flowing shot design to improve dead blow action while reducing rebound
- Compact head has larger surface striking area and heavier caps to improve delivered force by as much as 40%
- Soft grip handle with ribbed, textured elastomer grip prevents hand slippage
- Composite handle shank improves balance while diffusing shock and dampening vibration
- Improved thermoplastic urethane material is non-sparking and resistant to most shop chemicals

Applications: Brake rotors, brake drum removal, ball joints (tie rod removal), tires, seal installation, loosen oil pans and covers, OE rims, axle insertion, piston installation and crank shaft end play

Stock No.	Weight, oz	Head Length, inches	Face Diameter, inches	Length, inches	Set Contains: HBFE103
HBFE16	16	3 1/4	1 9/16	12	
HBFE24	24	3 3/4	1 3/4	12 3/4	•
HBFE32	32	4 1/4	2	13 1/2	•
HBFE48	48	4 3/4	2 1/4	15	•
HBFE56	56	5 7/16	2 3/4	15 3/4	


HBBD24

HBBD Series Ball Peen Hammers

- Freeflowing steel canister shot design to improve dead blow action while reducing rebound
- Soft grip handle with ribbed, textured elastomer grip prevents hand slippage
- Composite handle shank improves balance while defusing shock and dampening vibration

Applications: Rear drums, tie rods, U-joints rounded end, track bar rounded end, rivets, punch and chisel applications

Stock No.	Weight, oz	Head Length, inches	Face Diameter, inches	Length, inches
HBBD8	8	4	1	11 5/8
HBBD16	16	4 3/8	1 1/4	12 1/4
HBBD24	24	4 3/4	1 3/8	12 3/4
HBBD32	32	5 3/4	1 3/4	13 5/8
HBBD40	40	5 3/4	1 3/4	15 1/8

Dual Face Drilling

- Sustained impact and maximum striking force with almost no rebound
- Composite handle shank improves the hammer balance while defusing shock
- Free flowing steel head canister design improves dead blow action and reduces rebound
- Non-sparking, chemical-resistant molded urethane covering
- Ribbed thumb rest allows user to choke up in tighter work areas


HBSE20

HBSE Series Slimline Dead Blow Hammers

- Smaller face – For more concentrated blows
- Longer head profile – For extended reach
- Internal steel canister with free flowing shot design – Delivers maximum dead blow action
- Multi-position hand grip – Helps user “choke up” in tighter work areas
- Wide flare at end of handle – Helps prevent hammer from slipping out of hand
- Microcellular grip and composite shank – Comfortable, secure grip and dampens the vibration to the user’s hand

Applications: Main bearing caps, dust caps, smalller objects, custom bikes and tighter applications that standard dead blow hammers will not fit

Stock No.	Weight, oz	Head Length, inches	Face Diameter, inches	Length, inches
HBSE10	10	3 1/2	1 1/4	10 5/8
HBSE20	20	4 1/8	1 3/8	11 1/8
HBSE30	30	5 1/8	1 1/2	12 3/8


BC110B

Sledge

Stock No.	Weight, lb	Head Length, inches	Face Diameter, inches	Length, inches
BC7B	5	7	2 3/4	20
BC110B	8	7	2 3/4	30
BC114B	11 lb 8 oz	8	3 1/4	36


HLE24

Piston

- One-piece urethane construction
- Full length canister increases head strength
- Made of material that will not damage the piston
- Shot filled head drastically reduces rebound

Stock No.	Weight, oz	Head Length, inches	Face Diameter, inches	Length, inches
HLE24	24	7 3/4	5 1/2	12 3/4


HSSD32

Stock No.	Weight, oz	Head Length, inches	Face Diameter, inches	Length, inches
HSSD32	32	5 3/8	1 3/4–1 3/8	11 1/2



HBBT32

HBBT Series

- Bronze tipped non-marring hammer ideally suited for work on bushings, gears and transmissions
- Microcellular grip

Applications: Bearings and race install, pinion and half shafts, distributor rebuilds, alternator and starter rebuilds, seal installation, body moldings and non-spark applications

Stock No.	Weight, oz	Head Length, inches	Head Diameter inches	Length, inches
HBBT16	16	3 3/4	1 3/8	12
HBBT24	24	4 1/4	1 3/8	12
HBBT32	32	4 1/2	1 1/2	12 3/4



BF623



BF620C

Soft Blow (Blue-Point®)

- Designed to reduce marring and denting
- Use in assembly applications and on surfaces including metal, glass, plastic and wood
- Special polymer head resists dynamic fatigue, creep and compression set, even at extreme temperatures

Stock No.	Face Dimensions, inches	Head Color	Length, inches
BF623	1 7/8 x 2 1/8	Blue	12 1/2

BF620C Rubber Head Mallet

- Solid rubber head is 3 3/4" long, 2 1/4" diameter
- 11" hardwood handle





HSPI6KT

Interchangeable Head *(Blue-Point)*

- Shot loaded, dead blow hammer adds more striking force by eliminating rebound and dampening vibration shock
- 1 1/2" striking face diameter on each hammer head
- Six interchangeable heads meet a number of various applications
- Comfortable, nonslip handle grip
- Set includes 10" fiberglass handle and storage case
- 1" head extender is optional

Stock No.	Description	Color	Weight, oz	Set Contains: HSPI6KT
HSPI6KT1	Hammer Handle	—	22	•
HSPI6KT2	Soft Face	Brown	1.5	•
HSPI6KT3	Medium Face	Red	1.4	•
HSPI6KT4	Medium Hard Face	Cream	1.3	•
HSPI6KT5	Hard Face	Black	1.3	•
HSPI6KT6	Steel Face	Steel	2.2	•
HSPI6KT7	Brass Face	Brass	2.2	•
HSPI6KT8	Plastic Storage Case	Black	—	•
HSPI6KT9	1" Head Extender	—	—	



HBPT24

HBPT Series

- Plastic tipped hammers used where metal to metal scratching or marring needs to be eliminated

Applications: Transmission work, rear end work, metal body moldings and light tapping

Stock No.	Head Length, inches	Weight, oz	Length, inches	Soft Tip Stock No. (Black)	Hard Tip Stock No. (Gray)
HBPT16	3 3/4	16	12	HPTS16	HPTH16
HBPT24	4 3/4	24	12 3/4	HPTS24A	HPTH24A



HSPD16



BH232A

Combination

- Combination steel and soft face dead blow
- One-piece urethane construction
- Replaceable tips

Stock No.	Head Length, inches	Weight, oz	Tip Diameter, inches	Length, inches	Soft Tip Stock No.	Hard Tip Stock No.
HSPD16	4 3/8	16	1 1/4	12 1/8	HPTS16	—
BH232A*	—	32	1 5/8	13	BH232-2	BH232-3
BH232-4	Optional nylon tip (also available)					

**Blue-Point*



HBR15

Brass (Fiberglass Handle) *(Blue-Point)*

- Non-sparking/non-marring surface for many applications
- Brass head absorbs blow and reduces rebound
- Flat surface for even distribution of blow
- Comfortable, nonslip handle grip

Stock No.	Weight, lb	Length, inches
HBR15	1 1/2	12
HBR25	2 1/2	12
HBR4	4	12



HCL16

Claw Hammer

HCL16 Claw Hammer, 16 oz

- Drop forged carbon steel head
- Oversized striking surface
- Polyurethane leather improves grip and offers abrasion resistance and low temperature flexibility for unparalleled comfort
- Antishock core reduces vibration and hand fatigue
- One-piece construction delivers increased strength

⚠WARNING

- Do not use urethane hammers near liquid oxygen
- Do not strike another hammer or hardened object
- Do not use chipped, mushroomed or cracked hammer
- Strike squarely, avoid glancing blows
- Read safety precautions on pages W1 to W4

BALL PEEN



BP16B

Ball Peen (Hickory Handle)

Stock No.	Weight, oz	Handle Length, inches	Replacement Handle	BP1004S Set Contains:
BP2B	2	9 1/2	BPH2C	
BP4B	4	10 1/2	BPH4C	
BP8B	8	12 1/2	BPH8C	•
BP12B	12	13 1/2	BPH12C	•
BP16B	16	14 1/2	BPH16C	•
BP20B	20	15	BPH20C	
BP24B	24	16	BPH20C	•
BP32B	32	16	BPH40C	
BP40B	40	16 1/4	BPH40C	
BP48B	48	16 1/4	BPH40C	

ASME®/ANSI® B107.400



BPN16B

Ball Peen (Fiberglass Handle)

Stock No.	Weight, oz	Handle Length, inches	Replacement Handle	Previous Model Handle
BPN8B	8	11	BPNH8B	BPN8-1
BPN12B	12	12	BPNH12B	BPN12-1
BPN16B	16	13	BPNH12B	BPN16-1
BPN24B	24	14	BPNH24B	BPN24-1
BPN32B	32	16	BPNH24B	BPN24-1

ASME/ANSI B107.400

HEAVY DUTY Blue-point®



HCB2SG



HCS2SG

Dual Face Dead Blow (Fiberglass Handle)

- 100% cast polyurethane face is designed to withstand the most severe striking applications
- Non-sparking/non-marring brass face for multiple applications
- Non-ferrous shot loaded cavity delivers more power and less rebound than any hammer of its kind
- Abrasion- and impact-resistant
- Chemical resistant
- Comfortable, nonslip handle grip

Applications: aerospace, automotive, metal fabrication, petrochemical, electronics, industrial assembly, construction, oil and mining

Stock No.	Weight, lb (kg)	Face Diameter, inch (mm)	Handle Length, inch (mm)	Overall Length, inch (mm)
HCB2SG	2 (.91)	2 (50.8)	10 5/8 (270)	13 3/4 (349)
HCS2SG	2 (.91)	2 (50.8)	10 5/8 (270)	13 3/4 (349)

Meets or exceeds all *ANSI* specifications



BC4SG



BD4SG



HD4SG

Heavy Duty (Fiberglass Handle)

- Dampens vibration and provides strength and safety
- Handle is resistant to dry rot, warp and splintering
- Fiberglass handle dampens vibration and provides extra strength and safety
- Handle is epoxy welded to hammer head and will withstand 8,000 lb of separation force
- Comfortable, nonslip handle grip
- Materials will resist most shop chemicals

Stock No.	Description	Weight, lb	Striking Face Diameter, inches	Handle Length, inches	Overall Length, inches	Replacement Handle
BC4SG	Cross Peen	4	1 1/2	12	14	BD4SG-1
BD4SG	Engineer	4	1 1/2	12	14	BD4SG-1
HD4SG	Hand Drilling	4	1 1/2	8 3/4	10 3/4	HD4SG-1



BD10ESG

BD Series Sledge Hammers (Fiberglass Handle)

- Drop forged carbon steel heads – Heat treated for durability and safety
- Fiberglass handles – Chemically bonded the sledge eyehole to withstand 8,000 lb of separation force
- Ergonomic grip – Provides a superior gripping surface, helping to dampen and absorb vibration
- Handles – Tensile strength of 200,000 lb per square inch

Stock No.	Weight, lb (kg)	Face Diameter, inch (mm)	Handle Length, inch (mm)	Overall Length, inch (mm)	Replacement Handle
BD6ESG	6 (2.7)	1 5/8 (41.1)	16 (406.4)	18 (457.2)	BD6ESG-1
BD10ESG	10 (4.5)	2 (50.8)	29 (736)	32 (812.8)	BD8ESG-1



BH122D



BH141A



BH133B

BH Series Heavy Duty (Hickory Handle)

- Durable handles – Will not dry rot, warp or splinter from exposure to the elements and resists most shop chemicals

Stock No.	Description	Weight, oz	Head Length, inches	Overall Length, inches	Replacement Handle
BH122D	Engineer	40	4 1/2	15	BPH40C
BH123D	Engineer	48	4 3/4	15	BPH40C
BH141A	Cross Peen	32	4 1/2	15	BPH20C
BH142A	Cross Peen	40	5	15	BPH40C
BH143A	Cross Peen	48	5 1/2	15	BPH40C
BH133B	Hand Drilling	48	4 1/2	10	BPH133

THE TOOLS OF EVERY TECH'S DREAM.

Techs love tools. But with Snap-on, there is just more to love. We make literally thousands of tools, so when techs shop Snap-on, the possibilities are endless.

THE RANGE.

It does not get any bigger than this. Snap-on offers an incredible range of products, running the gamut from entry-level tools all the way up to pro. And our product line just keeps growing; Snap-on is constantly evolving – and innovating – to outpace ever-changing industry needs.

THE BASICS.

Even our most basic tools possess a certain amount of sophistication. Over the years, we've designed – and then refined – just about everything: files, scrapers, spark plug sockets, pullers, extractors, special service tools, heavy-duty tools and more. The list is exhaustive. So, basically, we have everything you need.



HACKSAWS



HSG325



HSG319



HS5A



HS151

Hacksaw Blades

- Shatter-resistant bimetal for a long life and fast, efficient cutting

Stock No.	Length, inches	Teeth per inch
HSBM1018B	10	18
HSBM1024B	10	24
HSBM1032B	10	32
HSBM1214B	12	14
HSBM1218B	12	18
HSBM1224B	12	24
HSBM1232B	12	32

*Available in packages of ten only

Hacksaws

HSG325 Professional Hacksaw
- Ergonomic front grip for increased comfort and control
- Thermoplastic comfort grip handle
- Spring loaded tensioning mechanism for quick blade changes
- Dual blade positioning, for normal flush cutting or 55° angle
- High blade tension for straighter, more accurate and faster cuts

HSG319 Bi mold Handle Hacksaw
- Solid steel frame overmolded with soft grip for comfortable use
- Designed for 12" (300 mm) blades
- Blade tensioner discretely blends with handle
- Positions for normal flush cutting or 55° angle
- Includes HSBM1224B ten-pack blades

HS5A Mini Hacksaw
- Designed for 10" (250 mm) blades
- 8 1/4" frame fits in limited access areas
- Includes HSBM1024B 10" blade

HS151 Junior Frame Hacksaw
- Designed for 6" blades
- 9 1/2" long
- HSB632B blade included

HSM632 6" Replacement Blade (32 TPI)
- 1/4" wide, 32 teeth per inch, 6" length
- Package of five



HS50



HSEXRL



HSKIT

Quick Cutter Hand Saws

- Features contoured screwdriver type handle for a secure grip
- Saw holder keeps a tight hold on any of the three included blades
- Turn the knurled knob and easily switch blades
- All components neatly packaged in CO417 kit bag

HS50 Quick Cutter Hand Saw
- Includes: HS14X1, HS18X1 and HS24X1

HS14X1 General Purpose Blade
- For metal over 1/8", hard rubber and fiber

HS18X1 Fine Metal Cutting Blade
- For metal 18 gauge to 1/8", nail embedded wood

HS24X1 Heavy Metal Cutting Blade
- For metal 18 gauge and under trim and tubing, plus galvanized pipe under 18 gauge

HSKIT Handsaw Kit
- Ergonomic handle design reduces pressure points and stops hand from sliding
- Handle angle and position of handle to blade teeth reduces sawing forces and increases efficiency
- High quality aluminum body ensures rigidity and retaining/protecting locking mechanism
- Locking system helps reduce play between handle and blade when assembled
- Easy access to lever through handle opening
- Long lever for easy lock and release: security spring locks lever

HSEXRL Handle

HSEX16 General Purpose Blade

HSEX22 Coarse Wood Blade

SCISSORS



YA114



KER1120

Scissors

YA114 Stainless Scissors Blue-Point®
- High quality stainless-steel
- Compact: 3" long

KER1120 Taskmaster Shears
- High carbon stainless-steel blades designed to hold their edge longer and sharpen quickly
- Blades are permanently bonded to comfortable, nonslip handles
- Overall length 9"

SEK74MAK Series Specialty Knives

- Japanese AUS 8 high carbon steel provides superior cutting performance and incredible edge retention
- Modified hollow ground drop-point blade reduces resistance when cutting
- Versatile blade shape is ideal for cutting, skinning, scraping and stabbing
- Ambidextrous flipper and IKBS bearing system ensure smooth, fast opening without springs
- Friction grooves provide positive engagement of thumb or index finger when needed
- 6061 T6 cold forged anodized aluminum handle is durable, lightweight and built to withstand the abuse of a shop environment
- Liner-lock design with recessed liners and barrel spacers create a knife that is safe, strong and thin but still easy to close and clean
- Stainless pocket clip enables tip-down carry for safety and security
- Lanyard hole can be utilized for additional security when cutting

SEK74MAKG Large Wrinkle™ Knife (Green)
SEK74MAKK Large *Wrinkle* Knife (Black)
SEK74MAKO Large *Wrinkle* Knife (Orange)
SEK74MAKR Large *Wrinkle* Knife (Red)
SEK67MAKK Small *Wrinkle* Knife (Black)
SEK67MAKR Small *Wrinkle* Knife (Red)



SEK74MAKG



SEK74MAKK



SEK74MAKO



SEK74MAKR

SEK76LMN Series Specialty Knives

- Satin finish blade with laser cut Snap-on® logo
- Unique modified tanto blade is flat ground – provides a durable edge for easy cutting of tough materials in a shop environment
- Friction grooves on blade spine provide traction for thumb or index finger during cutting
- Tried and true lockback design ensures safety with an ambidextrous thumb stud for easy one-handed opening
- Unique reversible stainless-steel pocket clip for easy carry
- Nylon/fiberglass injection-molded handles are strong and extremely lightweight
  - –Nylon/fiberglass handles resist corrosive shop fluids
  - –Contoured for an ergonomic grip
  - –Slim profile for easy carry
  - –Unique checkered design offers a secure grip in any condition

SEK76LMNG Kommer Lockback Knife (Green)
SEK76LMNK Kommer Lockback Knife (Black)
SEK76LMNO Kommer Lockback Knife (Orange)
SEK76LMNR Kommer Lockback Knife (Red)


SEK76LMNG


SEK76LMNK


SEK76LMNO


SEK76LMNR

SEK86MGN Series Specialty Knives

- Unique modified Tanto-type blade shape ensures a strong tip for multiple cutting tasks
- Razor sharp non-glare bead-blasted 440C stainless steel blade
- Two-tone machined textured G-10 handle provides a secure grip and is virtually indestructible
- Liner lock construction for one-handed opening and closing
- Quick deploy flipper for easy one-handed opening
- Handy pocket clip can be customized to either a tip up or tip down, left-handed or right handed position
- Ambidextrous thumb stud
- Designed by Russ Kommer

SEK86MGNK Black Sniper Knife
SEK86MGNS Sand Sniper Knife


SEK86MGNK


SEK86MGNS

⚠WARNING

- Keep away from children
- Read safety precautions on pages W1 to W4

CUTTING: KNIVES


SO88G


SO88BLK


SO88OR


SO88R

SO88 Series Specialty Knives

- Equipped with a big, slightly drop-pointed blade that offers both excellent slicing and piercing capabilities
- High-performance stainless-steel blade offers excellent corrosion resistance and enhanced looks
- Lightweight machined 6061-T6 anodized aluminum handles, with Trac-Tec inserts, ensure extremely solid grip
- Equipped with SpeedSafe® knife assisted opening technology
  - –A short push on the index point overcomes the resistance built into the torsion bar in the mechanism
  - –*SpeedSafe* knife technology takes over and the blade moves out of the handle quickly and easily
- Inset Liner Lock® mechanism – an inset steel plate functions like a locking liner, in one side of the handle
  - –Upon blade deployment, the steel plate moves behind the blade securely locking it open without all the weight and bulk of full liners
- Includes reversible deep carry pocket clip so the knife can sit all the way down in the pocket

SO88G DASH Knife (Green)
SO88BLK DASH Knife (Black)
SO88O DASH Knife (Orange)
SO88R DASH Knife (Red)

LANDSCAPE TOOLS


PRN75SFS


PRN8P

Pruning Tools

PRN75SFS Folding Pruning Saw
- General purpose folding saw for cutting wood or plastics
- Two component plastic handles for firm grip
- Blade specially coated for low friction and rust protection
- Blade locks in both open and closed position

PRN8P Hand Pruner
- Slicing cutting action requires minimal effort
- High quality carbon steel blades with precision ground edges keep the blade sharp longer
- Glass fiber handle is lighter than aluminum yet stronger than steel
- Strong rubber bumper absorbs shock
- Smooth spring keeps blade in open position while providing minimal resistance in cutting action
- Blades can be locked in closed position

UTILITY KNIVES


YA580A


YA581A

Multipurpose Cutters (Blue-Point®)

YA580A Multipurpose Cutter
- Auto locking, fully retractable blade
- Metal body is black with blue cap and pocket clip
- Includes (one) premium steel 13-point snap blade
- Overall length of 5 3/8"
- Uses YA580A-1 replacement blades

YA581A Multipurpose Cutter
- Three blades with eight snap-off points
- Minimum blade wobble
- Fully retractable

YA580A-1 Replacement Blades
- Individual break-off replacement blades for the YA580A and YA584A multipurpose cutters
- Five-pack

YA581A-1 Blades
- Replacement blades for YA581A
- Ten-pack



UTK100



UTK100SB



UKBU10



UKBU50PK



LBUK1

Utility Knives

UTK100 Utility Knife
- Retractable blade
- Quick release, spring-loaded handle provides fast, sure blade changes
- Integrated hinge handle means no handle parts to lose and no tools required to change blades
- Rubber grip for comfort and control
- Three blade positions: open, half closed and closed

UTK100SB Utility Knife
- Auto retracting
- Quick release, spring loaded handle provides fast, sure blade changes
- Rubber grip for comfort and control
- Includes one safety point, two-notch blade

UKBU10 Utility Knife Blades
- Two-notch double-pointed blades (ten-pack)
- Use with UTK100, UTK100SB, UTK150, LBUK1 and LBUK2 utility knives

UKBU50PK Utility Knife Blades
- Two-notch double-pointed blades (50-pack)
- Dispenser ejects blades one at a time
- Blade guard in the ejector
- Use with UTK100, UTK100SB, UTK150, LBUK1 and LBUK2 utility knives

YA1850A Utility Knife Blades (Blue-Point®)
- 100 three-notch, double-pointed utility blades in bulk packaging

YA1800A Single Edge Razor Blades *(Blue-Point)*
- 100 blades in a plastic dispenser
- Blades have aluminum backs that can be shaped for special applications

LBUK1 Lock Back Utility Knife *(Blue-Point)*
- Folding lock back blade, hardwood handle with belt clip and thumb stud for one-hand opening
- Includes utility knife and leather pouch (both with *Blue-Point* logo) plus ten replacement blades
- Uses UKBU10 (ten-pack) or UKBU50PK (50-pack) replacement blades

⚠WARNING
• Keep away from children
• Read safety precautions on pages W1 to W4

CUTTING: UTILITY KNIVES



LBUK2



UTK150

Utility Knives

LBUK2 Lock Back Utility Knife (Blue-Point®)
- Thumb pad allows controlled application of pressure
- Blades are easily replaced with a flip of the switch
- Blade storage under spring-loaded door
- Includes leather pouch with belt loop plus five replacement blades
- Uses UKBU10 (ten-pack) or UKBU50PK (50-pack) replacement blades

UTK150 Auto Loading Utility Knife
- Exposed blade is easily removed or reversed with the push of a button
- New blade is auto loaded from five blade magazine
- Cushioned handle provides comfort and control
- Three blade positions: 1" and 1/4" exposures and closed
- Uses standard two-notch replacement blades



YA405A

Hobby Knife *(Blue-Point)*

YA405A Hobby Knife
- 5 1/2" long aluminum handle with bottom knurl and knurled brass nose cap
- Includes the following blades: YA405-1, YA405-2, YA405-3, YA405-4

YA405-1 23° Angle Blade
YA405-2 50° Angle Blade
YA405-3 Curved Edge Blade
YA405-4 Straight Chisel Edge Blade



KER2535



SCKS1

Knife Sharpeners

KER2535 Blade Sharpener
- Embedded with 600 grit diamond coating, bonded with nickel plating to a lightweight tube
- Length is 8.5" (20.3 cm): sheath is 5.5" (12.7 cm)

SCKS1 Carbide Knife Sharpener
- Preset angle simplifies sharpening of all blades (except serrated)
- Slip resistant rubber base pads increase steadiness in sharpening position
- Lightweight 1.7 oz
- Compact, 1.8" x 2.2" x .25"
- Strong 6061-T-6 aircraft aluminum frame
- Tungsten carbide sharpening element will sharpen the toughest blades

Comfort



SGFRD104



SGFMA104



SGFHR104

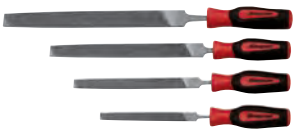


SGFMX104

Instinct®



SGHBF200A



SGHBF300A



SGHBF400A



SGHBF500A

Bastard Cut Individual Files

Additional mill file sizes are also available

	Stock No.	Uses Handle	Diameter, inches	Cut	Length, inches	SGFRD104 Comfort Grip	SGFMA104 Comfort Grip	SGFHR104 Comfort Grip	SGFMX104 Comfort Grip	SGHBF200A *Instinct*	SGHBF300A *Instinct*	SGHBF400A *Instinct*	SGHBF500A *Instinct*
Round Files	6R*	SGHF614BR	7/32	—	6					•			
	8R*	SGHF614BR	9/32	—	8					•			•
	10R*	SGHF615BR	3/8	—	10					•			
	12R*	SGHF616BR	1/2	—	12					•			
	SGF6R	–	—	—	6	•							
	SGF8R	–	—	—	8	•			•				
	SGF10R	–	—	—	10	•							
	SGF12R	–	—	—	12	•							
Mill Files	6MA*	SGHF614BR	—	5 1/2	6						•		
	8MA*	SGHF615BR	—	7 1/2	8						•		•
	10MA*	SGHF616BR	—	9 1/2	10						•		•
	12MA*	SGHF617BR	—	11 1/2	12						•		
	14MA*		—	13 1/2	14								
	SGF6MA	–	—	—	6		•		•				
	SGF8MA	–	—	—	8		•		•				
	SGF10MA	–	—	—	10		•						
	SGF12MA	–	—	—	12		•						
Half Round Files	6HR*	SGHF614BR	—	—	6							•	
	8HR*	SGHF615BR	—	—	8							•	
	10HR*	SGHF616BR	—	—	10							•	
	12HR*	SGHF617BR	—	—	12							•	
	SGF6HR	–	—	—	6			•					
	SGF8HR	–	—	—	8			•					
	SGF10HR	–	—	—	10			•					
	SGF12HR	–	—	—	12			•					
Three Square File	6T*	SGHF614BR	—	5 1/2	6								•
	SGF6T	–	—	6	6				•				
	10T*	SGHF616BR	—	9 1/2	10								
Instinct Handles	SGHF614BR	–	—	—						2	1	2	2
	SGHF615BR	–	—	—						1	1	1	1
	SGHF616BR	–	—	—						1	1	1	1
	SGHF617BR	–	—	—							1		
Kit Bag						PAKKB069	PAKKB069	PAKKB069	PAKKB069	C0413A	C0413A	C0413A	C0413A

*Handle ordered separately

Miniature Files

Stock No.	Description	SGFMN106 Set Contains:
SGF4MA	Hand	•
SGF4W	Warding	•
SGF4HR	Half Round	•
SGF4SQ	Square	•
SGF4R	Round	•
SGF4T	Triangular, Slim Taper	•



SGFMN106

WARNING

- Keep away from children
- Read safety precautions on pages W1 to W4

FILES



HBFN120A

Swiss Needle

HBFN120A Set
- 12 needle files with round, knurled handles
- Each is 5 1/2" long and "0" cut for coarse filing
- Packaged in a plastic pouch

HF611A File Handle
- Plastic screwdriver collet style handle for holding individual files in HBFN120 set

Stock No.	Description
5NRA	Round
5NHRA	Half Round
5NFA	Flat
5NCA	Crossing
5NKA	Knife
5NSQA	Square
5NTSB	3 Square
5NEA	Equaling
5NBA	Barrette
5NJA	Joint
5NSA	Slitting
5NMA	Marking



6T

3 Square Files

6T 6" long, 5 1/2" cut length.
10T 10" long, 9 1/2" cut length.



6CR

Single Cut Chain Saw Files

6CR 6" long, 5/32" diameter. Uses HF611A file handle.
8CR 8" long, 7/32" diameter.



10FMK

Multicut Flat File

10FMK Multicut Flat File
10" long.

ACCESSORIES



SGHF616BR

Soft Grip Handles

- For all bastard cut files that use replacement soft grip handle
- Feature twist-on threads for securely holding files

Stock No.	For Files
SGHF614BR	4MA, 6CR, 6R, 6T, 6MA, 6HR, 8CR, 8R
SGHF615BR	8T, 8MA, 8HR, 10R
SGHF616BR	10T, 10MA, 10HR, 12R
SGHF617BR	12MA, 12HR



GA613

Wooden Twist-on Handles

- Wooden twist-on handles with case hardened, threaded steel inserts
- Use on all bastard cut files on this page

Stock No.	For Files
GA613	4MA, 8CR, 6R
GA614	6T, 6MA, 6HR, 8R
GA615	8T, 8MA, 8HR, 10R
GA616	10T, 10MA, 10HR, 12R
GA617	12MA, 12HR
GA618	14MA, 16MA



GA98A

GA98A Plastic Adjustable Jaw Handle (Blue-Point®)

- Provides a large, comfortable grip for all bastard cut files
- Adjustable jaws grip the file so it can't turn
- Use on files 4"–16" long
- 4 1/2" long, 1" in diameter, 3/8" maximum opening



YA337A

YA337A File Cleaner

- Bristle area of 3 1/2" x 1 1/2" with .013" (33 ga.) wire
- Wooden handle
- 7 1/2" long

SCRAPERS AND PUTTY KNIVES



PKN90



PKNG90

Large Surface Scrapers

PKN90 Non-marring Large Scraper
- Glass reinforced nylon offers great blend of flexibility and strength
- Non-marring composite material will not scratch soft metals, paint or composites
- Large handle for easy grip
- Ideal for use on cylinder blocks or other large gasket mating surfaces
- Removal of corrosion on flat metals (aluminum, steel, etc.) with suitable etch cleaners and rust removal solutions, primer preparation and cleaning of stainless steel surfaces
- Can be used with suitable chemicals in removal of paint coatings, gel coats, etc.
- Ideal for lacquer/paint stripping and final smoothing on wood surfaces

PKNG90 Glass/Acrylic Large Scraper
- Designed for use on glass and acrylic surfaces
- Will not scratch those surfaces like metal tools
- Large handle for easy grip
- Orange color to visually identify difference from black nylon glass-filled products
- Works well when removing dirt/debris, windshield decals, adhesive mounts for mirrors, dealer sticker removal, tree sap, algae removal from fiberglass boats, and during the removal of window tinting



PKNC300



PKNC301

Striking Scrapers

- Striking cap is designed for hammering
- Heavy duty blade extends through the handle and meets the cap to equally distribute the striking force
- Thick, polished, high carbon steel for durability
- Ergonomic soft grip handle for secure grip when striking
- Can be used as a chisel or scraper

Stock No.	Description	Blade Width, inches	PKNC301	PKNC300
PKNC150	Single Bevel	1 1/2		•
PKNC125C2	Dual Bevel	1 1/4		•
PKNC200	Single Bevel	2		•
PKNC050	Single Bevel	1/2	•	
PKNC075C2	Dual Bevel	3/4	•	
PKNC075	Single Bevel	3/4	•	

Set Contains:

PKNC125C2 Striking Scraper (1 1/4")
Dual bevel design for two distinct blade lengths.



PSN500



PKN500

Non-marring Tool Sets

- Unique selection of tip profiles for numerous prying, scraping, aligning, cutting and shielding applications
- Includes a cloth kit bag to organize and store tools
- Intended for general automotive use
- Do not use on surfaces such as glass or clear acrylics
- Glass-reinforced nylon provides strength
- Lightweight and resistant to most automotive fluids
- Useable with hammers (block end/tap into position)
- Avoids scratching or gouging of soft materials

Stock No.	Blade Style/Tip Profile	Blade Width, inches	PKN500 Scrapers	PSN500 Tools
PKN1	Straight Blade	7/8	•	
PKN2	Straight Blade	1 1/4	•	
PKN3	Curved Blade	1 1/8	•	
PKN4	Angle Blade	3/4	•	
PKN5	Curved Blade	5/8	•	
PBN10	90° L	—		•
PBN11	Narrow Wedge	—		•
PBN12	Curve Cup	—		•
PBN14	Narrow Point	—		•
PKN7	Curve Tube	—		•
Kit Bag			C0100	C0100

Set Contains:



CSA300AR



CSA8CO

Rigid Carbon Scrapers

- 1/4" square shanks are flared to form scraping edge
- Classic screwdriver type handle

Stock No.	Handle Color	Length, inches	Blade Width, inches	Blade Style	CSA300A	CSA300AO	CSA300AR
CSA8C	Black	7 5/8	7/8	Straight	•		
CSA8CO	Orange	7 5/8	7/8	Straight		•	
CSA8CR	Red	7 5/8	7/8	Straight			•
CSA12C	Black	12 7/8	1	Straight	•		
CSA12CO	Orange	12 7/8	1	Straight		•	
CSA12CR	Red	12 7/8	1	Straight			•
CSA14C	Black	14 1/8	1 1/2	Straight	•		
CSA14CO	Orange	14 1/8	1 1/2	Straight		•	
CSA14CR	Red	14 1/8	1 1/2	Straight			•

Set Contains:



USS103

Knife Blade Scrapers (Blue-Point®)

- Remove gaskets, sealers and other caked-on materials
- Blade edge designed to work effectively in both push and pull directions
- Stainless steel blades for durability
- Polished blades clean up easily
- Comfortable composite handles feature a contour thumb stop for maximum control and a wide hilt for control

Stock No.	Blade Style	Blade Length, inches	Length, inches	USS103
US710	Spoon	3 3/8	8	•
US711	Chisel Tip	2 1/2	7 1/8	•
US712	Oyster	2 1/8	6 3/4	•

Set Contains:

WARNING

- Keep away from children
- Read safety precautions on pages W1 to W4

SCRAPERS AND PUTTY KNIVES



PK500A

Putty Knives/Scrapers (Blue-Point®)

- Full length steel blades for strength and durability
- Soft molded rubber handles maximize hand grip, are easy to clean and resistant to most solvents
- Broad hilt design helps protect against hand slipping when scraping

Stock No.	Blade Length, inches	Blade Width, inches	Blade Style	Edge	Set Contains: PK500A
PK50A	3 1/2	2	Flexible	Straight	•
PK52A	3 19/32	1 1/4	Flexible	Straight	•
PK53A	3 19/32	1 1/4	Stiff Chisel	Single Bevel	•



PKB500A

Brass Putty Knives/Scrapers *(Blue-Point)*

- Spring-tempered, solid brass blades are non-marring, non-sparking, non-magnetic and non-corrosive
- Soft molded rubber handles maximize hand grip, are easy to clean and are resistant to most solvents
- Broad hilt design helps protect against hand slipping when scraping
- Stiff blade style

Stock No.	Handle Length, inches	Blade Length, inches	Blade Width, inches	Blade Style	Edge	Set Contains: PKB500A
PKB50A	4 7/8	3 1/2	2	Stiff	Straight	•
PKB52A	4 7/8	3 19/32	1 1/4	Stiff	Straight	•
PKB53A	4 7/8	3 19/32	1 1/4	Stiff	Single Bevel	•



PKWHD53A

Walnut Handled Scrapers *(Blue-Point)*

- Quality crafted for hard scraping applications
- Walnut wood handle for comfort
- Full length heavy duty blades for strength
- Large steel cap for striking capability
- Remove gaskets, sealants and body weld breakaway

Stock No.	Blade Length, inches	Blade Width, inches	Blade Style	Edge	Length, inches	Set Contains: PKWHD53A
PKWBS53A	3	1 1/4	30° Bent	Chisel	7 1/2	•
PKWLR53A	5 1/2	1 1/4	Straight	Chisel	9 1/2	•
PKWSS53A	2 3/4	1 1/4	Straight	Chisel	6 3/4	•



PK23A

Maple Handle Putty Knife *(Blue-Point)*

- Mirror finished hardened steel blade extends through hardwood handle, solidly riveted for durability
- Maple handle has metal bolster where handle meets blade

Stock No.	Handle Length, inches	Blade Width, inches	Blade Style	Edge
PK23A	3 7/8	1 1/4	Heavy Chisel	Single Bevel



CS1



PK70



MS3000



PKRS1

Scrapers

CS1 Flexible Wire Carbon Scraper
- Ten blades made of oil tempered spring steel
- Sliding ferrule is used to adjust to the required flexibility

PK70 Multipurpose Scraper *(Blue-Point)*
- Use for gasket removal, deburring, car body work and rust removal
- Durable tungsten carbide blades
- Ergonomic handle reduces fatigue
- Thumbgrip allows precision scraping

PK70TRI Replacement Blade
For PK70.

PK70ROUND Replacement Blade
For PK70.

PK70DROP Replacement Blade
For PK70.

PK70PEAR Replacement Blade
For PK70.

MS400 Compact Scraper (4") *(Blue-Point)*
- Removes stickers, molding paint and decals
- Use with standard, single edge steel or plastic razor blades
- Quick and easy blade changes
- Angled head provides maximum leverage
- 4" long

MS800 Standard Scraper (8") *(Blue-Point)*
- Same as MS400 except 8" long

MS1300 Long Scraper (13") *(Blue-Point)*
- Same as MS400 except 13" long

MS3000 Scraper Set *(Blue-Point)*
- Includes MS400, MS800, MS1300 and MSRPACK5 in storage case

PKRS1 Ergo Grip Razor Scraper *(Blue-Point)*
- Three blade positions: closed, open and loading
- Rubberized contour grip provides comfort and a sure gripping surface
- Uses YA1800 Replacement Blades

Cutters

VGP18210 Chain Pipe Cutter
- Quickly and easily cuts exhaust pipes with 13 alloy cutting wheels in chain
- Cuts stainless-steel, copper and PVC piping from 15 mm up to 75 mm (19/32"–2 15/16") in diameter, up to 2.6 mm (3/32") wall thickness
- Locking mechanism helps avoid lateral movement and misaligned cutting
- Large butterfly screw allows application of greater force to cutting wheels with each series of cut

VGP18210-1 Replacement Chain
- For VGP18210

TC90A Tail Pipe Cutter
- Handles on the car cutting from 3/4"–3 1/2" diameter
- 16-link cutter chain is 12" long
- Threaded shaft with cross piece provides elasticity to help prevent chain wheels from breaking
- Ideal for cutting the strut assembly to enable servicing of the strut cartridge

TC90A1 Chain Assembly
- Includes one wheel and one roll pin



VGP18210



TC90A

Exhaust Tools

YA1300 Manifold Jack (set of 2)
- Use to expand manifold to its original shape and bolt hole alignment
- Use with a 3/4" open end wrench

YA3202 Exhaust Hanger Removal Pliers
- Remove hanger brackets from rubber mounting straps by placing jaw behind rubber grommet ring and forcing pin of pliers on the end of steel hanger
- When handles are squeezed, the forcing pin pushes the ring off the hanger
- 14" long



YA1300



YA3202

Expanders

PH800 Tailpipe Expander with Collets
- Simple and convenient set for tailpipe expansion jobs
- Using an impact wrench the pipe stretcher is a convenient, inexpensive alternative to hydraulic pipe expander
- Can be used right on the vehicle
- Includes PH300 and five aluminum collets
- Expands from 1 5/8"–4 1/4"
- Includes molded storage case

PH300 Tailpipe/Exhaust Stretcher
- Stretches all types of exhaust pipe, including stainless steel, from 1 5/8"–2 7/16"
- Use with an impact wrench

CG5560HY Hydraulic Tailpipe/Exhaust Stretcher Conversion Kit
- Converts PH300 tailpipe/exhaust stretcher to the convenience and power of hydraulic operation
- Includes the CG122 10 ton hydraulic ram and pump set and hydraulic cone adaptor

CG5560 Tailpipe/Exhaust Stretcher Conversion Kit
- Add to CG122 10 ton hydraulic ram and pump set to add hydraulic power to the PH300
- Includes exhaust pipe and instructions



PH800



PH300



CG5560HY

TUBING, CUTTERS, FLARING AND BENDING



TC15A



TC28C



TC123C



TC123CR



TC25A



TBS100



TBS200A



TBS300



GA244

Cutters

TC15A Ratcheting Cutter
- Ratchet action allows cutting all the way around the tubing by simply pumping the handle
- Handles 1/8"–3/8" O.D. copper, plastic and PVC tubing
- Ideal for fuel, vacuum and air conditioning applications
- 3 7/8" long

TC15-7C Cutting Wheel
- Standard replacement cutting wheel for TC15A tube cutter

TC15-HSS Small Cutting Wheel
- High speed steel cutting wheel

TC28C Tubing Cutter (Blue-Point®)
- Cuts soft metal tubing ranging from 1/8"–1" in diameter
- O.D. capacity is 1/8"–1 1/8"
- Micrometer type adjustment
- Retractable locking reamer blade
- Cutter wheel is easily replaceable

TC28C1 Cutting Wheel
- Extra cutter wheel for TC28C

TC123C Tubing Cutter *(Blue-Point)*
- Handles tubing from 1/8"–5/8" O.D.
- Can be used where clearance around tubing is less than 1 3/8"
- 1 1/2" long when closed and 2" long when open; feed knob is 7/8" in diameter

TC123CR Ratcheting Tube Cutter *(Blue-Point)*
- TC123C cutter and TC123CRH handle combined into one unit

TC123CRH Ratcheting Tube Cutter Handle
- Handle for TC123C tube cutter

TC123C1 Cutting Wheel
- Extra cutter wheel for TC123C

TC25A Ratcheting Cutter *(Blue-Point)*
- Designed for automotive, plumbing, air conditioning, marine, chemical laboratories, refineries and hydraulic industries
- Cuts steel, copper, brass, aluminum, plastic and PVC sizes 5/16"–1 1/8" diameter
- Ratcheting tube cutter with unique spring loaded action mechanism allows one or two tightening adjustments to complete the cut in very hard-to-reach places
- Ratchet motion allows operation in close quarters
- High-impact fiberglass handle is strong and lightweight

Bending Tools

TBS100 Tubing Bender
- Bends tubing up to 1/4" O.D.
- Bends copper, brass, bundy weld, noncoated brake lines and more
- Comfort grip handle
- 7" long

TBS200A Multipurpose Tubing Bender *(Blue-Point)*
- Makes left, right or offset bends up to a 90° angle
- Degrees shown for accurate bending angle
- Handles 3/16", 1/4", 5/16" and 3/8" (4 mm, 6 mm and 8 mm) O.D. aluminum, copper and stainless steel tubing
- Aluminum unit is 8 1/4" long when opened

TBS300 Tubing Bender *(Blue-Point)*
- Easily bend 1/4, 5/16 and 3/8" O.D. soft copper or aluminum tubing up to 180°
- Degrees, in 15° increments, noted on tool for accurate bends
- Pull lever to easily disengage tool after bending
- Cushioned handles provide comfort and control, even with greasy hands
- Offset handles provide hand clearance when making 180° bends
- Lightweight, die cast aluminum construction
- Overall length is 10 1/2"

GA244 Tubing Bender
- Allows smooth bend without denting tubing
- Makes bends to 180° and 13/16"
- Handles 3/16", 1/4" and 5/16" O.D. steel and copper tubing
- Reversible forming pad
- Polypropylene posts minimize friction



TF528D



TF5A



TF275A



TFM428

Flaring Tool Sets (Blue-Point®)

TF528D Tube Cutting and Double Flaring Set
- Contains TC28C tubing cutter and a double flaring set with a flaring bar, rod handle, yoke and five adaptors: 3/16", 1/4", 5/16", 3/8" and 1/2" and storage case

TF5A Double Flaring Tool Set
- Makes double or single flares on soft steel, brass or aluminum tubing from 3/16"–1/2" O.D.
- Makes a smooth fitting, crack-free 45° flare
- Set includes five adaptors, yoke assembly, bar assembly and handle
- Storage case included

TFM5A Metric Double Flaring Tool Set
- Same design as TF5A except it is for tubing with an O.D. from 4.75 mm–10 mm
- Set includes yoke, bar assembly, handle and five adaptors: 4.75 mm, 5 mm, 6 mm, 8 mm and 10 mm

TF275A Flaring and Swaging Set
- 45° flare or swage soft copper, brass or aluminum tubing
- Die blocks handle 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", and 3/4" O.D. tubing
- Swages 3/16", 1/4", 5/16", 3/8", 1/2", 5/8" and 3/4" O.D. tubing
- TF275PB storage case included

TFM428 Metric Bubble Flaring Set
- For automotive brake systems
- Designed for crack-free bubble flares on soft wall tubing up to a wall thickness of .028"
- Adaptors included for 4.75 mm, 6 mm, 8 mm and 10 mm flares
- TFM428PB storage case included

TFM428PB Plastic Box



TFL500

TFL500 and TFL800 Flaring Kit
- Use with a ratchet to make consistent flares faster and easier
- Makes double flares on 3/16" and 4.75 mm tubing
- Low-profile design allows for use on or off the car
- In-line design makes a more accurate flare
- Double clamp and hex screw design keeps tubing locked tightly in position
- For use on thin walled steel and copper tubing



TFL800

TFLM800 Flaring Kit
- Use with a ratchet to make consistent flares faster and easier
- Makes double flares on 4.75 mm, 5 mm and 6 mm tubing
- Low-profile design allows for use on the car or off
- In-line design makes a more accurate flare
- Double clamp and hex screw design keeps tubing locked tightly in position
- For use on thin walled steel and copper tubing



TFLM800

WARNING • Read safety precautions on pages W1 to W4

SPARK PLUG SERVICE TOOLS


YA824C


YA824ASTR


SBP5


SBP3


YA8230

Boot Pliers

YA824C Spark Plug Boot Pliers
- 45° offset jaws
- Vinyl coated jaws and handles assure gripping ability
- Use only on automotive type ignition systems
- 9 1/2" long

YA824ASTR Boot Pliers
- Straight jaw version of YA824C
- 9 3/4" long

SBP5 Boot Pliers
- Five positions for easy access to restricted spark plugs
- Internal spring keeps pliers in the open position
- Vinyl coated jaws and handles
- Black industrial finish
- 10" long

SBP3 Boot Pliers
- Vinyl coated offset jaw tips will pull most US and import spark plug boots, including the back plugs on late model Porsche® and Mercedes-Benz® vehicles
- Vinyl covered handles are cushioned for comfort

YA8230 Valve Stem Seal Pliers
- Removes valve stem seals from overhead camshaft engines including four valve-per-cylinder engines that have restricted access to the valve stem seal
- Gripping serrations in the pliers tip easily grab both OEM and aftermarket seals with ease
- Easy-grip handles


FSPK


FSPPRK

Spark Plug Extractors

FSPK Spark Plug Extractors
- Removes broken spark plugs from cylinder head on Ford® Triton 5.4 L three-valve engines, 4.6 L engines and 6.8 L engines without removing head

Stock No.	Description	Set Contains: FSPK
FSPK1	Barrel	•
FSPK2	Threaded Shaft	•
FSPK3	Nut	•
FSPK4	Thrust Washer	•
FSPK5	Vinyl Cap	•
T910M	Metric Tap	•

Optional Tap Holder TDL8-10

Applications (engines covered):
4.6 L V8 2005–2008 (*Ford* Mustang, Explorer, Mercury® Mountaineer); 5.4 L V8 2004–2008 (*Ford* F150, F250 Super Duty, F350 Super Duty, E450 Super Duty, Expedition, Lincoln® Navigator, Mark LT); 6.8 L V10 2005–2008 (*Ford* F250 Super Duty, F350 Super Duty, F450 Super Duty, F550 Super Duty, E450 Super Duty, E450 Econoline)

FSPPRK1 *Ford* Porcelain Repair Kit washer, center screw, guide, hex nut, end nut

FSPPRK2 Pins (10pk)

FSPPRK3 *Loctite* (680, 5 mil.)

FSPPRK4 Clean Out Wire

FSPPRKB Storage Case

Porcelain Extractors

FSPPRK Porcelain Extractor Set
- Used in combination with FSPK spark plug extractor kit for use on *Ford* vehicles to remove any porcelain left behind from the process of extracting the plug
- Tool does not push the porcelain through the sleeve, preventing engine damage
- Four cylinders can be worked on at one time to save time and money
- Set includes porcelain repair kit for use on *Ford* vehicles, pins (10 pack), special Loctite® 680 adhesive (5 mL) to remove broken porcelain, clean out wire and blow molded storage case


YA832A


YA840


HB5PK


FRT10


FRT12


YA6845

Spark Plug Tools

YA832A Spark Plug Firing Indicator (Blue-Point®)
- Test spark plugs, coils and distributors on breaker point and electronic ignition systems
- Blunt nose tip prevents lead puncturing
- High intensity bulb and viewing window for greater flash concentration
- 4 3/4" long

YA840 In Line Spark Tester *(Blue-Point)*
- Quickly diagnose ignition systems
- Works on all ignition systems including distributorless ignitions
- Status of indicator light shows if problem exists in the ignition system or fuel system

HB5PK Spark Plug File Set
- Fine, single cut tungsten file for smoothing or cleaning spark plug and other contact points
- Includes (two) HB5 spark plug files

FRT10 Spark Plug Insert Installer Set *(Blue-Point)*
- Repairs damaged heads from blown spark plugs with an alloy steel insert in as little as 15–45 minutes
- Services modular cylinder heads on Ford® vehicles 4.6 L, 5.4 L and 6.8 L
- Set Includes tap, Core Drill, Guide, Storage Case, Instructional DVD and Spark Plug Insert

FRT12 Three Valve Insert Kit for *Ford* Vehicles *(Blue-Point)*
- Repair cylinders without removing the head
- Custom guide, tap and drill for quick and simple repair of damaged threads
- Unique insert installer makes the job quick and easy
- Works on three-valve 5.4 L and 6.8 L engines built before 10/9/2007
- Also works on three-valve 4.6 L engines built before 11/30/2007 found on many 2004–2008 *Ford*, Lincoln® and Mercury® vehicles
- Set includes Tap, Core Drill, Guide, Insert Installer, Insert and Storage Case

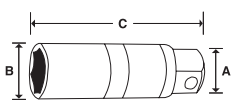
YA6845 Spark Plug Boot Remover
- For use on ripped or stuck spark plug boots
- Easily saves time as it is awkward to use a pliers to try to get the stuck boot off, especially when the spark plug is in a recessed or confined area where vision is limited
- Made from high quality heat-treated steel
- High-tech black finish

Applications for *Ford* vehicle:
4.6 L V8 two valve heads (1997–1999); 4.6 L V8 two valve heads (2000 and later); 4.6 L V8 three valve heads (2007 and later); 5.4 L V8 two valve heads (1997–2004); 5.4 L V8 three valve heads (2005 and later); 6.8 L V10 two valve heads (1999–2008); 6.8 L V10 three valve heads (2008 and later)

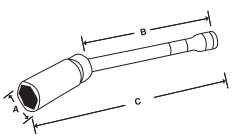
Applications for Chrysler® vehicle:
3.7 L V6 2 valve heads (2005 and later); 5.7 L V8 Hemi 2 valve heads (2004 and later)

Other Applications:
Applications where the diameter of the porcelain on the spark plug is smaller than 0.432 of an inch.

FLANK DRIVE® SPARK PLUG SOCKETS




S9721A




FSXK320A

Double Swivel (3/8" Drive), inches
- Use double swivel universals for rear spark plug removal or installation on transverse V6 engines

	6	C	Rubber Insert
5/8	S9721A	4 13/16	S9706KARI

Flexible Extension (3/8" Drive), inches

	6	B	C	Rubber Insert
5/8	FSXK320A	2 15/32	5 11/32	S9706KARI

⚠WARNING
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

FLANK DRIVE® SPARK PLUG SOCKETS



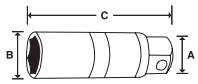
S9706KFUA



S9706KFUAMAG



S9710C



Universal (3/8" Drive)

#	6	A	B	C	Rubber Insert
13/16"	S9704KFUA	3/8	13/16	3 9/16	S9705A2
5/8"	S9706KFUA	3/8	5/8	3 23/32	S9706KARI
14 mm	S9714MKFUA	3/8	25/32	3 1/8 (79.5)	–
9/16"	S9716KFUA	3/8	3/4	2 15/16	S9714MK-2
5/8"	S9706KFUAMAG	3/8	27/32	3 3/4	–

Ball Joint Swivel (3/8" Drive), inches

#	6	C	Rubber Insert
13/16	S9709KB	3 25/32	S9705A2
5/8	S9710KC	3 25/32	S9706KARI

Magnetic (3/8" Drive), inches

#	6	B	C
9/16	S9716KLMAG	25/32	5 7/8
5/8	S9706KMAG	11/16	2 19/32
13/16	S9704KMAG	11/16	2 11/16
14 mm	S9714MKMAG	19.6	57.2



S9706KMAG



S9716KR



S9706KRFUA



S9704KR



S9714MKR

Retention Spark Plug Sockets (3/8" Drive)

- Patented tapered hex design (U.S. Patent #6,626,067)
- Securely retains spark plug in socket without rubber insert or magnet
- Patented "Diamond Wedge" design with six wedges equally align plug in the center to avoid damage to the porcelain
- Spark plug is easily disengaged by applying gentle side pressure
- Spark plug socket configuration is cold formed for extended tool life
- External hex on standard models for restricted access applications
- Knurled surface for finger tightening/removal
- Side through hole for secure extension retention for coil on plug applications

Applications: 4.7 L engines used on Jeep® Commander and Grand Cherokee®, Dodge® Ram, Durango and Dakota plus Chrysler® Aspen vehicles. General applications on autos, light trucks, motorcycles and power equipment.

#	6	A	B	C
9/16"	S9716KR	5/8	25/32	2 3/8
5/8"	S9706KRFUA	—	27/32	3 3/4
5/8"	S9706KRA	11/16	27/32	2 7/8
13/16"	S9704KR	7/8	1 1/16	2 27/32
14 mm	S9714MKR	16 mm	19.6 mm	60.3 mm

ANSI® B107.34M

S9706KRA/S9706KRFUA

S9716KR Applications: 2005 Ford® Mustang (4.6 L, three-valve engine) and *Ford* 2004 F150 (5.4 L V8, three-valve engine)

S9714MKR Applications: 14 mm spark plugs used in Nissan® 1.8 L Versa® and 2.0 L Sentra, Mercedes® and BMW® vehicles

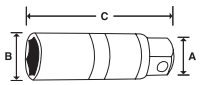


S9720KA

Extra Deep (3/8" Drive), inches

#	6	C	Rubber Insert
13/16	S9719KA	5 7/8	S9719-2A
5/8	S9720KA	5 31/32	S9706KARI
9/16	S9716KL	5 7/8	S9714MK-2

Special Application



S9723 Offset Spark Plug Socket
- 5/8" offset spark plug socket for limited access situations
- Remove/install the spark plug on the #3 cylinder without interference from the steering column on GM® 4.3 L V6 engines used in GMC® Jimmys, Chevy® Blazers, S10 and S15 pickup trucks (1994–2004) plus Oldsmobile® Bravadas (1996–2001) vehicles
- Use with 11" extension
- 12-point *Flank Drive* wrenching system
- Industrial black finish
- 1 1/2" length, 1 3/4" height, 3/8" drive



S9723

S9724RHS Low-Profile Spark Plug Socket
- Low-profile socket easily reaches 5/8" (16 mm) spark plugs on muscle cars, ATVs, motorcycles and boats without interference from custom exhausts or chassis
- Spark plug extends through the socket for access in tight quarters
- Patented tapered hex design retains spark plug securely without rubber insert or magnet
- Spark plug is easily disengaged from socket by applying side pressure
- Use ratcheting box wrench on 5/8" external hex drive
- 1 1/16" length



S9724RHS

Applications:
Harley-Davidson® motorcycles with large gas tanks (1986 and later Sportster® and 1999 and later twin cam models) plus small block *Chevy*, Ford® and Mopar® vehicles and other engines with 5/8" (16 mm) spark plugs and racing exhaust headers

S9704RHS Low-Profile Spark Plug Socket
- Low-profile socket easily reaches 13/16" spark plugs on muscle cars, ATVs, motorcycles, RVs and boats without interference from custom exhausts or chassis
- Spark plug extends through the socket for access in tight quarters
- Patented tapered hex design retains spark plug securely without rubber insert or magnet
- Spark plug is easily disengaged from socket by applying side pressure
- Use with open end or ratcheting box wrench on 13/16" external hex drive
- 1 1/4" length



S9704RHS

Applications:
Small or big block *Chevy*, *Ford* and *Mopar* vehicles and other engines with 13/16" spark plugs and racing exhaust headers

Standard (3/8" Drive), inches

	6	A	B	C	Rubber Insert
9/16	S9716KA*	5/8	23/32	2 1/8	S9714MK-2
5/8	S9706KA*	3/8	27/32	2 27/32	S9706KARI
3/4	S9718KA*	3/8	31/32	2 13/32	S9705A2
13/16	S9704KA*	3/8	7/8	2 3/4	S9705A2
7/8	S6106KA**	3/8	7/8	3 13/64	S6106-2R

*ASME®/ANSI® B107.34M
**Designed for aircraft applications



S9716KA



S9706KA



S6106KA

Standard (3/8" Drive), mm

mm	6	12	A	B	C	Rubber Insert
18 mm	S9711KA	–	11/16	24.3	66.9	S9706KARI
14 mm	–	S9714MK	5/8	18.0	60.3	S9714MK-2
14 mm	S9714MKL	–	19.0	19.6	149.2	S9714MK-2

ASME/ANSI B107.34M



S9711KA



S9714MK



S9714MKL

SPARK PLUG SOCKETS Blue-Point®

Spark Plug Sockets, inches

	6	Length
5/8	BLPSPS3858	2 9/16
13/16	BLPSPS381316	2 1/4



BLPSPS3858



BLPSPS381316

⚠WARNING



- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

THREAD RESTORING: RETHREADING TAPS AND DIES



RTD48

RTD48 US/Metric Master Rethreading Kit
- Includes taps and dies
- Also includes TF1124B and TFM7530B thread restorer files
- All components stored in storage case (48pc)



TRF3

TRF3 US Rethreading Tap Set (NF)
- Includes six NF taps and 12 NF dies (18pc)
- Black finish



TRC3

TRC3 US Rethreading Tap Set (NC)
- Includes six NC taps and 12 NC dies (18pc)
- Silver finish



RTD15M

RTD15M Metric Rethreading Tap & Die Set
- Includes seven metric dies and seven metric taps (14pc)
- Gold finish

Rethreading Tap and Die Set Components

			Set Contains: RTD48	TRC3	TRF3	RTD15M
	Size, inches (mm)	Stock No.	RTD48	TRC3	TRF3	RTD15M
NC Rethreading Taps 	1/4–20	TRT2520A	•	•		
	5/16–18	TRT3118A	•	•		
	3/8–16	TRT3716A	•	•		
	7/16–14	TRT4314A	•	•		
	1/2–13	TRT5013A	•	•		
	9/16–12	TRT5612A	•	•		
NF Rethreading Taps 	1/4–28	TRT2528A	•		•	
	5/16–24	TRT3124A	•		•	
	3/8–24	TRT3724A	•		•	
	7/16–20	TRT4320A	•		•	
	1/2–20	TRT5020A	•		•	
	9/16–18	TRT5618A	•		•	
Metric Rethreading Taps 	(M6 x 1)	TRT51	•			•
	(M8 x 1.25)	TRT53	•			•
	(M10 x 1.5)	TRT54	•			•
	(M10 x 1.25)	TRM1025-2	•			•
	(M12 x 1.75)	TRT55	•			•
	(M12 x 1.5)	TRT56	•			•
	(M12 x 1.25)	TRT57	•			•
	(M10 x 1.00)	TRT101	•			
	(M11 x 1.50)	TRT11150	•			
	(M14 x 1.50)	TRT14150	•			
NC Rethreading Dies 	1/4–20	TR2520A	•	•		
	5/16–18	TR3118A	•	•		
	3/8–16	TR3716A	•	•		
	7/16–14	TR4314A	•	•		
	1/2–13	TR5013A	•	•		
	9/16–12	TR5612A	•	•		
	5/8–11	TR6211A	•	•		
	3/4–10	TR7510A		•		
	7/8–9	TR8759A		•		
	1–8	TR10008A		•		
	1 1/8–7	TR11257A		•		
	1 1/4–7	TR12507A		•		
NF Rethreading Dies 	1/4–28	TR2528B	•		•	
	5/16–24	TR3124B	•		•	
	3/8–24	TR3724B	•		•	
	7/16–20	TR4320B	•		•	
	1/2–20	TR5020B	•		•	
	9/16–18	TR5618B	•		•	
	5/8–18	TR6218B	•		•	
	3/4–16	TR7516A			•	
	7/8–14	TR8714A			•	
	1–14	TR10014A			•	
	1 1/8–12	TR11212A			•	
	1 1/4–12	TR12512A			•	
Metric Rethreading Dies 	(M6 x 1)	TDM51B	•			•
	(M8 x 1.25)	TDM53B	•			•
	(M10 x 1.5)	TDM54B	•			•
	(M10 x 1.25)	TRM1025-1	•			•
	(M12 x 1.75)	TDM55B	•			•
	(M12 x 1.5)	TDM56B	•			•
	(M12 x 1.25)	TDM57B	•			•
	(M10 x 1.00)	TR101	•			
	(M11 x 1.50)	TR11150	•			
	(M14 x 1.50)	TR14150	•			

THREAD RESTORING: FILES AND THREAD CHASERS

TFTFM932A Thread Restorer File Set
- Includes three commonly needed files
- Files feature a black industrial finish and comfortable vinyl handles
- Files service a range of 9–32 threads per inch and 0.75 mm–3 mm pitches
- Includes TFTFM932-1 vinyl kit bag for storage

TF1124B Thread Restorer File
- For any diameter right or left hand threads
- Removable vinyl handles

TF1124B 11, 12, 13, 14, 16, 18, 20 and 24 threads per inch
TF1127B 9, 10, 12, 16, 20, 27, 28 and 32 threads per inch
TFM7530B Pitches: .75 mm, 1 mm, 1.25 mm, 1.50 mm, 1.75 mm, 2 mm and 3 mm



TFTFM932A



TF1124B

THREAD CHASERS



TR20C



TR21A



TR25B

U.S. Thread Chaser Sets

	Stock No.	Threads/inch & Pitch (mm)
U.S. Chaser	TR20-10	4 & 5
	TR20-11	6 & 7
	TR20-12	8 & 9
	TR20-32	8R & 10R
	TR20-13	10 & 11
	TR20-14	11 1/2 & 12
	TR20-15	13 & 14
	TR20-16	16 & 18
	TR20-17	20 & 24

Metric Thread Chaser Sets

	Stock No.	Threads/inch & Pitch
Metric Chaser	TR20-25	4.5 mm & 5 mm
	TR20-26	3.5 mm & 4 mm
	TR20-27	2.5 mm & 3 mm
	TR20-28	1.75 mm & 2 mm
	TR20-29	1.25 mm & 1.5 mm
	TR20-30	.75 mm & 1 mm

TR20M Metric External Thread Chaser Set
- Same rethreading tool as the TR20C US set, except it includes six metric chasers (seven-piece)

TR25M Metric Internal Thread Chaser Set
- Includes a knurled handle thread chasing tool plus six metric chasers (seven-piece)

Thread Chaser Set Components

TR20C US External Thread Chaser Set
- Includes small rethreading tool with 1/2"–5 3/4" diameter capacity for bolt threads and 1/4"–4" capacity for pipe threads plus nine thread chasers

TR21A US External Thread Chaser Set
- Includes large rethreading tool with 5"–14" diameter pipe thread capacity plus nine thread chasers

TR25B US Internal Thread Chaser Set
- Includes knurled handle internal thread chasing tool plus nine chasers

SPECIAL PURPOSE

Spindle Rethreading Set

Stock No.	Rethreading Die Size	Set Contains: RD8
RD7-1	M24 x 1.5	•
RD7-2	M24 x 2	•
RD7-3	M22 x 1	•
RD7-4	M22 x 1.5	•
RD7-5	M20 x 1.5	•
RD7-6	3/4"-20	•
RD7-7	13/16"-20	•
RD7-9	M20 x 1.25	•
RD7-8	Storage Case	•



RD8

RD8 Spindle Rethreading Set
- For most imported or US front wheel drive vehicles

Light Truck Spindle Rethreading Set

Stock No.	Rethreading Die Size	Set Contains: RD8LT
RD7-23	2"-16	•
RD7-24	M38 x 1.5	•
RD7-25	1 5/8"-16	•
RD7-26	1 13/16"-16	•
RD7-27	Left Hand, 2"-16	•
RD7-28	2 1/8"-16	•
RD7-29	2 1/4"-16	•
RD8LT-1	2 5/8" Driver	•
RD8LT-2	Storage Case	•



RD8LT

RD8LT Light Truck Spindle Retheading Set
- For use on 4WD front and rear axle housings and medium to heavy duty 2WD trucks (rear axle)
- Restore axle housing and bearing/hub retention threads

⚠WARNING
- Rethreading tools are for renewing existing threads, do not use for cutting new threads on hardened steel
- Read safety precautions on pages W1 to W4

THREAD RESTORING: SPECIAL PURPOSE



RD20



DTRMAS105



DTRCFM114

Master Spindle Rethreading Set

Stock No.	Rethreading Die Size	Set Contains: RD20
RD7-1	M24 x 1.5	•
RD7-2	M24 x 2	•
RD7-3	M22 x 1	•
RD7-4	M22 x 1.5	•
RD7-5	M20 x 1.5	•
RD7-6	3/4"-20	•
RD7-7	13/16"-20	•
RD7-9	M20 x 1.25	•
RD7-10	3/4"-16 NF	•
RD7-11	7/8"-14 NF	•
RD7-12	1"-14 NF	•
RD7-13	11/16"-24 NF	•
RD7-14	M25-1.5	•
RD7-15	M27-2	•
RD7-16	27/32"-20 NF	•
RD7-17	M16-1	•
RD7-18	M16-1.5	•
RD7-19	M18-1.5	•
RD7-20	M19-1.5	•
RD7-21	M20-1	•
RD7-22	Storage Case	•

RD20 Master Spindle Rethreading Set
- Repair and renew damaged threads on stub axles and spindles for most vehicles
- Dies are manufactured from high tempered steel for strength and durability
- Each die size is embossed in the case directly below each die for easy identification and selection
- Application chart included



T14125

Metric Spark Plug Hole Taps

Stock No.	Size
T10100	M10 x 1.00
T12125	M12 x 1.25
T14125	M14 x 1.25
T18150	M18 x 1.50
T2818	7/8"-18 NF



DTRC58



DTRF58

Deep Well Thread Chasers
- Designed to clean and repair threads that are rusted, painted or damaged
- Unique pass through design allows you to thread even the longest bolt or wheel stud
- Back end of chaser is left open so that it can be threaded backwards on a stud to use the interior of the thread chaser as a guide to align the first couple threads
- Flip chaser over and clean threads the remaining distance on the fastener or stud
- Use a socket or wrench on the external hex drive end to operate chaser

Stock No.	Type	Thread Size	Set Contains: DTRMAS105	DTRCF110	DTRCFM114
DTRC38	National Coarse	3/8"-16 NC		•	•
DTRC716	National Coarse	7/16"-14 NC		•	•
DTRC12	National Coarse	1/2"-13 NC		•	•
DTRC916	National Coarse	9/16"-12 NC		•	•
DTRC58	National Coarse	5/8"-11 NC		•	•
DTRF38	National Fine	3/8"-24 NF		•	•
DTRF716	National Fine	7/16"-20 NF		•	•
DTRF12	National Fine	1/2"-20 NF	•	•	•
DTRF916	National Fine	9/16"-18 NF		•	•
DTRF58	National Fine	5/8"-18 NF		•	•
DTRM12.125	Metric	M12 x 1.25	•		•
DTRM12.150	Metric	M12 x 1.50	•		•
DTRM14	Metric	M14 x 1.50	•		•
DTRM16	Metric	M16 x 1.50	•		•



TDM101

Thread Gauge

TDM101 Metric Bolt and Thread Gauge
- Bolt diameter range of 2.3 mm–24 mm (with inch/decimal equivalents)
- Thread gauge sizes: .35 mm–3 mm

TDTDM117A Deluxe Combination Set
Includes all components of the TDTDM500A US/Metric set plus 41pc high-speed steel drill bit set in fractional, metric, wire gauge and letter sizes and five spiral screw extractors. Each drill bit matches to corresponding tap size for correct fit. Set offers a complete assortment of high carbon steel taps and dies in fractional and metric sizes. Tap/drill charts and tool diagrams included. Set packaged in a storage case.


TDTDM117A


TD9902B


TDP6

Set Contains:	Thread Size	Tap Stock No.	Die Stock No.	Die Type	TD9902B US Set	TD2425 US Set	TDP6 US Set	TDTDM500A US/Metric Set
National Fine Threads (Adjustable Dies)	1/4"-28 NF	T105	D015	1" Double Hex Adjustable		●		●
	5/16"-24 NF	T106	D016	1" Single Hex Non-Adjustable		●		●
	3/8"-24 NF	T107	D017	1" Double Hex Adjustable		●		●
	7/16"-20 NF	T108	D018	1" Double Hex Adjustable		●		●
	1/2"-20 NF	T109	D019	1" Double Hex Adjustable		●		●
	1/2"-20 NF	–	DR019	1 1/2" Round Adjustable	●			
	9/16"-18 NF	T125	DR035	1 1/2" Round Adjustable	●			
	5/8"-18 NF	T126	DR036	1 1/2" Round Adjustable	●			
	3/4"-16 NF	T127	DR037	1 1/2" Round Adjustable	●			
	7/8"-14 NF	T128	DR042	2" Round Adjustable	●			
	1"-14 NF	T129	DR043	2" Round Adjustable	●			
National Fine Threads (Non-Adjustable Dies)	1/4"-28 NF	T105	GA541-1428	1" Single Hex Non-Adjustable				
	5/16"-24 NF	T106	GA541-51624	1" Single Hex Non-Adjustable				
	3/8"-24 NF	T107	GA541-3824	1" Single Hex Non-Adjustable				
	7/16"-20 NF	T108	GA541-71620	1" Single Hex Non-Adjustable				
	1/2"-20 NF	T109	GA541-1220	1" Single Hex Non-Adjustable				
National Coarse Threads (Adjustable Dies)	1/4"-20 NC	T100	D010	1" Double Hex Adjustable		●		●
	5/16"-18 NC	T101	D011	1" Double Hex Adjustable		●		●
	3/8"-16 NC	T102	D012	1" Double Hex Adjustable		●		●
	7/16"-14 NC	T103	D013	1" Double Hex Adjustable		●		●
	1/2"-13 NC	T104	D014	1" Double Hex Adjustable		●		●
	1/2"-1 NC	–	DR014	1 1/2" Round Adjustable				
	9/16"-12 NC	T120	DR030	1 1/2" Round Adjustable	●			
	5/8"-11 NC	T121	DR031	1 1/2" Round Adjustable	●			
	3/4"-10 NC	T122	DR032	1 1/2" Round Adjustable	●			
	7/8"-9 NC	T123	DR040	2" Round Adjustable	●			
	1"-8 NC	T124	DR041	2" Round Adjustable	●			
National Coarse Threads (Non-Adjustable Dies)	1/4"-20 NC	T100	GA541-1420	1" Single Hex Non-Adjustable				
	5/16"-18 NC	T101	GA541-51618	1" Single Hex Non-Adjustable				
	3/8"-16 NC	T102	GA541-3816	1" Single Hex Non-Adjustable				
	7/16"-14 NC	T103	GA541-71614	1" Single Hex Non-Adjustable				
	1/2"-13 NC	T104	GA541-1213	1" Single Hex Non-Adjustable				
Machine Screw Threads (Adjustable Dies)	4-40	T111A	D021A	5/8" Double Hex Adjustable		●		●
	6-32	T112	D022	5/8" Double Hex Adjustable		●		●
	8-32	T113	D023	5/8" Double Hex Adjustable		●		●
	10-24	T114	D024	5/8" Double Hex Adjustable		●		●
	10-32	T115	D025	5/8" Double Hex Adjustable		●		●
	12-24	T116	D026	5/8" Double Hex Adjustable		●		●
Machine Screw Threads (Non-Adjustable Dies)	4-40	T111A	GA541-440	5/8" Single Hex Non-Adjustable				
	6-32	T112	GA541-632	5/8" Single Hex Non-Adjustable				
	8-32	T113	GA541-832	5/8" Single Hex Non-Adjustable				
	10-24	T114	GA541-1024	5/8" Single Hex Non-Adjustable				
	10-32	T115	GA541-1032	5/8" Single Hex Non-Adjustable				
	12-24	T116	GA541-1224	5/8" Single Hex Non-Adjustable				
Pipe Threads (Adjustable Dies)	1/8"-27 NPT	T110	–	—		●	●	●
	1/8"-27 NPT	–	D020	1" Double Hex Non-Adjustable		●		●
	1/4"-18 NPT	T130	–	—	●		●	
	1/4"-18 NPT	–	DR033	1 1/2" Round Adjustable	●			
	3/8"-18 NPT	T131	–	—			●	
	1/2"-14 NPT	T132	–	—			●	
	3/4"-14 NPT	T133	–	—			●	
	1"-11 1/2" NPT	T134	–	—			●	
Pipe Threads (Non-Adjustable Dies)	1/8"-27 NPT	T110	GA541-1827	1" Double Hex Non-Adjustable				

⚠WARNING

- Rethreading tools are for renewing existing threads, do not use for cutting new threads on hardened steel
- Read safety precautions on pages W1 to W4

THREADING: TAP AND DIE SETS



TD2425



TDTDM500A



TDM99117B



TDM117A

Set Contains:			TD9902B	TD2425	TDTDM500A	TDM99117	TDM99117B	TDM117A	
	Thread Size	Tap Stock No.	Die Stock No.	Die Type	US Set	US Set	US/Metric Set	Metric Set	Metric Set	US/Metric Set
Metric Threads	M3-.50	T305M	D305M	5/8" Double Hex Adjustable			●		●	●
	M4-.70	T407M	D407MA	5/8" Double Hex Adjustable			●		●	●
	M4-.75	T4075M	D4075M	5/8" Double Hex Adjustable			●		●	●
	M5-.8	T508M	D508MA	5/8" Double Hex Adjustable			●		●	●
	M5-.9	T509M	D509M	5/8" Double Hex Adjustable			●		●	●
	M6-1	T610M	D610MA	5/8" Double Hex Adjustable			●		●	●
	M7-1	T710M	D710M	1" Double Hex Adjustable			●		●	●
	M8-1.00	T810M	D810M	1" Double Hex Adjustable			●		●	●
	M8-1.25	T812M	D812M	1" Double Hex Adjustable			●		●	●
	M9-1	T910M	D910M	1" Double Hex Adjustable			●		●	●
	M9-1.25	T912M	D912M	1" Double Hex Adjustable			●		●	●
	M10-1.25	T1012M	D1012M	1" Double Hex Adjustable			●		●	●
	M10-1.5	T1015M	D1015M	1" Double Hex Adjustable			●		●	●
	M11-1.5	T1115M	D1115M	1" Double Hex Adjustable			●		●	●
	M12-1.5	T1215M	D1215M	1" Double Hex Adjustable			●		●	●
	M12-1.75	T1217M	D1217M	1" Double Hex Adjustable			●		●	●
	M14-1.25	T1412M	DR1412M	1 1/2" Round Adjustable			●	●		
	M14-1.5	T1415M	DR1415M	1 1/2" Round Adjustable			●	●		
	M14-2	T1420M	DR1420M	1 1/2" Round Adjustable			●	●		
	M16-1.0	T1610M	DR1615M	1 1/2" Round Adjustable			●	●		
	M16-1.5	T1615M	DR1620M	1 1/2" Round Adjustable			●	●		
	M16-2	T1620M	DR1815M	1 1/2" Round Adjustable			●	●		
	M18-1.5	T1815M	DR1825M	1 1/2" Round Adjustable			●	●		
	M18-2.5	T1825M	DR2025M	2" Round Adjustable			●	●		
	M20-2.5	T2025M	DR2215M	2" Round Adjustable			●	●		
	M22-1.5	T2215M	DR2420M	2" Round Adjustable			●	●		
	M24-2	T2420M	DR2430M	2" Round Adjustable			●	●		
	M24-3	T2430M	D020M	1" Double Hex Non-Adjustable			●		●	●
Accessories	1/8"-28 BSP	T110M	–	For 5/8" single hex dies						
	TD3A Die Stock	–	–	For 5/8" double hex dies		●	●		●	●
	GA26-2 Die Stock	–	–	Adjustable for 1" single hex dies						
	TD10A Die Stock	–	–	Self Centering for 1" double hex dies		●	●		●	●
	TD35 Die Stock	–	–	Self Centering for 1 1/2" diameter round dies	●		●	●		
	TD40 Die Stock	–	–	Self Centering for 2" diameter round dies	●		●	●		
	TD4 Tap Wrench	–	–	4 jaw, for 0–1/4" taps		●	●		●	●
	TD6 Tap Wrench	–	–	2 jaw, for 1/16–1/4" taps						
	TD7 Tap Wrench	–	–	2 jaw, for 1/4–1/2" taps						
	TD50 Tap Wrench	–	–	4 jaw, for 1/4–1/2" (M7 x 1.00 to M12 x 1.75) taps		●	●		●	●
	TD88A Tap Wrench	–	–	Clamp type, for 0–1/2" (M3 x 0.50 to M12 x 1.75) taps		●	●		●	●
	TD98A Tap Wrench	–	–	Clamp type, for 0–1" (M7 x 10 to M24 x 3.0) taps	●		●	●		
	TD1040 Thread Pitch Gauge	–	–	US		●				●
	TDM100 Thread Pitch Gauge	–	–	Metric			●		●	●
	TDS1 Screwdriver	–	–	For adjusting dies		●	●		●	●



TMA34

Metric Tap Set

Metric Tap Set Includes:

Stock No.	Thread Size	Stock No.	Thread Size	Stock No.	Thread Size
T305M	M3 x .50	**T910M**	M9 x 1.00	**T1420M**	M14 x 2.00
T306M	M3 x .60	**T912M**	M9 x 1.25	**T1610M**	M16 x 1.00
T407M	M4 x .70	**T1010M**	M10 x 1.00	**T1615M**	M16 x 1.50
T4075M	M4 x .75	**T1012M**	M10 x 1.25	**T1620M**	M16 x 2.00
T508M	M5 x .80	**T1015M**	M10 x 1.50	**T1815M**	M18 x 1.50
T509M	M5 x .90	**T1115M**	M11 x 1.50	**T18150**	M18 x 1.50
T610M	M6 x 1.00	**T1212M**	M12 x 1.25	**T1825M**	M18 x 2.50
T6310M	M6.33 x 1	**T1215M**	M12 x 1.50	**TDM100**	Metric Thread, Pitch Gauge
T710M	M7 x 1.00	**T1217M**	M12 x 1.75	**ATSS**	Adj. Tap Socket, 3 mm–6 mm
T810M	M8 x 1.00	**T1412M**	M14 x 1.25	**ATSL**	Adj. Tap Socket, 6 mm–12 mm
T812M	M8 x 1.25	**T14125**	M14 x 1.25		
T9075M	M9 x .75	**T1415M**	M14 x 1.50		

TMA34 Metric Tap Set
Precision ground flutes ensure accurate threading. High carbon steel ensures less breakage. Tap adaptors turn any 3/8" socket drive into a tap driver.



GAM541

GAM541 Metric Set (Blue-Point®)
40pc set features 1" single hex nonadjustable dies from 3 mm–12 mm, a 1/8"-28 BSP die plus taps in the same sizes. Also includes a die stock, two T-handle tap wrenches, a thread pitch gauge, a drill/tap chart, a midget screwdriver, and storage case.



GA541

GA541 U.S. Set *(Blue-Point)*
41pc set features taps and dies from #4–1/2" in both NF and NC threads, a pipe thread tap and die, plus two die stocks and three tap wrenches, a screw pitch gauge and a screwdriver in a storage case.

WARNING • Read safety precautions on pages W1 to W4

THREADING: SELF-ALIGNING TAPS AND DIES



TSA105

Self Aligning Taps

- Self aligning taps feature Chip Breaking Technology (CBT) allowing the cutting edge to cut, break and chip cleaner. Up to 30% easier to break chips
- Self aligning taps come with an alignment chamfer that allows the tap to start straight every time, ensuring straight threads and less chance of cross threading
- Increased flute taper increases tap durability up to 20%
- Plug chamfer style for general purpose threading
- High carbon steel is ideal for hand tapping applications

Self Aligning Taps, US

Stock No.	Thread Size
T110	1/8"-27 NPT
TSA111	4-40 Machine Screw
TSA112	6-32 Machine Screw
TSA113	8-32 Machine Screw
TSA114	10-24 Machine Screw
TSA115	10-32 Machine Screw
TSA116	12-24 Machine Screw
TSA100	1/4"-20 NC
TSA105	1/4"-28 NF
TSA101	5/16"-18 NC
TSA106	5/16"-24 NF
TSA102	3/8"-16 NC
TSA107	3/8"-24 NF
TSA103	7/16"-14 NC
TSA108	7/16"-20 NF
TSA104	1/2"-13 NC
TSA109	1/2"-20

Self Aligning Taps, Metric

Stock No.	Thread Size
T110M	1/8"-28 BSP
TSA305M	M3-.50
TSA4075M	M4-.75
TSA407M	M4-.70
TSA508M	M5-.80
TSA509M	M5-.90
TSA610M	M6-1.00
TSA710M	M7-1.00
TSA810M	M8-1.00
TSA812M	M8-1.25
TSA910M	M9-1.00
TSA912M	M9-1.25
TSA1012M	M10-1.25
TSA1015M	M10-1.50
TSA1115M	M11-1.50
TSA1212M	M12-1.25
TSA1217M	M12-1.75



DSA019

Self Aligning Dies

- Self aligning dies feature CBT ensuring clean cuts in both directions
- Alignment plate design starts straight every time to reduce the chance of cross threading
- Roller threads provide greater thread quality, accuracy and cutting ease
- Made from high carbon steel
- Use dies with the TDALDS1 Die Stock

Self Aligning Dies, US

Stock No.	Die Type	Thread Size
D020	1" Double Hex Non-Adjustable	1/8"-27 NPT
DSA010	Double Hex	1/4"-20 NC
DSA011	Double Hex	5/16"-18 NC
DSA012	Double Hex	3/8"-16 NC
DSA013	Double Hex	7/16"-14 NC
DSA014	Double Hex	1/2"-13 NC
DSA015	Double Hex	1/4"-28 NF
DSA016	Double Hex	5/16"-24 NF
DSA017	Double Hex	3/8"-24 NF
DSA018	Double Hex	7/16"-20 NF
DSA019	Double Hex	1/2"-20
DSA021	Double Hex	4-40 Machine Screw
DSA022	Double Hex	6-32 Machine Screw
DSA023	Double Hex	8-32 Machine Screw
DSA024	Double Hex	10-24 Machine Screw
DSA025	Double Hex	10-32 Machine Screw
DSA026	Double Hex	12-24 Machine Screw

Self Aligning Dies, Metric

Stock No.	Die Type	Thread Size
D020M	1" Double Hex Non-Adjustable	1/8"-28 BSP
DSA305M	Double Hex	M3 x .50
DSA4075M	Double Hex	M4 x .75
DSA407M	Double Hex	M4 x .70
DSA508M	Double Hex	M5 x .80
DSA509M	Double Hex	M5 x .90
DSA610M	Double Hex	M6 x 1.00
DSA710M	Double Hex	M7 x 1.00
DSA810M	Double Hex	M8 x 1.00
DSA812M	Double Hex	M8 x 1.25
DSA910M	Double Hex	M9 x 1.00
DSA912M	Double Hex	M9 x 1.25
DSA1012M	Double Hex	M10 x 1.25
DSA1015M	Double Hex	M10 x 1.50
DSA1115M	Double Hex	M11 x 1.50
DSA1212M	Double Hex	M12 x 1.25
DSA1217M	Double Hex	M12 x 1.75

Tap and Die Drive Tool System

TDALDS1 Die Stock
- Features a twist die lock which means no more set screws are needed
- Simply twist to insert or remove the die
- Ergonomic handles for comfort and control when threading
- Fits 1" double hex dies

TDALTS1 Adjustable Tap Socket
- For 0"–1/4" (M3 x .50–M6 x 1.00) taps
- Versatile base can be driven with die stock, 3/8" ratchet or T-bar handle

TDALTS2 Adjustable Tap Socket
- For 1/4"–1/2" (M7 x 1.00–M12 x 1.75) taps
- Versatile base can be driven with die stock, 3/8" ratchet or T-bar handle

TDALDSS Die Spacer
- 1/8" spacer accommodates standard 1" hex dies
- Drives tools compatible with all 1" hex dies and ANSI® spec taps

TDALTSB T-Bar Handle
- For TDALTS1 and TDALTS2 Adjustable Tap Sockets

TD1040 Thread Pitch Gauge
- Measures US or sharp "V" threads
- Includes 18 plated blades for the following thread sizes: 8, 9, 10, 11, 11 1/2, 12, 13, 14, 16, 18, 20, 24, 27, 28, 32, 36, 40 and 44 threads per inch

TDM100 Metric Thread Pitch Gauge

TDRSET Tap and Die Drive Tool Set

Includes: TDALDS1 Die Stock, TDALTS1 and TDALTS2 Adjustable Tap Sockets, TDALDSS Die Spacer, TDALTSB T-Bar Handle, TD1040 US Thread Pitch Gauge and TDM100 Metric Thread Pitch Gauge seven-piece in storage box.



TDRSET

TAP SOCKETS AND DIE SETS

Tap Sockets (1/4"–3/8" Drive)

Stock No.	Square Drive, inches	Fits SAE Size Taps	Fits Metric Size Taps	Shank Dia., inches	Square Size, inches	Set Contains: TDL8
TDL8-1	1/4	#1, #2, #3, #4, #5, #6	M1.6, M1.8, M2, M2.2, M2.5, M3, M3.15, M3.5	.141	.110	•
TDL8-2	1/4	#8	M4	.168	.131	•
TDL8-3	1/4	#10	M4.5, M5	.194	.152	•
TDL8-4	1/4	1/4"	M6, M6.3	.255	.191	•
TDL8-5	3/8	5/16", 7/16"	M7, M8	.323	.242	•
TDL8-6	3/8	3/8"	M10	.381	.286	•
TDL8-7	3/8	1/2"	M12, M12.5	.367	.275	•
TDL8-8	3/8	1/8" NPT	—	.437	.328	•



TDL8

TDL8 Tap Socket Set
- For use with ratchets and handles
- Rubber O-rings hold taps securely in place
- Black industrial finish

Tap Sockets (1/2" Drive)

Stock No.	Square Drive, inches	Fits SAE Size Taps	Fits Metric Size Taps	Shank Dia., inches	Square Size, inches	Set Contains: TDL3
TDL31	1/2	5/8	16 mm	.480	.360	•
TDL32	1/2	11/16	18 mm	.542	.406	•
TDL33	1/2	3/4	—	.590	.442	•



TDL3

TDL3 Tap Socket Set
- Use in restricted areas where a T-Handle will not easily fit
- Manufactured to M.C.T.I. standards
- Black industrial finish

Bottoming Taps

- Allows blind holes to be tapped within one thread of bottom of hole

Stock No.	Thread Size	Set Contains: TB300C	TB300F
TB3/8C	3/8"-16 NC	•	
TB3/8F	3/8"-24 NF		•
TB5/16C	5/16"-18 NC	•	
TB7/16C	7/16"-14 NC	•	
TB5/16F	5/16"-24 NF		•
TB7/16F	7/16"-20 NF		•



TB300C

⚠WARNING • Read safety precautions on pages W1 to W4

THREADING: TAP SOCKETS AND DIE SETS



YA577A

Ratcheting Tap Wrenches (Blue-Point®)

YA577A T-handle Tap Wrench
- For taps up to 1/4"
- Ratchet clockwise or counterclockwise
- 3 3/8" long body, 3 15/16" handle

YA578A T-handle Tap Wrench
- For 1/4"–1/2" taps
- Ratchet clockwise or counterclockwise
- 4 3/8" long body, 4 3/4" handle

TDW1000 Ratcheting Tap and Die Wrench
- Cut and renew threads in confined areas
- Bi-directional ratcheting action
- Holds dies with 1" (25 mm) diameter
- Includes adaptors for hex and double hex
- Also includes adaptors for most popular tap sizes: .250" (6.35 mm), .290" (7.36 mm), .335" (8.5 mm) and .535" (13.58 mm)



TDW1000



ATSS



ATSL

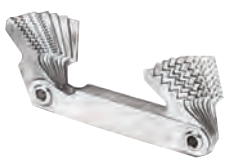
Adjustable Tap Sockets

- Designed for use with taps, reamers, screw extractors and other tools with a square shank
- Small profile for easier access to tight work spaces
- Adaptor turns any 3/8" square drive ratchet or handle into a tap driver

ATSS Adjustable Tap Socket
- Fits common taps from #6–1/4" (3 mm–6 mm)

ATSL Adjustable Tap Socket
- Fits common taps from 1/4"–1/2" (6 mm–12 mm)

ATSSET Adjustable Tap Socket Set
- ATSS and ATSL (two-piece)



TD1040

Thread Pitch Gauge

TD1040 Thread Pitch Gauge
- Measures US or sharp "V" threads
- Includes 18 plated blades for the following thread sizes: 8, 9, 10, 11, 11 1/2, 12, 13, 14, 16, 18, 20, 24, 27, 28, 32, 36, 40 and 44 threads per inch

PLUG TAPS AND DIES

Plug Taps

	Stock No.	Thread Size	Thread Pitch
Tap	T111	4-36	Right Hand
	T6310M	M6.33 x 1	Right Hand
	T1010M	M10 x 1.00	Right Hand
	T1112M	M11 x 1.25	Right Hand
	T1212M	M12 x 1.25	Right Hand
	T1412M	M14 x 1.25	Right Hand
	T1415M	M14 x 1.50	Right Hand
	T1420M	M14 x 2.00	Right Hand

Plug Dies

	Stock No.	Thread Size	Thread Pitch	Die Type
Die	D021	4-36	Right Hand	5/8" Dbl. Hex
	D040	1/4"-18	Right Hand	1" Dbl. Hex
	D147M	M4 x .70	Right Hand	1" Dbl. Hex
	D158M	M5 x .80	Right Hand	1" Dbl. Hex
	D161M	M6 x 1.00	Right Hand	1" Dbl. Hex
	D1010M	M10 x 1.00	Right Hand	1" Dbl. Hex
	D1112M	M11 x 1.25	Right Hand	1" Dbl. Hex
	D1212M	M12 x 1.25	Right Hand	1" Dbl. Hex
	D1615M	M16 x 1.50	Right Hand	1 1/4" Hex
	D1615ML	M16 x 1.50	Left Hand	1 1/4" Hex
	D1620M	M16 x 2.00	Right Hand	1 1/4" Hex
	D1810M	M18 x 1.00	Right Hand	1 7/16" Hex
	D1815M	M18 x 1.50	Right Hand	1 7/16" Hex
	D1815ML	M18 x 1.50	Left Hand	1 7/16" Hex
	D1825M	M18 x 2.50	Right Hand	1 7/16" Hex
	DR2015M	M20 x 1.50	Right Hand	2" Round
	D2025M	M20 x 2.50	Right Hand	1 7/16" Hex
	D2215M	M22 x 1.50	Right Hand	1 5/8" Hex
	D2215ML	M22 x 1.50	Left Hand	1 5/8" Hex
	D2415M	M24 x 1.50	Right Hand	1 13/16" Hex
	D3015M	M30 x 1.50	Right Hand	2" Hex

EXDMS48 Master Extractor Set

- Quickly and easily extracts the toughest screws from 3/32"–15/16" screw sizes (including metric sizes)
- Includes 16 left hand mechanic's length cobalt drill bits, 13 multispline screw extractors (1/8"–1/2"), six spiral flute screw extractors plus 13 hex head fastener extractors (1/4"–3/4")
- Hex head extractors feature left hand spiral flutes for maximum gripping power
- External hex and square drive wrenching options for use with wrenches, impact wrenches and ratchet/socket combinations
- 48pc in storage case



EXDMS48

EXD35 Screw Extractor Set

- Quickly and easily extracts tough screws from 3/32"–15/16" (including metric sizes)
- Includes 16 left hand mechanic's length cobalt drill bits, 13 multispline screw extractors and six spiral flute screw extractors in EXD35-1 storage case



EXD35

EXD10 Right Hand Extractor Set

- Includes five right hand, mechanic's length cobalt drill bits and five spiral flute screw extractors in metal index

EXDL10 Left Hand Extractor Set

- Includes five left hand, mechanic's length cobalt drill bits and five spiral flute screw extractors in metal index



EXD10

E1025 Extractor Set (Blue-Point®)

- Extract broken screws from 1/4"–1" diameter and standard pipe sizes 1/8"–1"
- Storage case



EXDL10

E1020 Extractor Set *(Blue-Point)*

- Extracts broken screws from 1/4"–1/2" diameter
- Storage case



E1025



E1020

Set Contains:	Stock No.	EXDMS48	EXD35	EXD10	EXDL10	E1025	E1020
Right Hand Drill Bits	CSE405B					●	
	DBCFS5/64				●		
	DBCFS7/64				●		
	DBCFS5/32				●		
	DBCFS1/4				●		
	DBCFS19/64				●		
	DBF1/8C					●	●
	DBF3/16C					●	●
	DBF1/4C					●	●
	DBF5/16C					●	●
	DBF11/32C					●	●
	DBF7/16C					●	
	DBF1/2C					●	
Left Hand Drill Bits	DBCL5/64	●	●		●		
	DBCL7/64	●	●		●		
	DBCL5/32	●	●		●		
	DBCL3/16	●	●				
	DBCL1/4	●	●		●		
	DBCL9/32	●	●				
	DBCL19/64	●	●		●		
	DBCL5/16	●	●				
	DBCL11/32	●	●				
	DBCL3/8	●	●				
	DBCL13/32	●	●				
	DBCL7/16	●	●				
	DBCL15/32	●	●				
	DBCL1/2	●	●				
Solid Type Drill Guides	E921					●	
	E1021					●	●
	E1121					●	●
	E1221					●	●
	E1321					●	●
	E1421					●	●
	E1521					●	●
	E1621					●	●
	E1721					●	●
	E1821					●	●
Sleeve Type Drill Guides	E34					●	
	E33A					●	
Sleeve Bushings (in pairs)	E3033					●	

Set Contains:	Stock No.	EXDMS48	EXD35	EXD10	EXDL10	E1025	E1020
Straight Screw Extractors	E1					●	●
	E2					●	●
	E3					●	●
	E4					●	●
	E5					●	●
	E6					●	
	E7					●	
	E8					●	
Pipe Plug Extractors	E80					●	
	E81					●	
	E82					●	
	E83					●	
	E84					●	
	E85					●	
Spiral Flute Screw Extractors	EX1	●	●	●	●		
	EX2	●	●	●	●		
	EX3	●	●	●	●		
	EX4	●	●	●	●		
	EX5	●	●				
	EX6	●	●	●	●		
Multispline Screw Extractors	REX104A	●	●				
	REX105A	●	●				
	REX106A	●	●				
	REX107A	●	●				
	REX108A	●	●				
	REX109A	●	●				
	REX110A	●	●				
	REX111A	●	●				
	REX112A	●	●				
	REX113A	●	●				
	REX114A	●	●				
	REX115A	●	●				
	REX116A	●	●				
Hex Head Fastener Extractors	BEX081	●					
	BEX101	●					
	BEX121	●					
	BEXM101	●					
	BEX141	●					
	BEXM121	●					
	BEX161	●					
	BEXM131	●					
	BEX181	●					
	BEX201	●					
	BEXM171	●					
	BEX221	●					
	BEX241	●					

EXTRACTORS: EXTRACTOR TOOLS


REX25B


REX10B


REX15B

Multispline Extractors Sets

- Shoulder prevents extractor from entering too deeply and expanding screw

REX25B Multispline Extractor Set
REX104A–REX128A (25pc) in REX25BMT storage case.

REX10B Multispline Extractor Set
REX104A–REX113A (ten-piece) in REX10BMT storage case.

REX15B Multispline Extractor Set
REX104A–REX118A (15pc) in REX15BMT storage case.

Multispline Extractors

Stock No.	Drill Size, inches	Bolt Size, inches	Pipe Size, inches	Hex Size, inches	Mark
REX104A	1/8	1/4	—	1/2	A
REX105A	5/32	5/16	—	1/2	B
REX106A	3/16	3/8	—	1/2	C
REX107A	7/32	7/16	—	1/2	D
REX108A	1/4	1/2	1/8	1/2	E
REX109A	9/32	9/16	—	1/2	F
REX110A	5/16	5/8	—	1/2	G
REX111A	11/32	11/16	1/4	1/2	H
REX112A	3/8	3/4	—	1/2	I
REX113A	13/32	13/16	—	1/2	J
REX114A	7/16	7/8	—	5/8	K
REX115A	15/32	15/16	3/8	5/8	L
REX116A	1/2	1	—	5/8	M
REX117A	17/32	1 1/16	—	5/8	N
REX118A	9/16	1 1/8	—	3/4	O
REX119A	19/32	1 3/16	—	3/4	P
REX120A	5/8	1 1/4	1/2	3/4	Q
REX121A	21/32	1 5/16	—	7/8	R
REX122A	11/16	1 3/8	—	7/8	S
REX123A	23/32	1 7/16	—	7/8	T
REX124A	3/4	1 1/2	—	7/8	U
REX125A	25/32	1 9/16	3/4	1	V
REX126A	13/16	1 5/8	—	1	W
REX127A	27/32	1 11/16	—	1	X
REX128A	7/8	1 3/4	—	1	Y

Power Fastener Extractors (Blue-Point®)

- Extracts hex head, socket head, round head and other fasteners
- 1/4" universal hex shank is ideal for use with cordless, air or electric drills, impact wrenches, nut runners and hand tools
- Power groove for use with quick change adaptors
- Reverse spiral flutes hold on to the most elusive fastener heads
- High carbon steel ensures longer life and greater durability
- High carbon steel shank is larger than most fastener shanks and resists torsional shear


BET7

Stock No.	Size, inches (mm)	Set Contains: BET7
BET76	3/16 (5)	●
BET78	1/4 (6)	●
BET710	5/16 (8)	●
BET712	3/8 (10)	●
BETM710	(10)	●
BET714	7/16 (11)	●
BET716	1/2 (12)	●


BEX13A


BEX5B

Hex Head Fastener Extractors

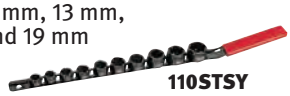
- Use on most popular hex head fasteners from 1/4"–1" (8 mm–24 mm)
- Sockets feature left hand spiral flutes for maximum gripping power
- Manufactured from high carbon steel for maximum strength
- External hex and square drive wrenching options for use with wrenches, impact wrenches and ratchet/socket combinations

Stock No.	Square Drive, inches	Size, inches (mm)	External Hex, inches (mm)	Outside Dia., inches (mm)	Length, inches (mm)	Set Contains: BEX13A	Set Contains: BEX5B
BEX081	3/8	1/4 (6)	5/8 (15.9)	3/8 (9.5)	1 1/16 (27.0)	●	
BEX101	3/8	5/16 (8)	5/8 (15.9)	7/16 (11.1)	1 1/16 (27.0)	●	
BEX121	3/8	3/8 (10)	5/8 (15.9)	9/16 (14.3)	1 1/16 (27.0)	●	
BEXM101	3/8	n/a (10)	3/4 (19.1)	5/8 (15.5)	1 1/16 (27.0)	●	
BEX141	3/8	7/16 (11)	3/4 (19.1)	5/8 (15.9)	1 1/16 (27.0)	●	
BEXM121	3/8	n/a (12)	3/4 (19.1)	23/32 (17.5)	1 1/16 (27.0)	●	
BEX161	3/8	1/2 (12)	3/4 (19.1)	23/32 (17.9)	1 1/16 (27.0)	●	
BEXM131	3/8	n/a (13)	3/4 (19.1)	23/32 (18.5)	1 1/16 (27.0)	●	
BEX181	3/8	9/16 (14)	7/8 (22.2)	25/32 (19.4)	1 1/16 (27.0)	●	
BEX201	3/8	5/8 (16)	7/8 (22.2)	7/8 (21.8)	1 1/16 (27.0)	●	
BEXM171	3/8	n/a (17)	1 (25.4)	29/32 (23.0)	1 1/16 (27.0)	●	
BEX221	3/8	11/16 (n/a)	1 (25.4)	15/16 (24.2)	1 1/16 (27.0)	●	
BEX241	3/8	3/4 (19)	1 1/16 (27)	1 1/32 (26.2)	1 1/16 (27.0)	●	
BEXW241	1/2	3/4 (19)	1 1/4 (31.8)	1 1/8 (28.6)	1 3/4 (44.5)		●
BEXW261	1/2	13/16 (21)	1 3/8 (34.9)	1 3/16 (30.2)	1 3/4 (44.5)		●
BEXW281	1/2	7/8 (22)	1 7/16 (36.5)	1 1/4 (31.8)	1 3/4 (44.5)		●
BEXW301	1/2	15/16 (24)	1 7/16 (36.5)	1 5/16 (33.3)	1 3/4 (44.5)		●
BEXW321	1/2	1 (n/a)	1 7/16 (36.5)	1 3/8 (34.9)	1 3/4 (44.5)		●
BEX13AMT	Storage Case					●	
BEX5CASE	Storage Case						●

External Drive Hex Head Slim Twist Sockets

110STSY External Drive Twist Socket Set

- Quickly and easily remove damaged or rounded nuts and bolts, socket head cap screws in close quarters and nuts threaded on long studs
- Ideal for use for aircraft and exhaust systems applications
- Includes ten external hex drive slim twist sockets for the following hex head fasteners:
  Fractional: 3/8", 7/16", 5/8" and 3/4"
  Metric: 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm and 19 mm
  Sockets are stored on MSR1 magnetic socket holder


110STSY

Stock No.	Nut/Bolt Size, inches (mm)	Socket Number	External Hex, inches	Socket Thickness, inches (mm)	Finish
110STSY1	3/8 (9)	#1	5/8	0.38 (9.5)	Industrial Black
110STSY2	(10)	#2	5/8	0.38 (9.5)	Industrial Black
110STSY3	7/16 (11)	#3	11/16	0.38 (9.5)	Industrial Black
110STSY4	(12)	#4	3/4	0.38 (9.5)	Industrial Black
110STSY5	(13)	#5	3/4	0.50 (12.7)	Industrial Black
110STSY6	(14)	#6	13/16	0.50 (12.7)	Industrial Black
110STSY7	(15)	#7	7/8	0.50 (12.7)	Industrial Black
110STSY8	5/8 (16)	#8	15/16	0.62 (15.9)	Industrial Black
110STSY9	(17)	#9	1	0.62 (15.9)	Industrial Black
110STSY10	3/4 (19)	#10	1 1/16	0.62 (15.9)	Industrial Black

Deep Well Extractors

- External hex and 3/8" square drive wrenching options for use with wrenches, impact wrenches and ratchet/socket combinations
- Deep well design fits over exposed studs and reaches recessed fasteners
- Reverse spiral flutes bite into stubborn fasteners, both fractional and metric, with maximum gripping power
- Reduced profile head enables use in confined spaces



BEXD181



BEXD9

Stock No.	Size, inches	Length, inches	Set Contains: BEXD9
BEXD081	1/4	2 7/16	•
BEXD101	5/16	2 7/16	•
BEXD121	3/8	2 7/16	•
BEXD141	7/16	2 7/16	•
BEXD161	1/2	2 7/16	•
BEXD181	9/16	2 7/16	•
BEXD201	5/8	2 7/16	•
BEXD241	3/4	2 7/16	•
BEXDM131	13 mm	2 7/16	•

Right Hand Fractional Drill Bits

- Use right hand drill bits to make a hole in the broken screw before the extractor is inserted

Stock No.	Size, inches	Flute Length, inches	Overall Length, inches
CSE405B	5/8	3	6
DBF1/2C	1/2	2 1/4	4 3/4
DBF1/4C	1/4	2 1/2	4
DBF1/8C	1/8	1 3/8	3
DBF11/32C	11/32	2 3/4	4 1/2
DBF3/16C	3/16	2	3 1/2
DBF5/16C	5/16	2 5/8	4 1/2
DBF7/16C	7/16	1 7/8	4 1/4

Spiral Flute Screw Extractors

- Designed to remove broken studs, bolts, socket screws and fittings
- Aggressive left hand spiral design for extra gripping power



EX1

Stock No.	Use Drill Size, inches	Removes Bolts and Screws
EX1	5/64	3/32"–5/32", 2.5 mm–4 mm, #3–#6
EX2	7/64	5/32"–7/32", 4 mm–6 mm, #6–#12
EX3	5/32	7/32"–9/32", 6 mm–8 mm, #12
EX4	1/4	9/32"–3/8", 1/8" NPT, 1/8" BSP, 8 mm–10 mm
EX5	19/64	3/8"–5/8", 1/4" NPT, 1/4" BSP, 10 mm–16 mm
EX6	13/32	5/8"–7/8", 3/8" NPT, 3/8" BSP, 16 mm–22 mm

Solid-Type Drill Guides

- Used for centering drills at a depth not exceeding 1"



E921

Stock No.	Outside Dia., inches	For Drill Size, inches	Length, inches
E921	9/32	1/8	1 3/16
E1021	5/16	1/8	1 3/16
E1121	11/32	1/8	1 3/16
E1221	3/8	1/8	1 3/16
E1321	13/32	3/16	1 3/16
E1421	5/16	3/16	1 3/16
E1521	15/32	3/16	1 3/16
E1621	1/2	3/16	1 3/16
E1721	17/32	1/4	1 3/16
E1821	9/16	1/4	1 3/16



DBLS105A

Left Hand Fractional Drill Bits (High Speed Steel)

- Left hand drill bits tend to loosen screws for easier removal

	Stock No.	Size, inches	Flute Length, inches	Overall Length, inches	Set Contains: DBLS105A
Left-Hand	DBLS1/8A	1/8	1 3/8	3	•
	DBLS3/16A	3/16	2	3 1/2	•
	DBLS1/4A	1/4	2 1/2	4	•
	DBLS5/16A	5/16	2 5/8	4 1/2	•
	DBLS11/32A	11/32	2 3/4	4 1/2	•



DBCL105A

Left Hand Fractional Drill Bits (Cobalt)

Stock No.	Size, inches	Set Contains: DBCL105A
DBCL5/64A	5/64	•
DBCL7/64A	7/64	•
DBCL5/32A	5/32	•
DBCL3/16	3/16	
DBCL1/4A	1/4	•
DBCL9/32	9/32	
DBCL19/64A	19/64	•
DBCL5/16	5/16	
DBCL11/32	11/32	
DBCL3/8	3/8	
DBCL13/32	13/32	
DBCL7/16	7/16	
DBCL15/32	15/32	
DBCL1/2	1/2	

Tapered Bit Extractors

SR40K Tapered Bit Extractor Set

- Tapered ends have left hand threads to bite deep into drilled studs
- Square shafts for use with wrench
- Four-piece set includes SR4A (1/8"), SR10A (9/64"), SR14 (7/32") and SR20 (5/16") in C0407 kit bag



SR40K

Sleeve Type Drill Guides

- Use to center 1/4" diameter, 6" long drill bits
- Parts are interchangeable to adapt to different screw or stud holes and depths up to 3 3/4"

E34 Sleeve Type 5/8" O.D.

E33A Sleeve Type 3/4" diameter

E33B Sleeve Spacer (set of four) 5/8" diameter

Sleeve Bushings (in pairs)

Stock No.	Diameter, inches
E2133	21/32
E2933	29/32
E3033	15/16
E3133	31/32



E2133

WARNING • Read safety precautions on pages W1 to W4

EXTRACTORS: EXTRACTOR TOOLS



E1



E6

Straight Screw Extractors

	Stock No.	For Screw Dia. or Std. Pipe, inches	Drill Size, inches	Length, inches
Straight Screw, Hex Nut Type	E1	1/4	1/8	2 5/16
	E2	5/16	3/16	2 3/4
	E3	3/8	1/4	3 1/16
	E4	7/16	5/16	3 5/16
	E5	1/2	11/32	3 3/4
	E6	1/2	7/16	4 1/8
	E7	3/4	1/2	4 1/2
	E8	1	1/2	4 5/8



E80

Pipe Plug Extractors

Stock No.	For Screw Dia. or Std. Pipe, inches	Drill Size, inches	Length, inches
E80	1/8	17/64	2 1/4
E81	1/4	3/8	2 1/2
E82	3/8	1/2	2 3/4
E83	5/8	5/8	3
E84	3/4	13/16	3 1/4
E85	1	1 1/16	3 1/2

All in one Extractor Set

YA769 Extractor Set (Blue-Point®)

- Extract broken screws from 1/4"–1/2" diameter
- Drill/extract with one tool
- Left hand drill bit
- For use in 3/8" drive reversible drill



YA769

Stock No.	Extractor Size Fractional	Drilling Speed, RPM	Extracting Speed, RPM
YA769-1	1/4	700–800	350
YA769-2	5/16	650–750	470
YA769-3	3/8	600–700	350
YA769-4	1/2	475–575	350

YA2019 Screw Remover Set *(Blue-Point)*

- Use to remove damaged Phillips®, TORX®, Pozidriv®, slotted, Internal Hex, Tri-Wing®, Frearson and most tamper-resistant screws and fasteners
- Tool bites into the damaged fastener in the reverse direction allowing the user to easily remove damaged screws
- Use with variable speed reversing drill or 1/4" hex bit screwdriver



YA2019

Set Contains: YA2019	Stock No.	Extractor Size Bolt Size	
	YA2019-1	#6–#8	•
	YA2019-2	#8–#10	•
	YA2019-3	#10–#12	•

Cam and Wedge Type Stud Removers

A50A Stud Remover

- 7/16"–1/2" capacity
- V-shaped rack grips stud
- Grip releases when pressure is relieved
- Uses 1/2" drive handle

A50-4B Optional Rack

- For 5/16"–3/8" capacity



A50A

A36A Stud Remover

- 1/2"–3/4" capacity
- Knurled wheel grips stud
- Driving shank extends through both sides of housing for bearing surface on each side of wheel
- Uses 1/2" drive handle



A36A

A80A Stud Remover

- 1/4"–1/2" capacity
- Jaws grip when pressure is applied
- Built-in ratchet action
- Needs only 1 1/4" clearance
- Use with 1/2" drive handle or 1" wrench



A80A

LA55A Stud Remover

- 9/16"–1" capacity
- Grip is released by turning tool in reverse direction
- Works on wedge principle
- Use with 3/4" drive handle
- Includes two wedge sizes: LA55A2 and LA55A3



LA55A

LA54 Stud Remover

- 1/4"–5/8" capacity
- Smaller version of LA55A
- Includes two wedge sizes: LA54-2A and LA54-3A
- Requires 1/2" drive handle

YA789 Power Extractor Set *(Blue-Point)*

- Place extractor end of tool in drill chuck, set for reverse and hole can be drilled
- Next, insert drill side into chuck, exposing extractor end, and finish the job to remove broken screw
- Packaged in YA789-5 storage case



YA789

Set Contains: YA789	Stock No.	Extractor Size Bolt Size	Extractor Size Fractional	Extractor Size Metric	
	YA789-1	—	#5, #6	M3	•
	YA789-2	—	#8	M4	•
	YA789-3	#10, #12	—	M5	•
	YA789-4	—	1/4"	M6	•

YA2020 Screw Extractor Set *(Blue-Point)*

- Easily extracts #6–#14 damaged screws from wood, metal or plastic. Remove hex, *TORX*, *Phillips*, slotted or square head screws
- Use with 1/4" quick disconnect or 1/4" hex hand or power tool
- Works with a variety of screw materials



YA2020

Stud Removers

- Tapered collets thread onto stud, even if only a few threads are exposed
- Tightening the housing bolt draws the collet into the housing and clamps collet onto stud
- Tools reduce chance of damage to stud threads
- Avoid bottoming or shouldering studs to avoid shearing or damaging stud or workpiece



CG500



CG500-17



CG500-2

Stud Removers Set Components

Stock No.	Collet Size	Housing Stock No.	CG5151	CG5152	CG5153	CG515B	CGM515B	CG500	CG505
CG500-17	#10-24	CG500-2	•						
CG500-18	#10-32	CG500-2	•						
CG500-2	Housing	CG500-2	•	•	•	•	•	•	
CG500-3	1/4"-20	CG500-2	•	•		•			
CG500-4	1/4"-28	CG500-2	•	•					
CG500-5	5/16"-18	CG500-2	•	•		•			
CG500-6	5/16"-24	CG500-2	•	•		•			
CG500-7	3/8"-16	CG500-2	•	•		•			
CG500-8	3/8"-24	CG500-2	•	•		•		•	
CG500-9	7/16"-14	CG500-2	•	•		•			
CG500-10	7/16"-20	CG500-2	•	•		•		•	
CG500-11	1/2"-13	CG500-2	•	•		•			
CG500-12	1/2"-20	CG500-2	•	•		•		•	
CG500-13	9/16"-12	CG500-2	•	•		•			
CG500-14	9/16"-18	CG500-2	•	•		•			
CG500-15	5/8"-11	CG500-2	•	•		•			
CG500-16	5/8"-18	CG500-2	•	•		•			
CG500H1	3/8" Hex	CG500-2	•						
CG500H2	7/16" Hex	CG500-2	•						
CG500H3	1/2" Hex	CG500-2	•						
CG500H4	9/16" Hex	CG500-2							
CG505-8	11/16"-16	CG505-1							
CG505-2	3/4"-10	CG505-1							•
CG505-5	3/4"-16	CG505-1							
CG505-3	7/8"-9	CG505-1							•
CG505-6	7/8"-14	CG505-1							
CG505-4	1"-8	CG505-1							•
CG505-7	1"-14	CG505-1							
CG505H1	5/8" Hex	CG505-1							
CG505H2	11/16" Hex	CG505-1							
CG505H3	3/4" Hex	CG505-1							
CG505H4	13/16" Hex	CG505-1							
CG505H5	7/8" Hex	CG505-1							
CG508-1	1 1/8"-7	CG508							

Stock No.	Collet Size	Housing Stock No.	CG5151	CG5152	CG5153	CG515B	CGM515B	CG500	CG505
CG508-9	1 1/8"-8	CG508							
CG508-2	1 1/8"-12	CG508							
CG508-3	1 1/4"-7	CG508							
CG508-10	1 1/4"-8	CG508							
CG508-4	1 1/4"-12	CG508							
CG508-5	1 3/8"-6	CG508							
CG508-11	1 3/8"-8	CG508							
CG508-6	1 3/8"-12	CG508							
CG508-7	1 1/2"-6	CG508							
CG508-12	1 1/2"-8	CG508							
CG508-8	1 1/2"-12	CG508							
CG500-30	M6-1.00	CG500-2	•		•		•		
CG500-33	M7-1.00	CG500-2	•		•		•		
CG500-36	M8-1.00	CG500-2	•		•		•		
CG500-37	M8-1.25	CG500-2	•		•		•		
CG500-39	M9-1.00	CG500-2	•		•		•		
CG500-40	M9-1.25	CG500-2	•		•		•		
CG500-42	M10-1.25	CG500-2	•		•		•		
CG500-43	M10-1.50	CG500-2	•		•		•		
CG500-48	M12-1.25	CG500-2	•		•		•		
CG500-49	M12-1.50	CG500-2	•		•		•		
CG500-54	M14-1.50	CG500-2	•		•		•		
CG500-55	M14-2.00	CG500-2	•		•		•		
CG500-60	M16-1.50	CG500-2	•		•		•		
CG500-61	M16-2.00	CG500-2					•		
CG505-1	Housing	CG500-2							•
CG508	Housing	CG500-2							
CG10F	Cross Bar	CG500-2	•	•	•				
CG250-8A	Slide Screw, 5/8"-18 UNF x 18 9/16"	CG500-2	•	•	•				
CG250-9	Slide Hammer, 2 lb	CG500-2	•	•	•				
CG325-6	Nut	CG500-2	•	•	•				
CG5151-1	Plastic Case		•	•	•				

EXTRACTORS: DOWEL PIN PULLERS

Dowel Pin Puller Set Components



CG503

Stock No.	Collet Size	Set Contains: CG503	CGM503	CG513	CG503S
CG503-2	1/4"	•			
CG503-3	5/16"	•			
CG503-4	3/8"	•			
CG503S1	3/8" Square				
CG503-5	7/16"	•			
CG503-6	1/2"	•			
CG503-7	9/16"	•			
CG503-8	5/8"	•			
CG513-4	3/4"			•	
CG513-5	7/8"			•	
CG513S1	1/2" Square				
CG513S2	5/8" Square				
CG513-6	1"			•	
CG503-9	6 mm		•		
CG503-10	8 mm		•		
CG503-11	10 mm		•		
CG503-12	12 mm		•		
CG503-13	14 mm		•		
CG503-14	16 mm		•		
CG503-1	Housing	•	•		•
CG513-1	Housing				
CG513-2	Slide Screw			•	
CG10F	Cross Bar	•	•		•
CG250-8A	Slide Screw, 5/8"-18 UNF x 18 9/16"	•	•		•
CG4567O	Slide Hammer, 10 lb			•	
CG250-9	Slide Hammer, 2 lb	•	•		•
CG325-6	Nut		•		•
CG513-3	Nut			•	

Pipe Nipple Remover Set Components



CG500P



CG505P



CG508P

Stock No.	Collet Size	Housing Stock No.	Set Contains: CG500P	CG505P	CG508P
CG500P1	1/8" NPT	CG500-2	•		
CG500P2	1/4" NPT	CG500-2	•		
CG500P3	3/8" NPT	CG500-2	•		
CG505P1	1/2" NPT	CG505-1		•	
CG505P2	3/4" NPT	CG505-1		•	
CG508P1	1" NPT	CG508-2			•
CG508P2	1 1/4" NPT	CG508-2			•
CG508	Housing	CG500-2			•
CG500-2	Housing	CG500-2	•		
CG505-1	Housing	CG500-2		•	

Note: Avoid bottoming or shouldering studs to avoid shearing or damaging stud or workpiece.

Serrated Collets

- Serrated gripping portions are used to remove unthreaded studs that cannot be removed with standard collets due to lack of gripping surface
- Avoid bottoming or shouldering studs to avoid shearing or damaging stud or workpiece



CG500-23

Stock No.	Description
CG500-20	1/4" Collet
CG500-21	5/16" Collet
CG500-22	3/8" Collet
CG500-23	7/16" Collet
CG500-24	1/2" Collet
CG500-2	Housing

Heavy Duty Housing with Collet

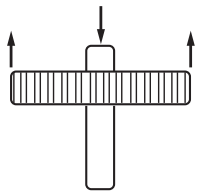
- Collets are threaded to order: specify stud thread size when ordering. Example: CG510 1 3/4"-10 collet
- Avoid bottoming or shouldering studs to avoid shearing or damaging stud or workpiece

CG510 For larger stud sizes 1 5/8"–2".
CG511 For larger stud sizes 2"–2 1/2".
CG512 For larger stud sizes 2 1/2"–3".

What Type of Puller do I Want to Use? Will it be the Combination that Works the Best?

Tools to Use

Removing a Gear, Bearing, Pulley, or Other Component from a Shaft



Jaw Type Puller. Two or three jaw style, with three jaw being the best choice. Manual or hydraulic with outside jaw positions.

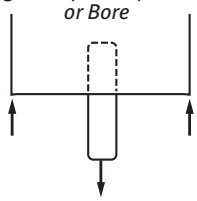
Push/Pull Puller. Use male or female adaptors to thread into tapped holes on components.

Slide Hammer Puller. Use on light duty applications. For use with attachments.

Bar Type Puller with Bearing Separator. Bar type with side rods threaded into bearing separator provides "knife edge" to get behind component or when there is not a good gripping edge.

Tools to Use

Pulling a Shaft Out of a Housing or Bore



Push/Pull Puller. Use male or female adaptors.

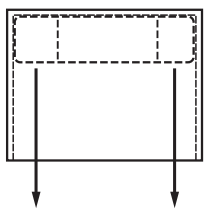
Bar Type Puller with Bearing Separator. Use when housing lacks sufficient surface for puller side rods to bear against.

Slide Hammer Puller. Use on light duty applications. For use with attachments.

Slide Hammer Puller. Use with male or female adaptors. See this section for a full listing of compatible adaptors.

Tools to Use

Removing a Bearing or Bushing from a Blind Hole



Jaw Type Puller. For inside jaw positions (inside pulls), a manual or hydraulic jaw type puller can be used with pressure screw or slide hammer variations.

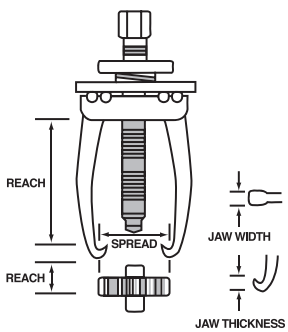
Expanded Collet Puller. The inside diameter should range between 1/4 and 7". Pulling can be done with bridge, bar type yokes or slide hammers.

Bearing Adaptors with Slide Hammer Puller. CJ127A, CJ128A and CJ137 bearing adaptors with CJ97-3A slide hammer should be used in this application.

Bar Type Puller with Bearing Separator. Bar type with side rods threaded into bearing separator provides "knife edge" to get behind components or when there is not a good gripping edge.

Determine the "Reach" and "Spread" Needed

The puller's reach must equal or exceed the same distance on the part. The puller's spread is the width of the part.



Estimate the Puller Tonnage

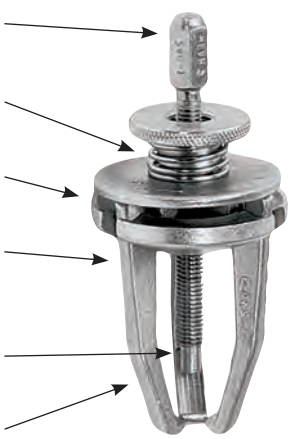
Generally, if you already have the correct "reach and spread," you will usually have the proper tonnage. If in doubt, use the next larger size.

General Rule to Choose Pullers

Manual Pullers. Pressure screw should be at least half the diameter of the shaft on the pulling/pushing job.

Hydraulic Pullers. Maximum tonnage capacity (tons) should be 8 to 10 times the diameter (in inches) of the shaft to be pulled or pushed.

Snap-on® Puller Features



Anvil Head: Curved at the top and features a hex design. The curved head provides a striking surface to handle those tough pulling jobs while the hex allows the pressure screw to be easily turned with a standard hex wrench or a socket.

Spring Loaded Locking Mechanism: Snap-on pullers feature a unique spring tension locking mechanism which allows the puller jaws to easily lock onto the work surface for both "outside" and "inside" pulling applications.

Two Position Yoke: Allows jaws to be easily reversed to accommodate inside or outside pulling situations. Interchangeable yokes accommodate two and three jaw setups. Yokes are heat treated for additional strength and safety.

One Piece Jaw Construction: Provides a stronger, safer jaw. Most competitive puller jaws have holes drilled through them to allow for a bracket attachment. This hole significantly weakens the competitor's puller jaws.

Forged Jaws: Resist breakage, prolong tool life and provide additional strength.

Replaceable Points: Center pulling power to prevent cocking. Provide less friction and minimum drag for easier turning of pressure screw during the pulling process. If damage occurs, simply replace the point and not the entire pressure screw.

Curved Jaws: Provide positive grip on the work surface.

PULLERS: BAR-TYPE INTERCHANGEABLE



CJ83C



CJ82B



CJ81D



CJ85A



CJ80A

Interchangeable bar style pullers provide high quality pulling equipment with the versatility needed to handle a wide variety of pulling functions. Standardized pressure screw threading, jaw retention and design means that new components can be added to an existing puller to change its reach or spread in order to handle new or different applications.
These Snap-on® bar-style pullers also feature:

- Replaceable pressure screw points help keep the puller safely centered
- Multiposition yokes help keep the jaws properly aligned with the item being pulled
- Adjustable clamp bolts allow jaws to be snugged up against the job for a safer, more convenient pull
- Spring ball pin retention securely holds jaws while allowing quick jaw changes

CJ83C Pulley and Gear Puller
Ideal for servicing crankshaft pulleys, gears and timing gears on a wide range of gasoline and diesel engines including Cummins® accessory drives and water pumps. Includes each 3/8"-16 x 3", 5/16"-18 x 2 1/2" and M10-1.5 x 65 mm bolts. Nominal capacity is 3 1/2 tons.

CJ86-1 Yoke
CJ83-3 Pressure Screw
CJ66-15-3 Centering Point
ME5A54 Washer (1 needed)
ME5A55 Washer
ME5A45 Studs (2)
ME3A44 Studs (2)
ME3A75 Studs (2)

CJ82B Pitman® Arm Puller
Handles many *Pitman* arm applications plus a variety of general pulling jobs. Nominal capacity is 6 tons.

CJ86-1 Yoke
CJ83-2 Pressure Screw
CJ66-15-3 Centering Point
CJ81-2A Jaws (2)
CJ86-4A Clamp Bolt
CJ85-4 Washer (2)
ME4A33 Clamp Nuts (2)
CJ105-11 Jaw Pins (2)

CJ81D Differential Side Bearing Puller
Narrow jaws slip into housing grooves in back of bearing and let jaws seat and pull along with inner race. Jaws are locked onto bearing by clamp bolt. Four centering plates are included. Nominal capacity is 6 tons.

CJ86-1 Yoke
CJ83-2 Pressure Screw
CJ66-15-3 Centering Point
CJ81-2A Jaws (2)
CJ86-4A Clamp Bolt (2)
ME4A33 Clamp Nuts (2)
CJ105-11 Jaw Pins (2)
CJ81B1A Adaptors (set of 4)
CJ81B2A Adaptors (set of 4)
CJ81D1A Adaptors (set of 4)
CJ81D2A Adaptors (set of 4)

CJ85A Truck Differential Side Bearing Puller
Similar in appearance to CJ81D but bigger for handling truck applications. Four centering plates included. Nominal capacity is 7 1/2 tons.

CJ85-1 Yoke
CJ83-2 Pressure Screw
CJ66-15-3 Centering Point
CJ85-2 Jaws (2)
CJ85-3A Clamp Bolt (2)
CJ85-4 Washer (2)
ME4A33 Clamp Nuts (2)
CJ105-11 Jaw Pins (2)
CJ85-5 Adaptors (set of 4)
CJ85-6 Adaptors (set of 4)
CJ85-7 Adaptors (set of 4)
CJ85-8 Adaptors (set of 4)

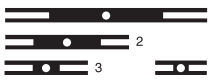
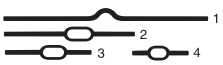
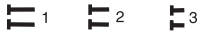
CJ80A A/C Pulley Puller
Also excellent for removal of alternator, generator, power steering and crankshaft pulleys, harmonic balancers and fiber timing gears. Includes an extra pair of jaws for versatility. Nominal capacity is 7 1/2 tons.

CJ85-1 Yoke
CJ83-3 Pressure Screw
CJ66-15-3 Centering Point
CJ81-2A Jaws (2)
CJ87-1 Jaws (2)
CJ85-3A Clamp Bolt
CJ85-4 Washer (2)
ME4A33 Clamp Nuts (2)
CJ105-11 Jaw Pins (2)

Specifications (see chart on next page)

Stock No.	Nominal Capacity, tons	Maximum Reach, inches	Maximum Spread, inches	Pressure Screw Size, inches	Pressure Screws	Jaws	Centering Points
CJ83C	3.5	Variable	5	3/4-16 x 3 1/2	B1, B2	—	C2
CJ82B	6	2 1/4	3 3/8	3/4-16 x 4 1/4	B1, B3	D1, D2, D4, D5	C2
CJ81D	6	1 5/8	3 3/8	3/4-16 x 4 1/4	B1, B3	D1, D2, D4, D5	C2
CJ85A	7.5	1 3/4	5 1/2	3/4-16 x 4 1/4	B1, B3	D1, D2, D3, D5	C2
CJ80A	7.5	D3: 1 5/8, D5: 1 3/8	5	3/4-16 x 3 1/2	B1, B2	D1, D2, D4	C2

CJ Interchangeable Pullers—Major Components

	CJ83C	CJ82B	CJ81D	CT85A	CJ80A	Component	Key No.	Stock No.	Specific Dimensions	
A 									**Usable Range, inches**	**Pin Holes per Side**
						Yoke	A1	**CJ100-1**	10 1/2–16	4
						Yoke	A2	**CJ118-1**	6–10 1/2	3
				•	•	Yoke	A3	**CJ85-1**	3–6 1/2	3
	•	•	•			Yoke	A4	**CJ86-1**	1 3/4–4 1/2	2
B 									**Thread x Length**	**Hex Size, inches**
						Pressure Screw	B1	**CJ105-3**	3/4–16 x 10 1/2	7/8
		•	•	•		Pressure Screw	B2	**CJ83-2**	3/4–16 x 6 11/16	7/8
	•				•	Pressure Screw	B3	**CJ83-3**	3/4–16 x 5 1/8	7/8
C 									**Head Diameter, inches**	**Point Type**
	•	•	•	•	•	Point	C1	**CJ66-15-3**	5/8	90° Outward
						Point	C2	**CJ84-16**	7/8	90° Outward
D 									**Maximum Reach, inches**	
						Jaws (2 needed)	D1	**CJ116-1**	8 1/4	—
						Jaws (2 needed)	D2	**CJ282-1**	4 3/8	—
		•	•		•	Jaws (2 needed)	D3	**CJ81-2A**	1 3/8	—
				•		Jaws (2 needed)	D4	**CJ85-2**	1 3/4	—
					•	Jaws (2 needed)	D5	**CJ87-1**	1 3/8	—
E 									**Maximum Length, inches**	
						Clamp Bolts	E1	**CJ100A2**	18	—
						Clamp Bolts	E2	**CJ118-2A**	11 1/2	—
				•	•	Clamp Bolts	E3	**CJ85-3A**	7 1/2	—
		•	•			Clamp Bolts	E4	**CJ86-4A**	5	—
F 									**Inside Diameter, inches**	**Outside Diameter, inches**
		•	•	•	•	Washer (2 needed)	F1	**CJ85-4**	15/32	7/8
	•					Washer (1 needed)	F2	**ME5A54**	11/32	3/4
	•					Washer (1 needed)	F3	**ME5A55**	9/32	3/4
G 									**Thread Size**	
		•	•	•	•	Clamp Nuts (2 Needed)	G1	**ME4A33**	7/16 x 20	—
H 									**Diameter, inches**	**Length, inches**
		•	•	•	•	Jaw Pins (2 needed)	H1	**CJ105-11**	5/16	1 15/32
J 									**Outside Diameter, inches**	**Step Diameter, inches**
			•			Adaptors (Set of 4)	J1	**CJ81B1A**	1 1/2	1 1/8
			•					**CJ81B2A**	1 5/8	1 1/4
			•					**CJ81D1A**	1 3/4	1 1/8
			•					**CJ81D2A**	1 11/32	15/16
				•		Adaptors (Set of 4)	J2	**CJ85-5**	2	1 1/2
				•				**CJ85-6**	2 1/8	1 21/32
				•				**CJ85-7**	2 1/2	1 27/32
				•				**CJ85-8**	3 1/16	2 3/8
K 									**Thread x Length**	
	•					Studs (2 needed)	K1	**ME3A44**	3/4-16 x 3	—
	•					Studs (2 needed)	K2	**ME3A45**	5/16-18 x 2 1/2	—
	•					Studs (2 needed)	K3	**ME3A75**	M10-1.5 x 65 mm	—

Letters in chart refer to Key No. in chart below (A3, B1, C1, etc.)

CJ Series Major Components

Stock No.	A Yoke	B ressure Screw	C Point	D Jaws (2)	E Clamp Bolt	F Washers (2)	G Clamp Nuts (2)	H Jaw Pins (2)	J Adaptors	K Studs (2)	Pressure Screws	Jaws	Points
CJ83C	A4	B3	C1	—	—	F2, F3	—	—	—	K1, K2, K3	B1, B2	—	C2
CJ82B	A4	B2	C1	D3	E4	F1	G1	H1	—	—	B1, B3	D1, D2, D4, D5	C2
CJ81D	A4	B2	C1	D3	E4	F1	G1	H1	J1	—	B1, B3	D1, D2, D4, D5	C2
CJ85A	A3	B2	C1	D4	E3	F1	G1	H1	J2	—	B1, B3	D1, D2, D3, D5	C2
CJ80A	A3	B3	C1	D3, D5	E3	F1	G1	H1	—	—	B1, B2	D1, D2, D4	C2

Other Interchangeable Components

WARNING

- Screen puller application
- Inspect the puller, do not use damaged parts
- Use the proper type and size puller for the job
- Read safety precautions on pages W1 to W4

PULLERS: BAR-TYPE INTERCHANGEABLE



CJ2000SB

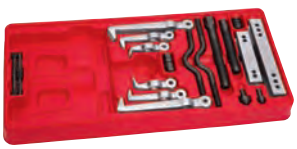
These puller sets are designed to provide the tools you need as your work grows. Start with one or more sets geared to specific tasks and build toward the ultimate set: the CJ2000A with display board and cabinet. No duplication in set contents or jaws. Yokes are interchangeable for added versatility.

Master Interchange Puller Set

CJ2000SB Master Interchangeable Puller Set
Includes all components for the CJ2001, CJ2002, CJ2003A, CJ2004 and CJ2005 puller sets on VE200A tool control board and KRA276D locking wall storage cabinet.

CJ2000S Master Interchangeable Puller Set
Same as CJ2000SB without the wall cabinet.

CJ2000A Master Interchangeable Puller Set
Same as CJ2000SB without the wall cabinet or the tool control board.



CJ2002

Gear Puller Set

CJ2002 Gear Puller Set

CJ2002 Gear Puller Set
Use on Pitman® arms, timing gears, carrier side bearings and more. Combine to create ten different pullers. Capacity from 6–10 tons depending on yoke and jaws used. Includes:

CJ105-11 Long Jaw Pin (4)
CJ87-1 3" Jaw (2)
CJ282-1 6" Jaw (2)
ME4A33 Hex Nut (4)
CJ82B *Pitman* Arm Puller
CJ66-15-3 Centering Point
CJ83-3 Pressure Screw (9/16" hex)
CJ81-2A Jaw (2)
CJ84-16 Centering Point
CJ83-2 Pressure Screw
CJ85-1 Yoke (3"-6 1/2")
CJ86-4A Bolt
CJ85-3A Bolt
CJ86-1 Yoke (1 3/4"–4 1/2")
CJ85-4 Washer (4)



CJ2003A

Rear Axle Puller Set

CJ2003A Rear Axle Puller Set
Slide hammer power pulls many flange type rear axles as well as axle bearings. Includes:

CJ105-4B Slide Screw, 3/4"-16 x 22 1/2"
CJ137 Bearing Adaptor
CJ97-3A Slide Hammer, 3 3/4 lb
CJ123-1 Axle Yoke
ME4A8 Lock Nut (3/4")
CJ127A Bearing Adaptor
CJ66-19 Bearing Hook
CJ128A Bearing Adaptor

CJ Series Bearing Adaptors

Stock No.	Swivel Head Width, inches	Swivel Head Length, inches	Overall Length, inches
CJ127A	1.2	2.03	3.02
CJ128A	1.2	2.31	3.15
CJ137	1.2	2.9	3.24



CJ2004

Interchangeable Puller Set

CJ2004 Interchangeable Puller Set
Use on bearings, bearing races, gears, bushing retainers, etc. Builds any of 12 different pullers. Two and three jaw capability with three sets of jaws. All jaws reverse for inside and outside pulls. Pulling capacity: (short jaws) 4 1/2 ton, (medium jaws) 6 1/2 ton, (large jaws) 8 ton. Includes:

CJ105A8 3-Way Jaw Control
CJ105-3 Pressure Screw (3/4"-16 x 13")
CJ105A9 2-Way Jaw Control
CJ105-1 Yoke
CJ105-5 Small Jaw (3)
CJ105-10 Short Jaw to Control Pin (3)
CJ105-6 Medium Jaw (3)
CJ105-11 Long Jaw Pin (4)
CJ105-7 Large Jaw (3)
CJ105-12 Cross Bar
CJ66-15-3 Centering Point
CJ86-1 Yoke (1 3/4"–4 1/2")



CJ2005

Accessory Set

CJ2005 Accessory Set
Boost the versatility of the CJ2000A components with a bearing separator, a variety of centering adaptors, and a 12" yoke and clamp bolt to add spread to your bar type set. Includes:

CJ81B1A Adaptor (1 1/8"–1 1/2" Diameter)
CJ85-6 Adaptor (1 21/32"–2 1/8" Diameter)
CJ81B2A Adaptor (1 1/4"–1 5/8" Diameter)
CJ85-7 Adaptor (1 27/32"–2 1/2" Diameter)
CJ81D1A Adaptor (1 1/8"–1 5/8" Diameter)
CJ85-8 Adaptor (2 3/8"–3 1/16" Diameter)
CJ81D2A Adaptor (13/16"–1 11/32" Diameter)
CJ118-1 Yoke (6"–10 1/2")
CJ85-5 Adaptor (1 1/2"–2" Diameter)
CJ85-2 Jaw (1 3/4" Maximum reach)
CJ950 Bearing Separator
CJ118-2A Bolt

Pressure Screws

CJ83-9 Pressure Screw
Optional pressure screw for bar style intechangeable pullers. Applications include heavy duty truck transmissions like Eaton® transmissions found on Kenworth® heavy duty trucks. Can also be used with: CJ2000A, CJ2000S, CJ2000SB, CJ2002 and CJ2004. Thread: 3/4"-16. Length: 8 3/4".

Bolt Grip Puller Set

CJ2001P Bolt Grip Puller Set
Services steering wheels, flywheels, pulleys and gears with tapped holes. Includes a four-position two- and three-way yoke, three different pressure screw tips and an assortment of fractional and metric bolts. Approximate spread to bolt is 1 1/4"–3 13/16". Includes PB54B storage case.



CJ2001P

CJ2001FBK Bolt and Washer Set
Replaces all fractional bolts and washers in CJ2001P bolt grip puller set.

CJ2001MBK Bolt and Washer Set
Replaces all metric bolts and washers in CJ2001P bolt grip puller set.

Small/Pilot Bearing Pullers

A78 Small Bearing Puller
For bearings and bushings typically found in small electric motors. Includes large jaw set for bronze and oilite bushings and small jaw set for smaller bearings and bushings. Up to 3 tons of pulling power. Working range is 1/2"–2".



A78

SP2031A Pilot Bearing Puller
- Attaches to slide hammer shafts with 3/4"-16 or 5/8"-18 threads
- Pressure screw adaptor is made of stress-resistant steel
- Industrial finish



SP2031

Small Slide Hammer Puller Set

CJ93B Small Slide Hammer Puller Set
Remove bushings, seals, sleeves, bearings, bearing races, bronze and oilite bushings and pressed-in studs. Includes two sets of jaws, grease retainer adaptor, bearing hook, body dent puller, stud pulling head and 2 lb slide hammer. Thread size is 3/8-16.



CJ93B

Tapped Hole Puller Set

CG60GB Tapped Hole Puller Set
Use on steering wheels with tapped holes. Includes two- and three-way yoke, pressure screw and adaptor plus four sets of studs.



CG60GB

Rear Axle Bearing Puller

CJ9180 Rear Axle Bearing Puller
No slide hammer required. Removes axle bearing on free-floating axle designs. Use with impact gun or by hand. Uniquely designed to brace against axle housing for complete removal of bearing assembly. Smooth, steady operation. Kit contains interchangeable feet to allow pulling of bearings with an I.D. from 1"–2 7/8"



CJ9180

AUTOMOTIVE

Steering Wheel Pullers

CJ134 Tilt Steering Pivot Pin Puller
Allows efficient removal of the two pivot pins on all tilt steering columns used on Chrysler®, Ford® and GM® vehicles.



CJ134

CG95B Steering Wheel Lock Plate Remover
Designed for airbag equipped Saginaw steering columns found on *GM*, *Chrysler* LH Series (LHS®, Intrepid®, Concorde and Eagle Vision), some Toyota® and Saab® vehicles. Includes one narrow bridge, one wide bridge, two pressure screws: one has 9/16"-18 threads, the other has M14-1.5 threads. The puller is zinc plated. Overall length is 4 7/8".



CG95B

CG6095A Master Steering Wheel Puller Set
Combines the CG60GB Tapped Hole Puller and CG95B Lock Plate Remover. Lock Plate Remover is designed for servicing airbag equipped Saginaw steering columns found on *GM*, *Chrysler* LH Series (*LHS*, *Intrepid*, Concorde and Eagle Vision), some *Toyota* and *Saab* vehicles.



CG6095A

CJ145 Steering Wheel Puller for *GM* Vehicles
Use on new *GM* steering wheels with air bags including tilting and telescoping styles. Handle attachment facilitates puller setup and can be removed when working in confined areas. Applications: Buick® (1997 and later Park Avenue/Regal), Cadillac® (1997 and later Catera), Chevrolet®/GMC® (1997 and later Corvette®/Malibu®, 1998 C & K series trucks, 1998 full size vans, 1998 Astro/Safari® vans), Oldsmobile® (1997 and later Cutlass) and Pontiac® (1988–1993 LeMans, 1997 and later Grand Prix®/Trans Sport van).



CJ145

CJ131P Steering Wheel Puller and Lock Plate Depressor Set
Includes a selection of bolts and a handle in PB72 storage case for servicing *GM*, *Ford*, *Chrysler* and AMC® vehicles. Adaptors are included for servicing lock plates on all *GM* and *AMC* vehicles with tilt wheel. Detachable handle helps hold puller when turning force is applied to pressure screw. Industrial finish.



CJ131P

⚠WARNING

- Screen puller application
- Inspect the puller, do not use damaged parts
- Use the proper type and size puller for the job
- Read safety precautions on pages W1 to W4

PULLERS: AUTOMOTIVE



YA6490A



CJ146

Harmonic Damper Pulley Pullers

YA6490A Harmonic Damper Pulley Puller
- New spring-loaded legs allow for leg position retention
- Provides greater ease and control when installing the puller in confined areas
- Removes harmonic damper pulleys found on many Chrysler® and GM® engines
- Used on autos, pickups, SUVs and vans

YA6491A Harmonic Damper Pulley Puller Update Kit
- Updates earlier YA9740 pullers to the same applications as the new YA6490A
- Kit updates other pulley pullers that are similar to the YA9740 series of pullers
- Add YA6491 Update Kit to existing YA9740 series pullers to add these new applications: GM*:* 4.2 L straight 6 cylinder: Chevy® Trailblazer®, GMC® Envoy®, Oldsmobile® Bravada® (2003 and later), Buick® Rainier (2004 and later), 3.5 L Straight 5 cylinder: *Chevy* Colorado®, *GMC* Canyon® (2004 and later), Hummer® H3 (2006 and later), 2.8 L straight 4 cylinder: *Chevy Colorado*, *GMC Canyon* (2005 and later)

CJ146 Harmonic Damper Pulley Puller
- Remove the crankshaft harmonic balancer on 1990 and later 3.3 L and 3.8 L *GM* engines
- Shoulder bolt adaptors provide correct installation depth, preventing damage to the crank sensor and interrupter rings
- Includes three CJ146-1 adaptors and one CJ146-2 extension plus vinyl storage pouch; requires Snap-on® CJ98-1 yoke and CJ83-3 pressure screw for use (not included)



CJ117C



CJ124A



CJ3PSA



CJ147A

CJ117C Power Steering and Alternator Pulley Puller
Includes short adaptor to remove small flange type pulley; use long adaptor on *GM* 200/Platform vehicles. Can also remove *Chrysler* alternator pulleys that have double grooves. Replace pulleys with CJ113B Installer. Long adaptor included to handle pulleys on *GM* minivans. Nickel/chrome finish, industrial finish screw. Designed for most domestic cars. (Replace pulley with CJ122 sets). Long adaptor included to handle pulleys on *GM* minivans. Nickel/chrome finish, industrial finish screw.

CJ124A Power Steering/Alternator Pulley Puller
This is a larger version of CJ117C. Designed for *Chrysler*, Ford® and earlier *GM* vehicles.

CJ3PSA Power Steering and Alternator Pulley Puller/Installer Set
Set includes CJ113B, CJ117C, and CJ124A pullers.

CJ147A Power Steering Gear Lower Pinion Bearing Puller
- Required tool to comply with GM *R*ecall Bulletins #02049 and #03062 regarding power steering gear lower pinion bearing separation

Applications:
Buick:
Regal® 1996–1998
Chevrolet:
Cavalier 1996–1998
Lumina 1997–1998
Lumina APV 1996
Monte Carlo® 1997–1998
Venture 1997–1998
Oldsmobile:
Cutlass 1997–1998
Cutlass Supreme 1996–1998 Silhouette 1996–1998
Intrigue 1998
Pontiac®:
Grand Prix® 1996–1998
Sunfire® 1996–1998
Trans Sport 1996–1998



CJ122



CJ138



CJ113B

Power Steering and Alternator Pullers

CJ122 Power Steering Pulley Installer Set
Includes CJ113B Installer and CJ113C4 Pulley Installer Shaft. Thread size of 5/8"-18UNF-2A (puller end), 3/8" 16UNC-2A (shaft end).

CJ138 Pulley Installer
8 mm pulley installer features a black industrial finish and a thrust bearing for easier installation.
Applications: power steering pulley on *Ford* 4.6 L V8 (1991 and later), *Ford* 2.5 L V6 (1995 and later) plus the installation of water pump drive pulleys on *GM* 4.6 L (1992 and later *Oldsmobile* Aurora).

CJ113B Power Steering/Alternator Pulley Installer
Designed for domestic cars. 1" pulley driver hex, 7/16" pressure screw hex, thread size of 5/8"-18UNF-2A (puller end), 3/8" 16UNC-2A (shaft end). 4 5/8" long.

CJ113B3 Bushing
Included with CJ113B.

CJ113C4 Pulley Installer Shaft
- Thread size of 5/8"-18UNF (puller end), 3/8"-16UNC (alternator end)

CJ132A Master Power Steering Pump/Alternator Puller/Installer Set
GM Quad 4, *GM* 3.1 L and Ford® 4.6 L applications. Removes/installs press on, belt driven accessory pulleys. Removal housing for grooved hub diameters of 1 1/8", 1 5/16" and 1 3/8". Includes components for 3/8"-16 threaded shaft. Housing holding bar prevents main housing from spinning during use with an impact wrench. Quad 4 installation nut simplifies usage with 4 cylinder *GM* vehicles. Includes instructions and carrying case.

CJ132-1 Pulley Tool
CJ132-2 Sleeve
CJ132-3 Installation Nut
CJ132-4 Quad 4 Removal Pin
CJ132-5 Quad 4 Installer
CJ132-6 *GM* 3.1L Installer
CJ132-7 Installer (3/8"-16)
CJ132-8 *Ford* 4.6L Installer
CJ1329 Universal Removal Pin
CJ13210 Housing Holding Bar
CJ13211 Quad 4 Installation Nut
CJ13212 Threaded Shaft
CJ13213 Removal Housing
CJ13214 Bearing
CJ13215 Washer
CJ132AIS Instruction Sheet



CJ132A

Pitman® Arm Pullers

CJ119B *Pitman* Arm Puller
- Designed for most US cars and light trucks. Pressure screw size: 3/4"-16 x 6 7/8". Industrial finish

CJ115 *Pitman* Arm Puller
- Similar in design to CJ119B except it is designed for compact and intermediate size cars

PAR1188 Heavy Duty Pitman Arm Puller
- Removal of large pitman arms on ¾ to 1 ton pick up trucks

Applications: *Ford* F-250/350 (2000 and later), Dodge 2500/3500 (2011 and later), Chevrolet/GMC 2500/3500 (2011 and later)

YA6880 Low-Profile *Pitman* Arm Puller
- Fits in the confined space on most *GM* 1988–2000 C & K chassis trucks and SUVs. Also fits 2001–present trucks and SUVs with steering gear box/ *Pitman* arms. Forged chromoly steel for strength and durability. Design allows the technician to remove the arm off the steering gear box without altering the boxes position as a substantial time saver. Patent pending



CJ119B



YA6880

GENERAL PURPOSE INTERCHANGEABLE

Light Duty Builds Pullers:

Stock No.	Puller Type	Maximum Reach, inches	Outside Spread, inches	Inside Spread, inches
CG240	2-Jaw	2 1/2	0–3	7/8–3 1/4
CG240H	2-Jaw	2 1/2	0–3	7/8–3 1/4
CG243	3-Jaw	2 1/2	0–3	7/8–3 1/4
CG243H	3-Jaw	2 1/2	0–3	7/8–3 1/4

CG2400B Light Duty Puller Set
This versatile set provides two- or three-jaw pulling with pressure screw or slide hammer options. Interchange parts to build any of the four puller combinations.
- Up to 2 1/2 tons of pulling power
- 3" diameter capacity for outside pulls



CG2400B

Medium Duty Builds Pullers:

Medium duty pullers deliver up to 7 1/2 tons of pulling power, 4 1/2" diameter capacity for outside pulls and from 3/4"–8" diameter capacity for inside pulls. CG6223 hydraulic conversion set converts CG250 and CG253 manual pullers to hydraulic power. The manual components of the indicated medium duty pullers are included in the heavy duty (CG2500/CG2510 Series) sets.

Stock No.	Puller Type	Maximum Reach, inches	Outside Spread, inches	Inside Spread, inches
CG250	2-Jaw	3	0–4 1/2	1 1/2–3 1/2
CG250H	2-Jaw	3	0–4 1/2	1 1/2–3 1/2
CG250HL	Long Jaw, 2-Jaw	6	0–8 1/2	3/4–8
CG253	3-Jaw	3	0–4 1/2	1 1/2–3 1/2
CG253H	3-Jaw	3	0–4 1/2	1 1/2–3 1/2
CG253L	3-Jaw	6	—	3/4–8



CG250

⚠WARNING
- Screen puller application
- Inspect the puller, do not use damaged parts
- Use the proper type and size puller for the job
- Read safety precautions on pages W1 to W4

PULLERS: GENERAL PURPOSE INTERCHANGEABLE



CG2510BSHY

Heavy Duty

Builds Pullers:

Stock No.	Puller Type	Maximum Reach, inches	Outside Spread, inches	Inside Spread, inches
CG654HY	Hydraulic, 2-Jaw	3	0–4 1/2	1 1/2–3 1/2
CG655HY	Hydraulic, 3-Jaw	3	0–4 1/2	1 1/2–3 1/2
CG270	2-Jaw	5 1/2	0–8 1/2	2 1/2–7
CG270H	2-Jaw	5 1/2	0–8 1/2	2 1/2–7
CG270S	Special Grip, 2-Jaw	5 1/2	0–8 1/2	2 1/2–7
CG273	3-Jaw	5 1/2	0–8 1/2	2 1/2–7
CG273H	3-Jaw	5 1/2	0–8 1/2	2 1/2–7
CG280	Long Jaw, 2-Jaw	8	0–10	3–8
CG283	Long Jaw, 3-Jaw	8	0–10	3–8
CG274HY	Hydraulic, 2-Jaw	8 3/4	10	3–8
CG275HY	Hydraulic, 3-Jaw	8 3/4	0–10	3–8

The CG2510 and CG2500 Series deliver:
- Up to 12 1/2 tons of pulling power
- 10" diameter capacity for outside pulls
- From 3/4"–8" diameter capacity for inside pulls

CG2510BSBHY Heavy Duty Manual/Hydraulic Puller Set
Includes 40 interchangeable components, including the CG1224 10 ton hydraulic power kit. All components are displayed on a VE213 tool control board, which is mounted inside a KRA276D wall cabinet.

VE213 Tool Control Board
Tool control board for the CG2500BSBHY manual/hydraulic puller set.



CG2500BSB

CG2150BSBHY

The big CG2510BSBHY set builds 45 different pullers with dozens of pulling variations from the included 40 components and 10 ton hydraulic set. Without hydraulics (CG2500BS Manual Set), 32 separate pullers are still possible. Add the Snap-on® CG6223 6 ton hydraulic power kit and add seven puller combinations to each set.

CG2510BSHY Heavy Duty Manual/Hydraulic Set
Same as CG2510BSBHY set mounted on a VE213 tool control board. Does not include the wall cabinet.

CG2510BHY Heavy Duty Manual/Hydraulic Puller Set
Same as CG2510BSBHY Set except it does not include either the tool control board or the wall cabinet.

CG2500BSB Heavy Duty Manual Puller Set
This is the CG2510BSBHY set less the 10 ton hydraulic power kit components. Tool control board for this set is VE113B; wall cabinet is KRA276D.

VE113B Tool Control Board
Panel "A" is designed to hold the components for CG2500BS interchangeable puller set (6, 7 1/2, 10 and 12 1/2 ton capacity). Also used as the tool control board for the CG2500BSB manual puller set.

CG2500BS Heavy Duty Manual Puller Set
Same as CG2500BSB set mounted on a VE113B tool control board, without the KRA276D wall cabinet.

CG2500B Heavy Duty Manual Puller Set
Same as CG2500BSB set, without the tool control board or the wall cabinet.



YA13450



YA13350

Pulley Pullers

YA13450 Harmonic Dampener Pulley Puller
- Use on 3.5L and 5.7L Dodge® engines
- Unique design accesses pulley on internal pulley ledges

YA13350 Harmonic Dampener Pulley Puller
- Use on 3.6L Camaro® engines
- Unique design accesses pulley on internal pulley ledges

PULLERS: 2-JAW PRESSURE SCREW

2 Ton Capacity (1.8 t), 2-Jaw

Stock No.	Maximum Reach, inches (mm)	Maximum Spread, inches (mm) inside	Maximum Spread, inches (mm) outside	Pressure Screw Size, inches	Jaw Thickness, inches (mm)	Jaw Width, inches (mm)
CG240	2 1/2 (64)	7/8–3 1/4 (22–83)	3 (76)	3/8-16 x 5 1/16	3/16 (5)	3/8 (10)
CG240L	3 1/2 (89)	7/8–3 3/4 (25–95)	4 (102)	3/8-16 x 6 1/16	3/16 (5)	3/8 (10)



CG240

6 Ton Capacity (5.4 t), 2-Jaw

CG250	3 (76)	1 1/2–3 1/2 (38–89)	4 1/2 (114)	5/8-18 x 6 7/8	1/4 (6)	3/4 (19)
CG250A*	3 (76)	1 1/2–3 1/2 (38–89)	4 1/2 (114)	5/8-18 x 6 7/8	1/4 (6)	3/4 (19)



CG250



CG270A

10 Ton Capacity (9.1 t), 2-Jaw

CG270	5 1/2 (140)	2 1/2–7 1/2 (64–178)	8 1/2 (216)	3/4-16 x 9 13/16	1/4 (6)	15/16 (24)
CG270A*	5 1/2 (140)	2 1/2–7 1/2 (64–178)	8 1/2 (216)	3/4-16 x 9 13/16	1/4 (6)	15/16 (24)
CG272**	5 1/2 (140), 8 3/4 (222)	2 1/2–7 1/2 (64–178), 3–8 (76–203)	8 1/2 (216), 10 (254)	3/4-16 x 9 13/16, 3/4-16 x 12 1/8	1/4 (6)	15/16 (24)
CG270S	5 1/2 (140)	2 1/2–7 1/2 (64–178)	8 1/2 (216)	3/4-16 x 9 13/16	1/4 (6)	15/16 (24)
CG280	8 3/4 (222)	3–8 (76–203)	10 (254)	3/4-16 x 12 1/8	1/4 (6)	15/16 (24)
CG284***	15 (381)	4 3/4–11 1/2 (121–292)	13 3/4 (349)	3/4-16 x 18 15/16	3/8 (10)	1 (25)

*Includes CG1 pulling plate. **Two jaw lengths. ***Includes pressure screw extension.



CG280

3-JAW PRESSURE SCREW

2 1/2 Ton Capacity (2.3 t), 3-Jaw

Stock No.	Maximum Reach, inches (mm)	Maximum Spread, inches (mm) inside	Maximum Spread, inches (mm) outside	Pressure Screw Size, inches	Jaw Thickness, inches (mm)	Jaw Width, inches (mm)
CG243	2 1/2 (64)	7/8–3 1/4 (22–83)	3 (76)	3/8-16 x 5 1/16	3/16 (5)	3/8 (10)
CG243L	3 1/2 (89)	7/8–3 3/4 (22–95)	4 (102)	3/8-16 x 6 1/16	3/16 (5)	3/8 (10)



CG243

6 Ton Capacity (5.4 t), 3-Jaw

CG253L	6 (152)	3/4–8 (19–203)	5/8-18 x 6 7/8	5/8-18 x 6 7/8	5/16 (8)	3/8 (10)



CG253L

7 1/2 Ton Capacity (6.8 t) 3-Jaw

CG253	3 (76)	1 1/2–3 1/2 (38–89)	4 1/2 (114)	5/8-18 x 6 7/8	1/4 (6)	3/4 (19)

12 1/2 Ton Capacity (11.3 t), 3-Jaw

CG273	5 1/2 (140)	2 1/2–7 1/2 (64–178)	8 1/2 (216)	3/4-16 x 9 13/16	1/4 (6)	15/16 (24)
CG273A	5 1/2 (140)	2 1/2–7 1/2 (64–178)	8 1/2 (216)	3/4-16 x 9 13/16	1/4 (6)	15/16 (24)
CG283	8 (203)	3–8 (76–203)	10 (254)	3/4-16 x 12 1/8	1/4 (6)	15/16 (24)
CG285	15 (381)	4 3/4–11 1/2 (121–292)	13 3/4 (254)	3/4-16 x 18 15/16	3/8 (10)	1 (25)



CG285



CG1

Pulling Plate

CG1 Pulling Plate
Ideal where there is no gripping surface for the puller alone. Attach plate to item being pulled – puller clamps behind the plate. Includes four each of the following screws: 1/4"-20 x 3/4" and 1/4"-28 x 1". Plate has a 3 5/8" diameter.

Flat Points

CG270-21 Flat Point
Fits CG270 and CG280 series pullers.

CG300-21 Flat Point
Fits CG300 and CG305 series pullers.

CG70 Flat Point Set
Includes CG270-21, CG300-21 and CG325-21 flat points.

⚠WARNING

- Screen the puller application
- Inspect the puller, do not use damaged parts
- Use the proper type and size puller for the job
- Read safety precautions on pages W1 to W4

PULLERS: 2-JAW SLIDE HAMMER



CG240H

2 Ton Capacity (1.8 t)–1 1/16 lb Hammer

Stock No.	Maximum Reach, inches (mm)	Maximum Spread, inches (mm) inside	Maximum Spread, inches (mm) outside	Slide Screw Size, inches	Jaw Thickness, inches (mm)	Jaw Width, inches (mm)
CG240H	2 1/2 (63)	7/8–3 1/4 (22–82)	3 (76)	3/8-16 x 12 5/8	3/16 (5)	3/8 (10)
CG240HL	3 1/2 (88)	7/8–3 3/4 (25–95)	4 (102)	3/8-16 x 12 5/8	3/16 (5)	3/8 (10)



CG250HL

6 Ton Capacity (5.4 t)–2 1/8 lb Hammer

CG250C*	3 (76)	1 1/2–3 1/2 (38–89)	4 1/2 (114)	5/8-18 x 18 1/16	1/4 (6)	3/4 (19)
CG250H	3 (76)	1 1/2–3 1/2 (38–89)	4 1/2 (114)	5/8-18 x 18 1/16	1/4 (6)	3/4 (19)
CG250HL	6 (152)	3/4–8 (19–203)	—	5/8-18 x 18 9/16	7/32 (5)	5/16 (8)

*Includes CG250H puller, CG1 pulling plate and pressure screw



CG270C

10 Ton Capacity (9.1 t)–3 1/2 lb Hammer

CG270C**	5 1/2 (140)	2 1/2–7 1/2 (64–178)	8 1/2 (216)	3/4-16 x 23 3/8	1/4 (6)	15/16 (24)
CG270H	5 1/2 (140)	2 1/2–7 1/2 (64–178)	8 1/2 (216)	3/4-16 x 23 3/8	1/4 (6)	15/16 (24)

**Includes CG1 pulling plate and pressure screw

PULLERS: 3-JAW SLIDE HAMMER



CG243H

2 1/2 Ton Capacity (2.3 t)–1 1/16 lb Hammer

Stock No.	Maximum Reach, inches (mm)	Maximum Spread, inches (mm) inside	Maximum Spread, inches (mm) outside	Slide Screw Size, inches	Jaw Thickness, inches (mm)	Jaw Width, inches (mm)
CG243H	2 1/2 (64)	7/8–3 1/4 (22–83)	3 (76)	3/8-16 x 12 5/8	3/16 (5)	3/8 (10)
CG243HL	3 1/2 (89)	7/8–3 3/4 (25–95)	4 (102)	3/8-16 x 12 5/8	3/16 (5)	3/8 (10)



CG253H

7 1/2 Ton Capacity (6.8 t)–2 1/8 lb Hammer

CG253H	3 (76)	1 1/2–3 1/2 (38–89)	4 1/2 (114)	5/8-18 x 18 1/16	1/4 (6)	3/4 (19)

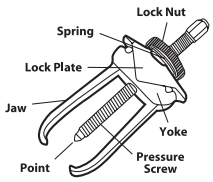


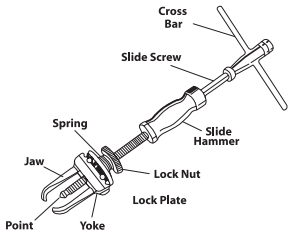
CG273C

12 1/2 Ton Capacity (11.3 t)–3 1/2 lb Hammer

CG273C*	5 1/2 (140)	2 1/2–7 1/2 (64–178)	8 1/2 (216)	3/4-16 x 23 3/8	1/4 (6)	15/16 (24)
CG273H	5 1/2 (140)	2 1/2–7 1/2 (64–178)	8 1/2 (216)	3/4-16 x 23 3/8	1/4 (6)	15/16 (24)

*Includes CG273H puller, CG1 pulling plate and pressure screw





2 and 2 1/2 Ton Puller Group (CG240 Series): 1 1/16 lb Hammer (CG240H Series)

Stock No.	2-Jaw Yoke CG240-2	3-Jaw Yoke CG243-2	Std. Pres. Screw CG240-1	Long Pres. Screw CG240-11	Slide Screw CG240-8	Slide Hammer CG240-9	2-Jaw Lock Plate CG240-5	3-Jaw Lock Plate CG243-5	Spring CG240-6	Adj. Nut CG240-7	Std. Jaw CG240-3	Long Jaw CG240-10
CG240	1	—	1	—	—	—	1	—	1	1	2	—
CG240L	1	—	—	1	—	—	1	—	1	1	—	2
CG240H	1	—	—	—	1	1	1	—	1	1	2	—
CG240HL	1	—	—	—	1	1	1	—	1	1	—	2
CG243	—	1	1	—	—	—	1	1	1	1	3	—
CG243L	—	1	—	1	—	—	—	1	1	1	—	3
CG243H	—	1	—	—	1	1	—	1	1	1	3	—
CG243HL	—	1	—	—	1	1	—	1	1	1	—	3

6 and 7 1/2 Ton Puller Group (CG250 Series): 2 1/8 lb Hammer (CG250H Series)

Stock No.	2-Jaw Yoke CG250-2	3-Jaw Yoke CG253-2	Pressure* Screw CG250-1A	Slide* Screw CG250-8A	Slide Hammer CG250-9	Cross Bar CG10F	Lock Plate CG250-5	Spring CG250-6	Adj. Nut CG250-7	Std. Jaw CG250-3	Long Jaw CG250-10	Pulling Plate CG1
CG250	1	—	1	—	—	—	1	1	1	2	—	—
CG250A	1	—	1	—	—	—	1	1	1	2	—	1
CG250C	1	—	1	1	1	1	1	1	1	2	—	1
CG250H	1	—	—	1	1	1	1	1	1	2	—	—
CG250HL	1	—	—	1	1	1	1	1	1	—	2	—
CG253	—	1	1	—	—	—	1	1	1	3	—	—
CG253H	—	1	—	1	1	1	1	1	1	3	—	—
CG253L	—	1	1	—	—	—	1	1	1	—	3	—
CG2500B**	1	1	1	1	1	1	2	2	2	3	3	—

**CG2500B continued in next chart

CG2500B Heavy Duty Manual Puller Set Same as CG2500BSB set, without the tool control board or the wall cabinet.
CG250-20 Replacement Point replacement point.
CG250-8A Slide Screw has 5/8" UNF threads.

10 and 12 1/2 Ton Puller Group (CG270, CG280 Series): 3 1/2 lb Hammer (CG270H Series)

Stock No.	2-Jaw Yoke CG270-2	3-Jaw Yoke CG273-2	Std. Pres.* Screw CG270-1A	Long Pres.* Screw CG270-11A	Man. Adaptor CG270-13	Slide* Screw CG270-8A	Slide Hammer CG66-2	2-Jaw Lock Plate CG270-5	3-Jaw Lock Plate CG273-5	Spring CG270-6	Lock Nut CG270-7	Std. Jaw CG270-3	Long Jaw CG270-10	Special Jaw CG270-3S	Extra Long Jaw CG270-12
CG270	1	—	1	—	—	—	—	—	—	1	1	2	—	—	—
CG270A	1	—	1	—	—	—	—	—	—	1	1	2	—	—	—
CG270C	1	—	1	—	—	1	1	—	—	1	1	2	—	—	—
CG270H	1	—	—	—	—	1	1	—	—	1	1	2	—	—	—
CG270S	1	—	1	—	—	—	—	1	—	1	1	—	—	2	—
CG272	1	—	—	1	—	—	—	1	—	1	1	—	2	—	—
CG273A	—	1	1	—	—	—	—	—	1	1	1	3	—	—	—
CG273C	—	1	1	—	—	1	1	—	—	1	1	3	—	—	—
CG273H	—	1	—	—	—	1	1	—	1	1	1	3	—	—	—
CG280	1	—	—	1	—	—	—	—	—	1	1	—	2	—	—
CG283	—	1	—	1	—	—	—	—	1	1	1	—	3	—	—
CG284	1	—	—	1	1	—	—	—	—	1	1	—	—	—	2
CG285	—	1	—	1	1	—	—	—	—	1	1	—	—	—	3
CG2500B	1	1	1	1	—	1	1	1	1	2	2	3	3	3	—

CG270-20 Replacement point for CG270/CG280 series pullers.
CG270-21 Fits CG270 and CG280 series pullers.
CG270-8A Has 3/4-16" UNF threads.

⚠WARNING

- Screen the puller application
- Inspect the puller, do not use damaged parts
- Use the proper type and size puller for the job
- Read safety precautions on pages W1 to W4

PULLERS: INDUSTRIAL

VE113B Panel A



VE138-3B Panel B

VE138-2B Panel C



VE138-1B Panel D

CG1038KA

Industrial Puller Sets

CG1038KA Industrial Puller Set
Includes more than 35 basic pullers that will assemble into more than 165 puller combinations. Standard pullers in this set have a range from 2–20 tons. The hydraulic power components provide up to 20 tons of easy pulling power. Optional 10 and 50 ton hydraulic accessories are available. Components are mounted on (four) 24" x 32" x 3/4" tool control panels (labeled "A," "B," "C" and "D" below) with white silhouettes. The panels are mounted on KRA213E A-frame.

CG1038K Industrial Puller Set
This is the CG1038KA set but does not include the KRA213E A-frame.

CG1050KA Expanded Industrial Puller Set
Includes CG1038KA set plus the CG1224 power kit for converting 10 ton manual pullers to hydraulic power; CG300-1, CG305-8 and CG350-1 pressure screws; CG343-1 4" plug; CG350-2 manual yoke for converting the 20 ton hydraulic pullers to manual power; and CG555 basic hydraulic set for building a 50 ton hydraulic bar type puller. Also includes CG420-5C pressure gauge, CG420-6 gauge mounting adaptor, ten CG250-20 small centering adaptors and ten CG270-20 large centering adaptors.

KRA213E A-Frame
Mobile unit features 23,220 cu in, 1,260 sq in of storage for convenient access and orderly storage. Measures 26 1/2" x 52 3/8" x 32 3/8".

Tool Control Boards

VE113B Tool Control Board
Panel "A" is designed to hold the components for CG2500BS interchangeable puller set (6, 7 1/2, 10 and 12 1/2 ton capacity). Also used as the tool control board for the CG2500BSB manual puller set.

CG250 Pressure Screw Puller
CG250H Slide Hammer Puller
CG250HL Slide Hammer Puller
CG253 Pressure Screw Puller
CG253H Slide Hammer Puller
CG270 Pressure Screw Puller
CG270H Slide Hammer Puller
CG270S Pressure Screw Puller
CG273 Pressure Screw Puller
CG273H Slide Hammer Puller
CG280 Pressure Screw Puller
CG283 Pressure Screw Puller

VE138-3B Tool Control Board
Panel "B" is designed to hold CG2400 light duty puller set, CJ840C tapped hole puller set, CJ949 bearing separator and CJ9500 bearing separator set components

CG240 Pressure Screw Puller
CG240H Slide Hammer Puller
CG243 Pressure Screw Puller
CG243H Slide Hammer Puller
CJ93B Small Slide Hammer Puller Set
CJ840C Manual Tapped Hole Puller
CJ949 Bearing Separator
CJ950 Bearing Separator
CJ951 Bearing Separator
CJ952 Bearing Separator

VE138-2B Tool Control Board
Panel "C" is designed to hold CG450HYA 20 ton hydraulic bar type puller components and the components of CG2545AB blind hole bearing puller set.

CG40C Blind Hole Bearing Puller
CG45 (1-1 3/4") Puller Set
CG450 Manual Push-Pull Puller
CG450HYA Hydraulic Push-Pull Puller

VE138-1B Tool Control Board
Panel "D" is designed to hold components of CG400 20 ton jaw type puller, three CG305-9 long jaws, CG455 and CG455A threaded adaptor sets, plus CG455-18 and CG455-19 pressure screw adaptors. The adaptors are for use with the bar-type pullers on tool control panel "C."

CG400 Combination Manual Puller
CG400HYA Combination Hydraulic Puller
CG405 Combination Manual Puller
CG450HYA Hydraulic Push-Pull Puller

Features of Two Stage Hydraulic Pumps
- Two stage design will advance 20–50 ton rams in the low pressure stage in less than 1/3 the strokes required on other models
- CG520 Ram extends in 60–70 strokes
- CG420 Ram extends in 17–19 strokes
- When high pressure is required, the low-pressure stage automatically kicks out to leave the high-pressure stage to do the work


CG650


CG420-1A


CG720


CG520

Ram (Cylinder) Specifications

Capacity, tons	Stock No.	Stroke, inches	Collapsed Height, inches	Extended Height, inches	Effective Area (piston)	Oil Capacity, cu in	Pressure Screw Size, inches
4	**CG220**	2 1/4	6	8 1/4	.966	2.174	1/2-13 x 14 1/4
6	**CG650**	1 1/2	4 11/16	6 3/16	1.473	2.210	5/8-11 x 13 1/4
10	**CG120**	1	4 3/4	5 3/4	2.440	2.440	3/4-10 x 16 1/4
20	**CG420-1A**	2	6	8	4.418	8.836	1 1/8-8 x 20 1/2
35	**CG720**	2 1/2	7	9 1/2	7.903	19.758	1 3/8-8 x 25
50	**CG520**	3	8 1/8	11 1/8	11.066	33.198	1 5/8-5 1/2 x 30

CG222 4 Ton Set
Includes:
CG120-3-1 Hose
CG120-4 Coupler Set
CG220 4 Ton Ram
CG220-13 Pressure Screw
CG4-2A 4 to 10 Ton Hyd. Pump

CG652 6 Ton Pump and Ram Set
Includes:
CG120-3-1 Hose
CG120-4 Coupler Set
CG250-20 Replacement Point
CG4-2A 4–10 Ton Hyd. Pump
CG650 6 Ton Ram

CG122 10 Ton Pump and Ram Set
Includes:
CG120 10 Ton Ram
CG120-13 Pressure Screw
CG120-3-1 Hose
CG120-4 Coupler Set
CG270-20 Replacement Point
CG4-2A 4–10 Ton Hyd. Pump

CG420A 20 Ton Set
Includes:
CG420-1-14 Centering Adaptor
CG420-1A 20 Ton Ram
CG420-2A 1 Stage Pump
CG420-3-1 Hose
CG420-4 Coupler Set
CG420A2S 20 Ton Set
Same as CG420A with the CG420-2S two stage pump.


CG4-2A


CG420-2A


CG420-2S

HYDRAULIC ACCESSORIES

CG6223 6 Ton Power Kit
Converts CG250 and CG253 manual pullers to hydraulic power.
Includes:
CG652 6 Ton Pump and Ram Set
CG250-15 2-Jaw Yoke
CG250-16 Hand Wheel Adaptor
CG253-15 3-Jaw Yoke


CG1224


CG420-5C


CG420-6

CG1224 Hydraulic Conversion Kit
Both conversion kits provide hydraulic power for the pullers, which are included in the CG2500B puller sets. 10 ton. Converts CG270, CG273, CG280 and CG283 manual pullers (on Tool Control Panel "A") and CG1700/CG2500B puller sets to hydraulic power.
CG122 10 Ton Pump and Ram Set
CG270-15 2-Jaw Yoke
CG270-16 Hand Wheel Adaptor
CG273-15 3-Jaw Yoke

CG420-5C Pressure Gauge
Can be used with 6, 10, 20, 35 and 50 ton hydraulic equipment. Use CG4-2A, CG420-2A or CG420A-2S pumps. Indicates hydraulic pressure in tons of pressure as well as PSI. Adaptor CG420-6 is required to attach gauge to pumps.
CG420-6 Gauge Mounting Adaptor
Mounts CG420-5C pressure gauge to 6, 10, 20, 35 and 50 ton hydraulic systems.

⚠WARNING
- Screen the puller application
- Inspect the puller, do not use damaged parts
- Use the proper type and size puller for the job
- Read safety precautions on pages W1 to W4

PULLERS: 2-AND 3-JAW HYDRAULIC



CG654HY



CG655HY



CG274HY



CG277HY



CG400HYA



CG343



CG405HYA



CG425HYA



CG560HY

6 Ton Capacity (5.4 t)

Stock No.	Maximum Reach, inches (mm)	Maximum Spread, inches (mm) inside	Maximum Spread, inches (mm) outside	Pressure Screw Size, inches	Jaw Thickness, inches (mm)	Jaw Width, inches (mm)
CG654HY† Hydraulic, 2 Jaw	3 (76)	1 1/2–3 1/2 (38–89)	4 1/2 (114)	5/8-11 x 13 3/4	1/4 (6)	3/4 (19)
CG655HY*† Hydraulic, 3 Jaw	3 (76)	1 1/2–3 1/2 (38–89)	4 1/2 (114)	5/8-11 x 13 3/4	1/4 (6)	3/4 (19)

†Includes hydraulic ram and pump set.
*To convert to manual power, use pressure screw, adjusting nut and yoke from either CG250 or CG253 Pullers.

10 Ton Capacity (9.1 t)

Stock No.	Maximum Reach, inches (mm)	Maximum Spread, inches (mm) inside	Maximum Spread, inches (mm) outside	Pressure Screw Size, inches	Jaw Thickness, inches (mm)	Jaw Width, inches (mm)
CG274HY† 2 Jaw Model	8 3/4 (222)	3–8 (76–203)	3–8 (76–203), 10 1/2 (266)	3/4-10 x 16 1/4	1/4 (6)	15/16 (24)
CG275HY† 3 Jaw Model	8 3/4 (222)	3–8 (76–203)	10 (254)	3/4-10 x 16 1/4	1/4 (6)	15/16 (24)
CG276HY† 2 Jaw Model	15 (381)	4 3/4–11 1/2 (121–292)	13 3/4 (349)	3/4-10 x 23 3/8	3/8 (9)	1 (25)
CG277HY* 3 Jaw Model	15 (381)	4 3/4–11 1/2 (121–292)	13 3/4 (349)	3/4-10 x 23 3/8	3/8 (9)	1 (25)

†Includes hydraulic ram and pump set.
*To convert to manual power, use pressure screw, adjusting nut and yoke from either CG270 or CG273 Pullers.

20 Ton Capacity (18.1 t) - Combination 2-and 3-Jaw

Stock No.	Maximum Reach, inches (mm)	Maximum Spread, inches (mm) outside	Pressure Screw Size, inches	Jaw Thickness, inches (mm)	Jaw Width, inches (mm)
CG400HYA*	9 1/2 (241)	13 (330)	1 1/8-8 x 20 1/2	7/16 (11)	1 1/4 (32)
CG400HYA2S	CG400HYA with two stage pump				
CG400	CG400HYA less hydraulic ram and pump				
CG343	Manual version of CG400HYA. Includes CG343-1 4" Plug and CG300-1 1-14 Pressure Screw in place of ram and pump				
CG343-1	4" Plug	—	—	—	—
CG300-1	1-14 Pressure Screw	—	1 x 14 x 14 5/8	—	—
CG405HYA*	14 (355)	15 (381)	1 1/8-8 x 20 1/2	9/16 (14)	1 1/4 (32)
CG405HYA2S	CG405HYA with two stage pump				
CG405	CG405HYA less hydraulic ram and pump				
CG348	Manual version of CG405HYA. Includes CG343-1 4" Plug and CG305-8 1-14 Pressure Screw in place of ram and pump				
CG305-8	1-14 Pressure Screw	—	1-14 x 18 3/8	—	—
CG425HYA*	19 (482)	20 (508)	1 1/8-8 x 20 1/2	1 1/8 (29)	1 1/2 (38)
CG425HYA2S	CG425HYA with two stage pump				
CG425	CG425HYA less hydraulic ram and pump				
CG325	Manual version of CG425HYA. Includes 1 3/8-8 x 20 1 1/16" pressure screw in place of pump, ram, washer adaptor, ram adaptor and cap screws				

*Included with hydraulic ram.

50 Ton Capacity (45.36 t) - Combination 2-and 3-Jaw

Stock No.	Maximum Reach, inches (mm)	Maximum Spread, inches (mm) outside	Pressure Screw Size, inches	Jaw Thickness, inches (mm)	Jaw Width, inches (mm)
CG560HY*	28 (711)	44 (1,118)	1 5/8–5 1/2 x 30	1 7/16 (36)	2 (51)
CG560HY2S	CG560HY w/ 2 stage pump				

*Included with hydraulic ram

PULLERS: BAR-TYPE MANUAL TAPPED HOLE SETS

6 Ton Capacity (5.4 t), Tapped Hole

Stock No.	Max. Reach, in. (mm)	Max. Spread, in. (mm)	Pressure Screw Size, inches	Side Rods	Side Rod Adaptors (2 each), inches
CJ840C	33 (838)	2 5/8–11 5/8 (67–295)	1-14 x 33	5/8-18	1/2-20, 1/2-13, 3/4-16, 3/4-10
Complete Puller Set	Side rods in set are provided 2 each in 5" (CJ84-5), 10" (CJ84A2) and 20" (CJ84-3) lengths				3/8-24, 3/8-16, 5/16-24, 5/16-18, 7/16-20, 5/8-18, 5/8-11, 7/16-14
CJ84C	CJ840C less all adaptors and side rods except 5/8-18 x 10.				
Basic Puller Set					1/2-20, 1/2-13, 5/8-18, 5/8-11, 3/4-16, 3/4-10



CJ840C

BAR-TYPE MANUAL PUSH-PULL SETS

6 Ton Capacity (5.4 t), Push/Pull

Stock No.	Max. Reach, in. (mm)	Max. Spread, in. (mm)	Pressure Screw Size, inches	Pressure Screw Adaptor	Side Rods, inches	Side Rod Adaptors, inches
CG706 Push/Pull Set	14 1/8 (358)	2 5/8–7 1/2 (67–191)	5/8-18 x 10	—	7/16-14 x 8 (4 each)	7/16-14f x 5/8-18m



CG706

10 Ton Capacity (9.1 t), Push/Pull

Stock No.	Max. Reach, in. (mm)	Max. Spread, in. (mm)	Pressure Screw Size, inches	Pressure Screw Adaptor	Side Rods, inches
CG710 Push/Pull Set	17 5/8 (448)	3 9/16–9 3/8 (90–238)	3/4-16 x 12	CG710-3 3/4-16f x 5/8-18m	(2) 5/8-18 x 8, (2) 5/8-18 x 12



CG710

BAR-TYPE HYDRAULIC/MANUAL SETS

6 Ton Capacity (5.4 t), Hydraulic

Stock No.	Maximum Reach, inches (mm)	Maximum Spread, inches (mm)	Pressure Screw Size, inches	Pressure Screw Adaptor	Side Rods, inches	Side Rod Adaptors, inches
CG656HY* Hydraulic Set	14 1/8 (358)	2 5/8–7 1/2 (67–191)	5/8-11 x 13 3/4	5/8-11f x 5/8-18m	7/16-14 x 8	7/16-14f x 5/8-18m
CG656	CG656HY Set less the hydraulic components					

*Included with hydraulic ram

10 Ton Capacity (9.1 t), Hydraulic

Stock No.	Maximum Reach, inches (mm)	Maximum Spread, inches (mm)	Pressure Screw Size, inches	Pressure Screw Adaptor	Side Rods, inches	Side Rod Adaptors, inches
CG150HY* Hydraulic Set	17 5/8 (448)	3 9/16–9 3/8 (90–238)	3/4-10 x 16 1/4	3/4-10f x 5/8-18m, 3/4-10f x 3/4-16m	5/8-18 x 8, 5/8-18 x 12	—
CG150	CG150HY Set less the hydraulic components					

*Included with hydraulic ram



CG150HY

20 Ton Capacity (18.1 t), Hydraulic

Stock No.	Maximum Reach, inches (mm)	Maximum Spread, inches (mm)	Pressure Screw Size, inches	Pressure Screw Adaptor	Side Rods, inches	Side Ride Adaptors, inches
CG450HYA Hydraulic Set	24 (610)	6–15 (152–381)	1 1/8-8 x 20 1/2	—	7/8-14 x 20, 7/8-14 x 10	7/8-14f x 7/8-14m, 7/8-14f x 5/8-18m
CG450HYA2S*	CG450HY Set with 2 stage pump					
CG450	CG450HY Set less the hydraulic components					
CG350*	Manually operated version of the CG450					

*Included with hydraulic ram



CG450HYA

35 Ton Capacity (31.7 t), Hydraulic

Stock No.	Maximum Reach, inches (mm)	Maximum Spread, inches (mm)	Pressure Screw Size, inches	Pressure Screw Adaptor	Side Rods, inches	Side Rod Adaptors, inches
CG750HY* Hydraulic Set	26 (660)	8 1/2–17 (216–432)	1 3/8-8 x 25	1 3/8-8f x 7/8-14m	1-14 x 20, 1-14 x 10	1-14f x 7/8-14m, 7/8-14f x 3/4-16m
CG750HY2S	CG750HY Set with 2 stage pump					
CG750	CG750HY Set less the hydraulic components					

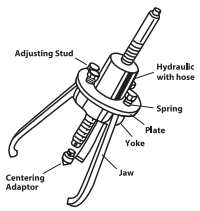
*Included with hydraulic ram

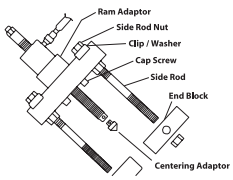
⚠WARNING

- Screen the puller application
- Inspect the puller, do not use damaged parts
- Use the proper type and size puller for the job
- Read safety precautions on pages W1 to W4

PULLERS: REFERENCE CHARTS

Jaw-Style Pullers (Hydraulic and Manual)





Stock No.	Hydraulic Unit	Ram Adaptor	Hydraulic Adaptor	Yoke	Pressure Screw	4" Dia. Plug	Plate	Spring	Adj. Stud	Jaws	Side Arms/ Side Plate	Arm Bolts Arm Nuts	Washers/ Cap Screws
CG654HY	CG652	CG250-16	–	CG250-15	*	–	CG250-5	CG250-6	–	CG250-3 (2)	–	–	–
CG655HY	CG652	CG250-16	–	CG253-15	*	–	CG250-5	CG250-6	–	CG250-3 (3)	–	–	–
CG274HY	CG122	CG270-16	–	CG270-15	*	–	CG270-5	CG270-6	–	CG270-3 (2)	–	–	–
CG275HY	CG122	CG270-16	–	CG273-15	*	–	CG273-5	CG270-6	–	CG270-10 (3), CG270-3 (3)	–	–	–
CG276HY	CG122	CG270-16	CG270-14	CG270-15	*	–	CG270-5	CG270-6 (4)	–	CG270-12 (2)	–	–	–
CG277HY	CG122	CG270-16	CG270-14	CG273-15	*	–	CG273-5	CG270-6 (4)	–	CG270-12 (3)	–	–	–
CG400HYA	CG420A	–	–	CG400-2	*	–	CG400-5	CG400-6 (4)	CG400-7 (4)	CG300-3 (3)	–	–	–
CG343	–	–	–	CG400-2	CG300-1	CG343-1	CG400-5	CG400-6 (4)	CG400-7 (4)	CG300-3 (3)	–	–	–
CG405HYA	CG420A	–	–	CG400-2	*	–	CG400-5	CG400-6 (4)	CG400-7 (4)	CG305-9 (3)	–	–	–
CG348	–	–	–	CG400-2	CG305-8	CG343-1	CG400-5	CG400-6 (4)	CG400-7 (4)	CG305-9 (3)	–	–	–
CG425HYA	CG420A	CG425-9	–	CG325-2	*	–	–	–	–	CG325-3 (3)	CG325-4 (3)	CG325-5 (3)	CG425-7
CG325	–	–	–	CG325-2	CG325-1	–	–	–	–	CG325-3 (3)	CG325-4 (3)	CG325-5 (3)	–
CG560HY	See Hyd. Unit Chart	–	–	CG560-2	*	–	–	–	–	CG560-3 (3)	CG560-4 (6)	CG560-5 (9)	–

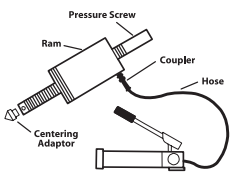
*Included with hydraulic ram (see chart below).

Bar-Style Pullers (Hydraulic and Manual)

Set Stock No.	Hyd. Unit Ram Adapt.	Yoke	Pressure Screw	Centering Adaptor	Pressure Screw Adaptor	Thrust Nut Thrust Washer	Side Rods (2)	Side Rod Hex Nuts (6)	Clip/ Washer	Side Rod Conn. Nuts (2)	End Blocks (2)	Side Rod Adaptors (2)	Cap Screw (2 ea)
CJ84C	–	CJ84-1B	CJ84-4	CJ84-16	–	–	5/8-18 x 10	–	ME5A16 (2)	–	–	–	–
CG706	–	CG656-2	CG706-1	C250-20	–	CG325-6, CG706-2	CG656-3 (4) (8")	CG656-7	CG656-8 (4)	CG656-6	CG656-6	CG656-12	–
CG710	–	CG150-2	CG710-1	CG270-20	CG710-3	CG45-2, CG710-2	CG150-3 (12"), CG150-4 (8")	–	–	–	CG150-6	–	–
CG656HY	CG654, CG656-9	CG656-2	*	–	CG656-13	–	CG656-3 (8")	CG656-7	CG656-8 (2)	CG656-5	CG656-6	CG656-12	CG656-11, CG656-10
CG656	–	CG656-2	–	–	CG656-13	–	CG656-3 (8")	CG656-7	CG656-8 (2)	CG656-5	CG656-6	CG656-12	CG656-11, CG656-10
CG150HY	CG122, CG150-9	CG150-2	*	*	CG150-12 (5/8"), CG150-13 (3/4")	–	CG150-3 (12"), CG150-4 (8")	–	–	–	CG150-6	–	CG150-11, CG150-10
CG150	–	CG150-2	–	–	CG150-12 (5/8"), CG150-13 (3/4")	–	CG150-3 (12"), CG150-4 (8")	–	–	–	CG150-6	–	CG150-11, CG150-10
CG450HYA	CG420A, CG425-9	CG450-10	*	*	–		CG350-3 (18"), CG350-4 (9")	CG350-7	CG350-8 (2)	CG350-5	CG350-6	CG350-9	CG450-11, CG450-12
CG450	– CG425-9	CG450-10	–	–	–		CG350-3 (18"), CG350-4 (9")	CG350-7	CG350-8 (2)	CG350-5	CG350-6	CG350-9	CG450-11, CG450-12
CG350	CG420A, CG425-9	CG350-2	CG350-1	–	–		CG350-3 (18"), CG350-4 (9")	CG350-7	CG350-8 (2)	CG350-5	CG350-6	CG350-9	CG450-11, CG450-12
CG750HY	See Hyd. Unit Chart	CG750-2	*	*	CG750-11 (7/8"), CG750-13 (7/8")	–	CG750-3 (20"), CG750-4 (10")	CG750-7	CG750-8 (2)	CG750-5	CG750-6	CG750-9, CG750-10	CG750-11, CG750-12
CG750	– CG720-9	CG750-2, CG550-2	–	–	CG750-14 (1 1/8")	–	CG750-3 (20"), CG550-3, CG750-4 (10")	CG750-7, CG550-7	CG750-8 (2)	CG350-5	CG750-6	CG750-9, CG750-10	CG750-11, CG550-10, CG750-12

*Included with hydraulic ram (see chart below).

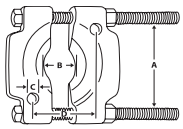
Hydraulic Power Units



Stock No.	Capacity, tons	Ram	Included with Ram Pressure Screw	Included with Ram Centering Adaptor	Hose	Coupler	Pump	Optional Pressure Gauge	Items* Gauge Adaptor
CG222	4	CG220	CG220-13	–	CG120-3-1	CG120-4	CG4-2A	–	–
CG652	6	CG650	CG650-13	CG250-20	CG120-3-1	CG120-4	CG4-2A	CG420-5C	CG420-6
CG122	10	CG120	CG120-13	CG270-20	CG120-3-1	CG120-4	CG4-2A	CG420-5C	CG420-6
CG420A	20	CG420-1A	CG420-1-13A	CG420-1-14	CG420-3-1	CG420-4	CG420-2A	CG420-5C	CG420-6

*Standard with CG559 Bar-Style Puller Set.

Bearing Separators



- For separating and pulling double bearings and close fitting gears. Use with tapped hole, two-jaw pullers or floor presses

Stock No.	A	B	B	C	D
CJ949	1 11/16	1 1/8	1/4	5/16"–18	2 5/8
CJ950	2 3/8	2 3/8	3/8	3/8"–16	3 3/4
CJ951	4 3/8	4 1/2	5/8	5/8"–18	7 1/4
CJ952	5 7/8	6 1/8	1 1/2	5/8"–18	9 5/16
CJ953	8 3/8	8 3/4	1 1/4	3/4"–16	14 7/16



CJ950 CJ952

Male Adaptors

Stock No.	Female Thread	Male Thread
CG656-12	7/16"-14	5/8"-18
CG656-13	5/8"-11	5/8"-18
CJ84-6	5/8"-18	5/16"-24
CJ84-15	5/8"-18	5/16"-18
CJ84-7	5/8"-18	3/8"-24
CJ84-10	5/8"-18	3/8"-16
CJ84-8	5/8"-18	7/16"-20
CJ84-18	5/8"-18	7/16"-14
CJ84-9	5/8"-18	1/2"-20
CJ84-11	5/8"-18	1/2"-13
CJ84-17	5/8"-18	5/8"-18
CJ84-12	5/8"-18	5/8"-11
CJ84-13	5/8"-18	3/4"-16
CJ84-14	5/8"-18	3/4"-10
CG710-3	3/4"-16	5/8"-18
CG150-12	3/4"-10	5/8"-18
CG150-13	3/4"-10	3/4"-16
CG46-7*	3/4"-10	1"-14
CG46-8**	3/4"-16	1"-14
CG750-9	1"-14	3/4"-16
CG750-10	1"-14	7/8"-14
CG455-18	1 1/8"-8	5/8"-18
CG455-19	1 1/8"-8	7/8"-14
CG47-420	1 1/8"-8	1 1/4"-12
CG550-9	1 3/8"-6	1 3/4"-12
CG455-1	7/8"-14	5/8"-18
CG455-2	7/8"-14	5/8"-11
CG455-3	7/8"-14	3/4"-16
CG455-4	7/8"-14	7/8"-10
CG455-5	7/8"-14	7/8"-9
CG455-6	7/8"-14	1"-14
CG455-7	7/8"-14	1"-8
CG455-8	7/8"-14	1 1/8"-12

*For attaching CG46 Series Pullers to CG105HY Hydraulic Bar-Style Puller.
**For attaching CG46 Series Pullers to CG710 Push/Pull Set.

CG455 Male Adaptor Set
Includes two each of the male adaptors CG455-1 – CG455-8 (16pc).

- Male and female adaptors add versatility to the pulling and pushing capabilities of bar-style pullers
- Adaptors change the diameter and/or thread pitch of pressure screws and side rods to accommodate item being pushed or pulled
- Unthreaded male ends of bull nose adaptors perform many pushing operations



CG455



CG455A

Female Adaptors

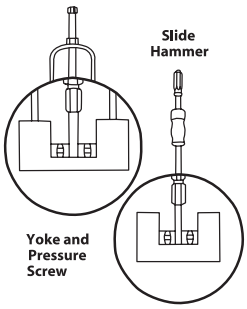
Stock No.	Female Thread
CG455-9	7/8"-14 and 5/8"-18
CG455-10	7/8"-14 and 3/4"-16
CG455-11	7/8"-14 and 1"-14
CG455-12	7/8"-14 and 1 1/8"-8
CG455-13	7/8"-14 and 1 1/8"-12
CG455-14	7/8"-14 and 1 1/4"-8
CG455-15	7/8"-14 and 1 1/4"-12
CG455-17	7/8"-14 and 1 1/2"-12
CG455-16	7/8"-14 and 1 1/2"-8

CG455A Female Adaptor Set
Includes two each of the female adaptors (18pc).

WARNING

- Screen the puller application
- Inspect the puller, do not use damaged parts
- Use the proper type and size puller for the job
- Read safety precautions on pages W1 to W4

PULLERS: BLIND HOLE BEARING



These special pullers will pull blind hole bearings, bushings and sleeves with inside diameters ranging from 1/4"–7" where regular pullers will not reach. The operation is simple. After the special collet is inserted through the bearing or sleeve, a matched expanding rod is threaded into the collet and secured. Pulling can be done through bridge of bar type yokes or with side hammers.

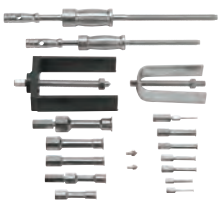


CG40CB

CG40CB Blind Hole Bearing Puller
Includes nine collets and yoke. Uses CG250-8A slide screw and CG250-9 slide hammer.

Includes:

CG40-1	CG40-3	CG41-11
CG41-14	CG41-12	CG41-13
CG40-4	CG40-9	CG40-15
CG40A6	CG40A10	CG40-7
CG40-8	CG40-2	



CG2545AB

CG2545AB Blind Hole Bearing Puller
Includes CG40C and CG45 sets plus slide screw and hammers.

Includes:

CG40-1	CG40-2	CG40-3
CG41-11	CG41-14	CG41-12
CG41-13	CG40-4	CG40-9
CG40-15	CG40A6	CG40A10
CG40-7	CG40-8	CG250-8A
CG250-9	CG270-1A	CG45-2
CG270-8A	CG45-15	CG45-3
CG45-4	CG45-6	CG45-7
CG66-2		



CG45

CG45 (1"-1 3/4") Puller Set
Three collets and yoke. Uses CJ105-4B slide screw and CJ97-3A slide hammer.

Includes:

CG270-1A	CG45-4	CG45-6
CG45-2	CG45-15	CG45-7
CG45-3		



CG46

CG46 (1" 5/8-3") Puller Set
Three collets, slide screw and hammer. For large size blind hole bearings, Torrington needle bearings, heavy duty bearings on live center lathes, conveyor belts and rollers.

Includes:

CG46-1	CG46-3	CG46-5
CG46-2	CG46-4	CG46-6



CG47

CG47 (3"-7") Puller Set
Master collet and pads plus slide screw and hammer.
Pulling size is changed by changing pads.

Includes:

CG4567N	CG47-204	CG47-209
CG4567O	CG47-205	CG47-210
CG47-201	CG47-206	CG47-211
CG47-202	CG47-207	CG47-212
CG47-203	CG47-208	

Set Components

Stock No.	Description	Internal Thread Size	External Thread Size
CG40-11	Collet, 43/64"–53/64"	—	—
CG40-12	Collet, 15 mm–18 mm	—	—
CG40-4-1	Collet Extension, 4" long	—	—
CG46-8	Manual Adaptor	—	—
CG46-7	Hydraulic Adaptor	—	—
CG47-420	Hydraulic Adaptor	—	—
CG250-8A	Slide Screw, 5/8"-18 UNF x 18 9/16"	—	—
CG250-9	Slide Hammer, 2 lb	—	—
CG40-1	Pressure Screw, 5/8"-18 x 7 3/4"	—	—
CG40-2	Nut, 15/16" Wrench Size	—	—
CG40-3	Yoke, 3 1/4" Spread	—	—
CG41-11	Expanding Rod	5/8-18	3/8-24
CG41-14	Collet, 1/4"–5/16"	—	—
CG41-12	Collet, 5/16"–3/8"	—	—
CG41-13	Collet, 3/8"–7/16"	—	—
CG40-4	Expanding Rod	5/8-18	1/2-20
CG40-9	Collet, 7/16"–1/2"	—	—
CG40-15	Collet, 1/2"–5/8"	—	—
CG40A6	Collet, 5/8"–3/4"	—	—
CG40-7	Collet, 3/4"–7/8"	—	—
CG40-8	Collet, 7/8"–1"	—	—
CG40A10	Collet, 1"–1 1/8"	—	—
CJ105-4B	Slide Screw, 3/4"-16 x 22 1/2"	—	—
CJ97-3A	Slide Hammer, 3 3/4 lb	—	—
CG270-1A	Pressure Screw, 3/4"-16 x 9 1/2"	—	—
CG45-2	Nut, 1 1/8" Wrench Size	—	—
CG45-3	Yoke, 5 3/4" Spread	—	—
CG45-4	Expanding Rod for:	3/4-16	5/8-18
CG45-15	Collet, 1"–1 1/4"	—	—
CG45-6	Collet, 1 1/4"–1 1/2"	—	—
CG45-7	Collet, 1 1/2"–1 3/4"	—	—
CG46-1	Slide Screw, 1"-14 x 18"	—	—
CG46-2	Slide Hammer, 6 lb	—	—
CG46-3	Expanding Rod	1-14	1 1/8-12
CG46-4	Collet, 1 5/8"–2"	—	—
CG46-5	Collet, 2"–2 1/2"	—	—
CG46-6	Collet, 2 1/2"–3"	—	—
CG4567N	Slide Screw, 1 1/4"-12 x 24"	—	—
CG4567O	Slide Hammer, 10 lb	—	—
CG47-201	Expanding Rod for:	1 1/4-12	1 1/8-12
CG47-202	Master Collet	—	—
CG47-203	Collet Pad, 3"–3 1/2" (3)	—	—
CG47-204	Collet Pad, 3 1/2"–4" (3)	—	—
CG47-205	Collet Pad, 4"–4 1/2" (3)	—	—
CG47-206	Collet Pad, 3 1/2"–5" (3)	—	—
CG47-207	Collet Pad, 5"–5 1/2" (3)	—	—
CG47-208	Collet Pad, 5 1/2"–6" (3)	—	—
CG47-209	Collet Pad, 6"–6 1/2" (3)	—	—
CG47-210	Collet Pad, 6 1/2"–7" (3)	—	—
CG47-211	Screw, 3/4" (3 sets of 2)	—	—
CG47-212	Screw, 1 3/4" (3 sets of 2)	—	—

Accessories

CG40-11 (43/64"–53/64") Collet
For needle bearings on Leece-Neville® alternators. Use with CG40-4 expanding rod.

CG40-12 (15 mm–18 mm) Collet
For pilot bearings on late model Ford® transmissions. Use with CG40-4 expanding rod.

CG40-4-1 (4" long) Collet Extension
For CG40 series collets.

CG46-8 Manual Adaptor
For attaching CG46 series pullers to CG710 push/pull set.

CG46-7 Hydraulic Adaptor
For attaching CG46 series pullers to CG105HY hydraulic bar style puller.

CG47-420 Hydraulic Adaptor
For attaching CG47 series pullers to CG450HYA hydraulic bar style puller.

CG46-3 Expanding Rod

Tools Required for Cummins® B and C Series Service Kits

		Applications				Set Contents	
		12 Valve	24 Valve			CUMDS12V	CUMDS24V
Stock No.	Description	pre-1994	1994–1998 1/2	1999–2002	2003	12 Valve	24 Valve
FB300A	Bent Blade Feeler Gauge	•	•	•	•	•	•
EEPD500	Compression Gauge	•	•	•	•	•	•
MB5D	Bronze Injector Brush	•	•	•	•	•	•
MB6BTA	Stainless Steel Injector Brush	•	•	•	•	•	•
YA9565A	Engine Turnover Tool	•	•	•	•	•	•
CJ140-1	Injector Slide Hammer Puller	•	•	•		•	•
CJ142	14 mm Injector Adaptor	•				•	
FRHM17	17 mm 6-Point Crowfoot	•				•	
FRXM17	17 mm 6-Point Flare Nut Socket	•				•	
M3584	Compression Adaptor	•				•	
SP144	Injection Pump Wrench	•				•	
SP145	Idle Wrench (10 mm)	•				•	
TSM24	24 mm 6-point Deep Socket	•				•	
FRHM19	19 mm 6-Point Crowfoot		•	•	•		•
FRXM19	19 mm 6-Point Flare Nut Socket		•	•	•		•
EEPV313C	Compression Adaptor		•	•	•		•
CJ143	Adaptor		•	•			•
CJ144	Adaptor		•	•			•
SP504	Gear Puller		•	•			•
CJ148	Fuel Line Plug			•	•		•
CJ149	Adaptor				•		•
TB40	Tote Bag					•	•



CUMDS12V



CUMDS24V



TB40

Optional Tools

EEDMTACH1	Digital Tachometer to measure engine rpm	•	•	•	•		
TWM14A	14 mm 1/2" dr Shallow Socket use with V22A to adjust valves	•					
SP346	Fan Wrench (36 mm)	•					

CUMDS12V 12 Valve Diesel Set for *Cummins* B and C Series

- Services *Cummins* B and C Series 12 valve engines from pre-1994
- Additional applications include Dodge® Ram® 250 and 350 pickups, Ford® pickups with 3.9 L, 5.9 L and 8.3 L diesel engines, J.I. Case® tractors and off road equipment
- 14 tools in tote bag

CUMDS24V 24 Valve Diesel Set for *Cummins* B and C Series

- Services *Cummins* B and C Series 12 and 24 valve engines 1994 and later
- Additional uses include *Dodge* heavy duty pickups and all applications with ISB and ISC diesel engines
- 14 tools in tote bag

Diesel Timing Gauge Set (Blue-Point®)

SP500 Diesel Timing Gauge Set

- The SP500 diesel gauge set will update existing 2017DSP diesel service sets to handle 1994–1998 *Cummins* "B" engines used in *Dodge Ram* 250/350 pickup trucks and some *Ford* trucks
- Updated 2017DSP set will also service *J.I. Case* tractors and off road equipment

SP503 Spline Socket (*Blue-Point*)

- Used to remove and replace the delivery valve on most Bosch® fuel injection pumps
- Wrench size is 34-tooth
- 1/2" drive size

SP504 Gear Puller (*Blue-Point*)

- Used to remove the injection pump gear
- Bolt thread is M8 x 1.25
- Bolt length is 44 mm

SP5001 Dial Indicator (*Blue-Point*)

- Features rack and pinion construction
- Refer to the pump manufacturer's service manual when using this gauge
- Gauge diameter is 2 1/4"
- Range is 30 mm
- Gauge is marked in .01 mm increments

SP5002 Gauge Holder (*Blue-Point*)

- Used in fuel injection pump in place of the #1 delivery valve to locate the base circle of the injection pump cam
- Male thread is M22 x 1.5



SP500



SP503



SP504



SP5002

⚠WARNING

- Screen the puller application
- Inspect the puller, do not use damaged parts
- Use the proper type and size puller for the job
- Read safety precautions on pages W1 to W4

DIESEL: SERVICE TOOLS FOR CUMMINS® ENGINES



CG80HYA



CG80A

Wet Sleeve Pullers

CG80HYA Hydraulic Wet Sleeve Puller
- Provides hydraulic pressure for removing wet sleeves on *Cummins* diesels, trucks and heavy construction and farm equipment with a cylinder diameter of 3"–6"
- Reach of 7"–12"
- Adjustable bridge fits around studs in block
- Includes a 6 ton hydraulic power pack
- Contains one set each of CG80-110-22

CG80A Wet Sleeve Puller
Manual version of CG80HYA.

CG80-11 Insert (1/4")
For CG80A/CG80HYA Wet Sleeve Pullers.

CG80-22 Insert (5/16")
For CG80A/CG80HYA Wet Sleeve Pullers.



CJ83C



M1324

Pulley Installers and Pullers

CJ83C Pulley and Gear Puller
Ideal for servicing crankshaft pulleys, gears and timing gears on a wide range of gasoline and diesel engines including *Cummins* accessory drives and water pumps. Includes two each 3/8"-16 x 3", 5/16"-18 x 2 1/2" and M10-1.5 x 65 mm bolts. Nominal capacity is 3 1/2 tons.

Includes:

CJ86-1 Yoke
CJ83-3 Pressure Screw
CJ66-15-3 Centering Point
ME5A54 Washer (1 needed)
ME5A55 Washer
ME3A45 Studs (2)
ME3A44 Studs (2)
ME3A75 Studs (2)

M1324 Pulley Installer
For installing the accessory drive pulley on the shaft. Includes 7/8"-14 NC threaded adaptor, washer type bearing and installer housing.



PPM516A



SIML200



FTXEL45E



SIMML242

Engine Sockets

PPM516A Drain Plug Socket
1/2" square male end with 1/2" drive. Extra strength to remove drain plugs. 1 7/16" long.

SIML200 6-Point Extra Deep Impact Socket
5/8" single hex for the stud used for the rocker box on engines equipped with Jacobs® engine brake. 1/2" drive, 5" long.

FTXEL45E Extra Long TORX® Socket Driver
Quickly and easily access intake bolts on *Cummins* N14 diesel engines without removing the air pump. Can also be used on older *Cummins* NH Big Cam four diesel engines. 3/8" square drive.

SIMML242 6-Point Metric Extra Deep Impact Socket
- For removing and installing the head bolts on *Cummins* ISX engines



ST669

Torque Adaptor Set

ST669 Torque Adaptor Set
Use to loosen and adjust lock nuts to manufacturing specifications.

ST669-1 Handle Assembly
Handle assembly.

M1302B18 12-Point Deep Socket
9/16" deep, 12-point socket.

M1302B24 12-Point Deep Socket
3/4" deep, 12-point socket.

M1302A5 Screwdriver
1/2" x .062 screwdriver.

TM82 Flat Tip Socket Driver
1/4" x .036 flat tip driver.



M3540C



M3584



M3585

Compression Adaptors

These compression adaptors are for use with the EEPD500 compression gauge.

M3540C Compression Adaptor
For *Cummins* 855 cu in NH and 903 V8 and L10 diesel engines.

M3584 Compression Adaptor
For Case®/*Cummins* series "B" 2.9 L, 3.9 L and 5.9 L diesel engines.

M3585 Compression Adaptor
For *Case/Cummins* series "C" 8.3 L engines.



MB5D



MB6BTA



BNH1

Injector Brushes (Blue-Point®)

MB5D Injector Brush (*Blue-Point*)
Bronze, non-abrasive brush cleans carbon from injector tips.

MB6BTA Injector Brush
Stainless steel wire brush cleans the injector cavity in the cylinder head. For *Cummins* B series engines and *J.I. Case* equipment. 9" long.

BNH1 Injector Brush
For *Cummins* NH series engines.



Fuel Line Tools



CJ148 Fuel Line Plug
For plugging fuel lines.

CJ149 Fuel Tube Remover
For fuel inlet tubes on later model vehicles.

YA6615 Flare Nut Wrench (Blue-Point®)
- Use on Dodge® trucks with 5.9 L engines (2003 and later) and 6.7 L engines (2007 and later)
- Easily slides into the confined area of the cylinder head
- Wrench is required to hold the 24 mm flare nut while the 19 mm fuel line coupler is loosened
- Helps prevent costly damage to the fuel lines



Injector Pullers

CJ125A Injector Puller
- Slide hammer puller services “D,” “Top Stop,” and small V8 injectors. 10 1/2” long

CJ140 Diesel Injector Puller Set
- Use on fuel injectors in *Cummins* “B” and “C” Series 3.9 L, 5.9 L and 8.3 L engines used in Dodge® pickups and Case® tractors/off-road equipment. Will service all 1994–1998-1/2 standard injectors as well as fuel inlet tubes

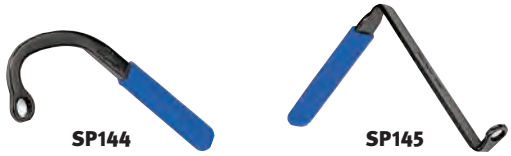
CJ140-1 Slide Hammer (8 mm)
- Use to pull injectors from heads on 1998-1/2–2002 *Dodge/Cummins*. 8 mm x 1.25 thread. Use CJ144 Puller to put the fuel inlet tube prior to removing the injector

CJ141 Diesel Injector Puller Adaptor (12 mm)
- Use on *Cummins* diesel injectors prior to 1994

CJ142 Diesel Injector Puller Adaptor
- Use on *Cummins* diesel injectors from 1994–1998-1/2. M14 X 1.5 threads

CJ143 Diesel Injector Puller (8 mm)
- Use on 1998-1/2 *Cummins* diesel injectors in tight access areas

CJ144 Diesel Injector Puller (15 mm)
- Use on 1998-1/2–2002 *Cummins* diesel fuel inlet tubes



Injector Pump/Idle Lock Nut Wrench *(Blue-Point)*

SP144 Injection Pump Wrench
13 mm, 12-point box wrench is used to service the injection pump mounting bolts found on 5.9 L *Cummins* engines.

SP145 Idle Lock Nut Wrench
- 10 mm, 12-point wrench with 90° angle is designed to remove or install mounting bolts on the diesel injection pump
- For *Cummins* B Series 5.9 L engines



Air Compressor/Fuel Pump Wrenches

M1328A Air Compressor/Fuel Pump Wrench
Includes 5/8", 12-point box wrench on one end for servicing fuel pumps and a specially designed 11/16" open end for access to air compressor bolts.

M1321 Air Compressor/Fuel Pump Wrench
- Similar to M1328A but has a 12-point box wrench on both ends
- Accommodates air compressor and fuel pump flange bolts on NH Series Inline 6 cylinder engines

M1329 Fuel Pump Wrench
- Includes 7/16", 12-point box end for servicing fuel pump bolts on NH series engines equipped with *Cummins* air compressors
- 6 5/8" long



Valve Adjusting Wrenches

M1322 Valve Adjusting Wrench
- 3/4", 12-point box wrench to tighten lock nuts on rocker arms
- Designed to clear the aftercooler
- 14 3/4" long

M1319 Valve Adjusting Wrench
- 7/8", 12-point box wrench to tighten lock nuts on rocker arms
- Designed to clear the aftercooler
- 12" long



Fan Wrench (Blue-Point®)

SP346 Fan Wrench
- 36 mm open end wrench services fan clutch attaching bolts on B Series *Cummins* engines
- Can also be used on fan clutch bolts on Navistar® 6.9 L and 7.3 L engines
- Wrench is 15" long and has a blue, vinyl covered handle



Engine Turning Tool

YA9565A Engine Turning Tool
- Used to rotate the engine for making valve and injection pump adjustments on *Cummins*® and *J.I. Case* 3.9 L, 5.9 L and 8.3 L “B” and “C” Series engines
- 3/8" square drive

DIESEL TOOLS



FDT1116

Fuel Line Disconnect Tools

- This set includes a total of four fuel line disconnect tools:
  –a straight and a 90° angle (for 11.8 mm fuel lines)
  –a straight and a 90° angle (for 16 mm fuel lines)
- The OEM tool sets ZTSE4773 and ZTSE4772 do not include the straight tools – the straight tools allow access into tight areas
- All four tool handles are highly visible orange for easy identification

FDT11 Angled Fuel Disconnect Tool
- 90° angle for 11.8 mm fuel lines

FDT11STR Straight Fuel Disconnect Tool
- For 11.8 mm fuel lines

FDT16 Angled Fuel Disconnect Tool
- 90° angle for 16 mm fuel lines

FDT16STR Straight Fuel Disconnect Tool
- For 16 mm fuel lines

FDT1116 Fuel Line Disconnect Tool Set
Set includes FDT11, FDT11STR, FDT16 and FDT16STR (four-piece)



SP7882

Injector Height Gauges (Blue-Point®)

- Use height gauges to set injectors during installation and at set service intervals
- Knurled handle screws into gauge at 90° angle for work in close quarters

Stock No.	Size	Series	Engine	Year
SP7882-782	78.2 mm	60/60 and 50	DDECI/DDECII	1986–1993/1986–1993
SP7882-788	78.8 mm	60 and 50	DDECIII	1994–1997
SP7882-803	80.3 mm	60/60 and 50	DDECIII/DDECIV	Late 1997/1997–1998
SP7882-810	81.0 mm	60 and 50	DDECIV/Marine	1998–1999/2000–2003
SP7882-821	82.1 mm	60	See service manual	See service manual

SP7882 Diesel Injector Height Gauge Set
- Five-in-one gauge set covers all applications for Detroit Diesel® 50 and 60 series engines
- Includes SP7882-782, SP7882-788, SP7882-803, SP7882-810 and SP7882-821 injector gauges plus SP7882-handle in vinyl storage pouch



M3530



M3531

Governor Gap Wrenches

M3530 Governor Gap Adjusting Wrench
- 3/8" open ends, 4" long
- Special thin design with 30° and 60° angle heads

M3531 Governor Gap Lock Nut Wrench
Similar to M3530 but has 7/16" open ends and is 4 1/4" long.





M3525A



M3503B



S6200



MFIMMD10

Special Application Sockets

Stock No.	Size, mm	Finish	Style	A	B	D	E
MFIMMD10	10	Industral Finish	12-point	15.1	17.2	28.6	7.1

M3525A Spanner Socket
- 1/2" drive, 3 7/32" long
- Includes 1 1/8" internal hex for use on "Fuel Squeezer" series of engines

M3503B Fuel Line Nut Socket
- 1/2" wrench opening. Six-point, 3/8" drive
- Shaped for access to fuel line nuts. 3 1/4" long
- Additional applications on the head temperature sensor found on Buell® Motorcycles

S6200 Engine Bearing Cap Bolt Socket
- Use to service engine cam bearing cap bolts on both older and newer generation Detroit Diesel® engines. Newer generation *Detroit Diesel* engines use longer cam bolts than earlier generation engines. The S6200 is specially designed to work on both engine generations. 12 mm wrench size. 1/2" drive. 4 3/8" overall length

MFIMMD10 12-Point Metric Shallow Magnetic Socket
- For use on *Detroit Diesel* 60 series, the MFIMMD10 is used on the three camshaft gear thrust plate bolts located inside the camshaft gear cover within the front gear case on the engine
- The mechanic has to go through the cover to start the bolts
- If one is dropped, it is very labor intensive and time consuming to retrieve
- Applies to 2002 and later 60 series *Detroit Diesel* engines with the compact gear case
- Please note: Earlier engines with the tall gear case have 13 mm six-point bolts
- Please MFIMM13 for this application



FCT706

Fan Clutch Wrench (Blue-Point®)

FCT706 Fan Clutch Wrench
- Fan clutch wrench for heavy duty truck engines
- Hole pattern on tool aligns with fasteners on fan hub
- Use with open end wrench to remove fan clutch. 24 1/2" length for maximum leverage

Applications: International® (VT365, T444E, DT466, DT350 and HT530), Ford® Power Stroke® (7.6 L and 6.0 L), *Detroit Diesel* (Series 40) and John Deere® engines.



BDD1

Injector Brush

BDD1 Injector Brush
Stainless-steel wire brush is for cleaning carbon buildup in the injector cup



FB325A



FB308D



FB328A

Feeler Gauges *(Blue-Point)*

FB325A U.S./Metric Feeler Gauge Set
- For adjusting governor gap
- Includes (25) 1/2 x 3" blades in sizes .0015" plus .002 to .025" in .001" increments

FB308D Step Feeler Gauge Set and Holder
- For adjusting valves
- Includes 12-step blades in sizes .008"/.010"–.028"/.030"

FB328A Step Feeler Gauge Set and Holder
- For adjusting valves
- Includes 2-step blades: .011"/.013" and .013"/.015"



M3517B



M3518

Push Rod Wrenches

M3517B Push Rod Lock Nut Wrench
1/2" open end, 102° offset handle.

M3518 Push Rod Adjusting Wrench
5/16" open end, 102° offset handle.



AWM4D

Metric Hex Wrenches

AWM4D Metric L-Shape Hex Wrench
For adjusting governor gap 4 mm hex

AWM5D Metric L-Shape Hex Wrench
For adjusting governor gap 5 mm hex

⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

DIESEL: FORD®/NAVISTAR®

Belt Tensioning Tool (Blue-Point®)



SRD6

SRD6 Belt Tensioner Release Tool
- 6" long adaptor with 1/2" male square
- The female triple square drive allows the user more flexibility to work around obstacles by coming in at different angles
- With a 1/2" breaker bar
- Similar to Snap-on® 6" torque adaptors but with a male square
- If using with a torque wrench, please refer to *Snap-on* part #SS306G Torque Chart for formula to obtain the correct applied torque

Heavy Duty Applications:
- For serpentine belt tensioners with a 1/2" square drive opening found on Series 60 Detroit Diesel® and Caterpillar® engines
- Other heavy duty applications include buses and delivery vans where the doghouse or engine shrouding can get in the way and make the work area very tight

Automotive Applications:
- 1/2" serpentine belt tensioners on Dodge®/Chrysler® vehicles (2.0 L and 3.0 L engines)
- *Ford* vehicles
- Lincoln® and Mercury® vehicles (2.3 L, 3.0 L, 4.2 L and 4.6 L engines)
- GM® vehicles (2.5 L, 4.7 L, 5.0 L and 5.7 L engines)



YA9340

YA9340 Serpentine Belt Wrench
- Use to release any serpentine belt tensioner with 1/2" square drive opening
- Ratcheting action allows better positioning of the tool, which allows more swing angle than a solid type serpentine belt wrench
- Reversible ratchet head is only 1" thick so it will fit between tensioner face and fan blades on S Series 60 *Detroit Diesel* and some *Caterpillar* engines
- Also great for working on buses and delivery vans where the doghouse or engine shrouding restrict access
- Compact overall length keeps handle from coming in contact with radiator hoses, charged air cooler pipes, hydraulic lines or frame rails
- Vinyl grip for comfort
- 13" overall length

Compression Adaptor



M3545B

M3545B Glow Plug Compression Adaptor
- For *GM* 4.3 L and 5.7 L plus *Navistar* 6.9 L and 7.3 L diesel engines
- Replacement valve core is M3545A4
- Must be used in conjunction with MT33C Compression Gauge and M3569 or M3570 Quick Couplers

M3545A4 Replacement Valve Core
Replaces valve core on M3545B.

Sensor and Filter Sockets



S6196KR

S6196KR Sensor Socket for *Ford* ICP
- Easily remove and install the ICP Sensor on 2002 and 2003 *Ford* 6.0 L diesel truck engines
- Spring retention securely holds sensor during use
- Six-point configuration with Flank Drive® wrenching system
- Wrench Size: 1 1/16". Drive Size: 3/8"
- O.D.: 1 7/16" (36.2 mm). Length: 2 9/16" (64.8 mm)

Glow Plug Tool



FGPT

FGPT Glow Plug Harness Tool
- Prevents damage to harness and connector rail
- Removes and installs glow plug connectors
- Orange color for easy identification in dark engine compartments

Fuel Filter Wrench *(Blue-Point)*



FFW2

FFW2 Dual Fuel Filter and Oil Filter Cap Socket
- Dual Purpose 36 mm hex and six notches allows the tool to work as both a fuel filter and oil cap socket
- 3/8" drive

Diesel Pulse Adaptor

MT257B Diesel Pulse Adaptor
- Test injector timing or engine RPM on diesel engines equipped with 1/4" or 6 mm external steel fuel injector lines
- Enables use with inductive pick up timing light to test engine timing
- MT257B is not for use on diesels with common rail fuel systems



MT257B

Quick Couplers

M3569A Quick Coupler
45° offset

M3570A Quick Coupler
90° offset



M3569A



M3570A

Injector Brushes

MB5D Injector Brush (Blue-Point®)
Bronze, non-abrasive brush cleans carbon from injector tips.

MB73A Injector Brush *(Blue-Point)*
Combination 5/16" and 13/16" diameter stainless steel wire brush to clean the injector bore and injector tip hole in the cylinder head.



MB5D



MB73A

Diesel Turbo Tools

PSWT10K Power Stroke Diesel Turbo Wrench for *Ford*
- 10 mm wrench is ideal for accessing the turbo mounting bolts located between the firewall and the turbo with exhaust intake in the way
- Designed for use on 2003 and later 6 L diesel Power Stroke® engines used on *Ford* F250, F350, E250 and E350
- Additional applications on *Navistar* VT365 engines and some International 4000 series of medium duty trucks
- Wrench has a zero degree offset six-point head
- Designed to remove excessively tight fasteners off the intake when removing turbocharger where a conventional 15° offset wrench will not work
- 5 1/2" long



PSWT10K

S6210 Diesel Turbo Inlet Pipe Socket for *Ford* Vehicles

Application: To access bolts holding the turbo inlet pipes to the turbo on 6.4 L diesel engines. There are six bolts with restricted access between the turbo and firewall. Removal of the two bolts below the EGR OC pipe is especially difficult without a 10 mm pipe socket.



S6210

TAP1225 Turbo Vane Actuator Puller
- Specially designed for *Ford* 6.4 L turbo diesel to save the technician time
- Compact size fits on or off the truck
- Self-aligning for easy install
- Remove the actuator link rod from the arm on the turbo of 2008–2010 *Ford* 6.4 L *Power Stroke* diesel engines



TAP1225

Pulley Puller

SP448 Pulley Puller
- For removing the air pump pulley. Fits over pulley flange.



SP448

⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

DIESEL: FORD®/NAVISTAR®



YA1140-1



YA1140-21



S6340E

Fuel Injector Sockets

- Complies with *Ford* TSB 11-10-10
- 12-point, 17 mm crowfoot design allows socket to slip onto the injector easily at any angle
- Design allows you to spin the socket under bent fuel lines
- Nose geometry reduces electrical connection damage
- The depth stop keeps the socket at the specified height
- Thick mass reduces flex and flare nut damage
- Design allows for clearance to torque the fitting without a torque adaptor

YA1140-1 Long Diesel Injector Crowfoot Socket

- *Ford* 6.7 L Power Stroke® Diesel
- The in-line design of the YA1140-1 allows accurate torquing of the injector and clears the plastic housing and fuel return line

YA1140-21 Offset Diesel Injector Crowfoot Socket

- *Ford* 6.7 L *Power Stroke* Diesel
- The design of the YA1140-21 allows it to rotate under the fuel line while the depth stop keeps it at the specified height to clear the plastic housing

YA1140 Diesel Injector Crowfoot Socket Set

Set includes YA1140-1 and YA1140-21 (two-piece)

Injector Hold Down Fastener Tools

S6340E TORX® Bit Socket

- Perfect length of 3 1/8" is ideal for removing and reassembly of *Ford Power Stroke* 6.0 L diesel injectors
- A regular length T40 bit socket is too short and a long T40 bit socket is too long when used with a ratchet or torque wrench and will not fit the application

AUTOMOTIVE DIESEL



SWR3



S3624



A129



OFSKIT

Sensor and Filter Sockets

SWR3 Water Sensor Socket

- Easily remove/replace water sensor without damage when changing the fuel filter on 2001–present GM® 6.6 L DuraMax® diesel engines
- GM 6.6 L *DuraMax* diesel engine applications include 2001–present Chevy®/GMC® pickups and *Chevy/GMC* medium duty trucks
- Manufactured from high strength, chemical-resistant glass filled nylon. 3/8" square drive
- NOTE: Due to possible sensor distortion from previous incorrect removal/installation methods, the sensor may slip in the SWR3 during removal. Use to reinstall the sensor, when proper hand tightening is used

S3624 Filter Flip Socket

- One tool will remove/install all three filter caps on *Ford* 6.0 L *Power Stroke* diesel powered vehicles such as Super Duty Series Pickups, Econoline Vans and Excursions
- Use for removal and installation of the oil filter cap plus primary and secondary fuel filter caps on these vehicles
- Not for impact use
- Requires optional 3/8" drive extension (FX1 or FXWP1 11/2" long).

Additional 24 mm Applications

- Buick® vehicles: VVT-V6 Rendezvous Ultra, LaCrosse CSX
- Cadillac® vehicles: VVT-V6 CTS, STS, SRX
- Saturn® vehicles: L-3000 V6

Additional 35/36 mm Applications

- Audi®/Volkswagen®: VR6 engine
- BMW®: 6, 8 and 12 cylinder engines
- Mercedes-Benz®: diesel engines
- Mini-Cooper® engines or vehicles
- Volvo®: 40 and 50 series, XC90 with 3.2 L six-cylinder engine

S3624 Specifications

- Square Drive Size: 3/8"
- Wrench Sizes: 24 mm and 35 mm/36mm
- Wrenching Configuration: Flank Drive®
- OD Major: 1.80" (45.7 mm)
- OD Minor: 1.38" (34.9 mm)
- Length: 1.73" (43.9 mm)
- Finish: Nickel/Chrome

A129 Diesel Fuel Filter Socket

- Use for removing and installing fuel filter housings found on 2002 and later Dodge® Ram® trucks with the 24 valve Cummins® diesel engine
- 11/8" wrench size. 3/8" drive

OFSKIT Oil/Fuel Filter Socket Set

- Includes: A127 and A106 oil filter sockets, S3624 filter flip socket and A129 fuel filter socket for *Cummins* Diesel (four-piece) in storage tray

Fan Clutch Wrench (Blue-Point®)

YA6180 Fan Clutch Wrench
- Use on GM® and Ford® diesel and gas engines with a 48 mm fan clutch nut
- Provides the extra leverage needed to remove the fan clutch nut
- Overall length of 20 1/8"
- Head width of 4 1/8"
- Head thickness of 3/8"



YA6180

Injector Pullers

IPK1170 Injector Puller Kit
- Injector Puller Kit for *GM* LB7 Duramax® Engines
- Pulls injector straight
- Pulls far enough to completely remove a stuck injector
- Saves time by reducing the likelihood of loosening the sleeves (up to 1/2 hour per sleeve)
- Removes sleeve from injector without damage



IPK1170

IPK1220 Injector Puller kit
- Removes diesel injectors on VW® and Audi® vehicles from 2000–present
- The correct tools all in one kit – no searching for shop tools
- Kit contains three adaptors with 2 lb slide weight on a 10" slide shaft
- Kit includes newest style adaptor that will keep this kit current for the next ten-plus years



IPK1220

Metric Injector Sockets

S6128 Metric Injector Socket
- For Bosch® type injectors on *GM* 6.2 L 6.5 L diesel engines
- 30 mm, six-point. 2 1/16" bolt clearance. 7/16" opening depth, 2 11/16" long
- 7/8" external hex on drive end

S6104B Metric Injector Socket
- For diesel engines in *VW* and Mercedes® vehicles
- 27 mm, 12-point
- Clearance bored to fit over fuel injector
- 1/2" drive. 3 1/4" long



S6128



S6104B

Flywheel Lock *(Blue-Point)*

YA6925 Flywheel Lock for *GM Duramax* 6.6 Liter Engines
- Works on 2001 and later 6.6 L *Duramax* diesel truck engines
- Saves time by not removing the starter motor
- Holds the engine in place for high torque requirements
- Handle is visible to remind the technician that the engine is locked



YA6925

Turbo Vane Socket

TVS1240 Turbo Vane Socket
- Split socket made from alloy steel and designed with additional strength
- Correct geometry to reduce the possibility of damaging the sensor
- Fits the confined location between the cold and hot sides of the turbo



TVS1240

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

DIESEL FUEL SERVICE

EEDF400 Diesel EGR and Induction Cleaning System
- The performance of clean diesel engines using cooled EGR and common rail injection can be adversely affected by soot and fuel deposits
- The EEDF400 System safely cleans the Diesel EGR circuit, coolers, intake, injectors, turbo charger and fuel system
- Converts cleaner into foam to better penetrate hard carbon
- Increases Cetane and enhances fuel atomization for more complete combustion
- Lowers emissions, smooths rough idle, improves fuel economy and performance
- Technical Support: 1-877-776-8486



EEDF400

Stock No.	Fluid Capacity	Input Pressure Min.	Hose Length	Operating Temperature Range	Dimensions	Shipping Weight, lb
EEDF400	64 oz	60 PSI	7.5 feet	40 °–120 °F	16.5"L x 10.5"W x 11.75"H	10.8


EEDF400-1


EEDF400-2


EEDF400-3


EEDF400-4


EEDF400-5


EEDF400-6


EEDF400-7


EEDF400-8


EEDF400-9


EEDF400-10


EEDF400-11


EEDF400-12

Optional Accessories

EEDF400-1 EGR Cleaning Adaptor
- EGR adaptor for Ford® 6.0 L engines

EEDF400-2 EGR Cleaning Adaptor
- EGR Adaptor for *Ford* 6.4 L Engines

EEDF400-3 EGR Cleaning Adaptor
- EGR Adaptor for Duramax® Engines

EEDF400-4 EGR Cleaning Adaptor
- EGR Adaptor for Mercedes®/Universal Engines

EEDF400-5 EGR Cleaning Adaptor
- EGR Adaptor for *Duramax* Turbo Boost Engines

EEDF400-6 EGR Cleaning Adaptor
- EGR Adaptor for Cummins® Manual Opener Engines

EEDF400-7 EGR Cleaning Adaptor
- EGR Adaptor for *Cummins* Engines (2007–2010)

EEDF400-8 EGR Cleaning Adaptor
- EGR Adaptor for Izusu®/BMW®/*Mercedes* Engines

EEDF400-9 EGR Cleaning Adaptor
- EGR Adaptor for *Mercedes* Sprinter® Engines

EEFD400-10 EGR S-Tool
- EGR S-Tool

EEFD400-11 EGR Cleaning Adaptor
- EGR Adaptor for *Ford* 6.7 L Engines

EEFD400-12 EGR Cleaning Adaptor
- EGR Adaptor for Audi®/VW® Engines (M14 x 1.5)

EEDF400-EGR Diesel EGR and Induction Cleaner
- Diesel EGR and Induction Cleaner for the EEDF400. Case of (12) 32 oz bottles

EEDF400-INJ Diesel Fuel Injector Cleaner
- Diesel Fuel Injector Cleaner for the EEDF400. Case of (12) 12 oz bottles



EEDF400-EGR


EEDF400-INJ

⚠WARNING

- Injector cleaner is flammable, avoid flames and sparks
- Read and follow all instructions
- Wear appropriate gloves and clothing
- Read safety precautions on pages W1 to W4


S6160


S6194


S6190A


S6260


SHR20

Hand Sockets

S6160 Extra Long Head Bolt Socket
- Use on 1986 and later Nissan® engines with 12 mm head bolts
- 8" length reaches past cam and rocker assembly to service head bolts
- Thin profile socket and shank will reach through access hole and past overhead camshaft
- Additional high torque applications include removal and installation of universal joint flange bolts on Ford®/Mercury® cars such as Mustang, Crown Victoria® and Lincoln®, plus *Ford* Explorer, Ranger and F150/F250 trucks
- 12-point, industrial finish, 1/2" sq drive

S6194 Head Bolt Socket
- Use on Toyota® and *Nissan* cars and trucks and Honda® cars with 12 mm head bolts
- 4 1/8" length reaches past cam and rocker assembly to service head bolts
- Thin-profile socket and shank reach through the access hole and past overhead camshaft
- Additional high torque applications include removal and installation of universal joint flange bolts on *Ford* Explorer, Ranger and F150/F250 trucks
- 12-point, industrial finish, 1/2" sq drive

S6190A IPR Sensor Socket for *Ford* vehicles
- *Ford* 6.0 L diesel injection pressure regulator (IPR) socket
- Use on 1994 and later *Ford* 6.0 L diesel trucks plus International® CT365, 530E and 466F
- Similar to Rotunda® part number 303-1112

S6260 Heavy Duty Spicer Drive Socket
- For removal of heavy duty spicer drive shaft bolts that have 1/2" fasteners found on Kenworth®, Peterbilt® trucks and many other heavy duty applications
- 8" long, 12-point, industrial finish, 1/2" sq drive

SHR20 Oil Galley Drain Plug Socket
- For removing and installing oil galley drain plug on Caterpillar® 6 cylinder engines
- Galley plugs may leak and need to be removed so a new O-ring can be installed
- Low-profile design to get into tight applications
- Special alloy steel provides corrosion resistance
- 5/8" Hex Socket, six-point, 1 1/4" long


S6197


S6199


S6217


SIMDM212


DW402C


S6216


SIML302


S6230

Impact Sockets

S6197 Heavy Duty Driveline Socket
- Use on *Kenworth/Peterbuilt* heavy duty drivelines that use 1/2" fasteners
- Many other heavy duty 1/2" applications as well
- Example: Socket will clear the weld yoke, when removing the cap screws holding the wing bushings to the end yoke. 1/2" wrench size, 12-point, 1/2" drive, 4 1/8" long

S6199 U-bolt Impact Socket
- Most semi trucks use many 5/8" diameter U-bolts for springs and other suspension components
- Saves you time as you do not need to cut off the excess thread compared to using a standard 1 1/8" deep socket that is 3/4" drive
- Up to 2" longer than a standard deep socket to easily accommodate the excess thread length
- 1 1/8" wrench size, six-point, 3/4" drive, 5" long

S6217 Head Bolt Impact Socket
- For head bolts on heavy duty trucks and buses with Mercedes® engine MBE900
- Clearance on certain Detroit Diesel® head bolts with the *Mercedes* engine MBE900 require a thin walled socket
- Height of socket helps the technician when using a torque wrench due to the length of torque wrench handle for clearance
- 17 mm, 3/4" drive, 12-point, 4 3/4" long

SIMDM212 12-Point Metric Deep Impact Socket

Application: Flywheel bolts on Cummins® ISX engines.

DW402C Dayton Lug Nut Impact Socket
- 3/4" square drive with a 1 1/4", six-point wrench opening
- Use with socket retainers

S6216 *Detroit Diesel* Engines Head Bolt Impact Socket
- For head bolts on *Detroit Diesel* 50 and 60 Series engines
- Tight clearances between some head bolts and the cylinder head casting require a thin walled socket; these engines are found in truck, bus, motor home, marine and heavy equipment
- The increased height of the socket allows for clearance between the drive tool (ratchet, breaker bar or torque wrench) and installed valve train components, allowing technicians access to head bolts from either side of the engine
- 16 mm, 3/4" drive, 12-point, 4" long

SIML302 6-Point Impact Socket–5 5/8" long
- Head bolts are sunk in pretty deep and the current method is a large impact socket with an extension to reach the application
- In this scenario, you lose too much power with an extension and 3/4" impact gun for the torque required on this application

S6230 Impact Socket, 15/16"–6" long
- Designed for Autocar® and CCC® style dump trucks and garbage trucks that use the 30/36 spring brake chamber made by MGM® brakes
- When doing an emergency repair on the road or changing the diaphragm
- Length of the S6230 is designed to accommodate the very long threaded spring brake release stud assembly (release tool) in the brake chamber

⚠WARNING
- Injector cleaner is flammable, avoid flames and sparks
- Read and follow all instructions
- Wear appropriate gloves and clothing
- Read safety precautions on pages W1 to W4

HEAVY DUTY TRUCK SERVICE TOOLS


IPRD20


S6220


IMFDL242


S6213


S6224


SIMML180


S6314


SIM462TW


IMSLE242A


S6624


SIMM182


S6221

Impact Sockets

IPRD20 Low-Profile Swivel Impact Socket, 5/8"
- Use on starter bolts on Cummins®, Caterpillar® , Detroit Diesel® and International® engines where housing is in the way when backing out the fastener using a standard length impact socket
- 30° uninterrupted swivel action, means greater accessibility in tight quarters, which allows easier and faster removal of stubborn fasteners thus saving time

S6220 C15 Impact Socket for *Caterpillar* Engines
- Use on *Caterpillar* C15 engine rocker stud bolts where the length of socket and broach depth of the socket are critical for the application
- 11/16", six-point, 1/2" drive configuration, 3 1/4" long

IMFDL242 Deep Thin Wall Impact Socket
- Designed to remove the head bolts on *Caterpillar* C12, C15, C16 and 3406Es where the front two and back two head bolts are positioned under the valve covers
- Clearance on certain *Caterpillar* head bolts requires a thin walled socket that needs to be a certain length
- Additional applications include *Detroit Diesel* main bearing cap bolts and 19 mm head bolts on Mercedes-Benz® MBE904/MBE906 EGR engines (2007 and later)
- 3/4" wrench size, 3/4" drive, 5 3/4" long

S6213 U-Joint Strap Bolt Socket
- Use for removal of 13 mm U-Joint strap bolts found on Volvo®, Mack® and other heavy duty applications. 13 mm, 12-point, 1/2" drive, 8" long

S6224 30/30 Air Brake Chamber Socket
- Extra-long design allows quick and safe removal of long threaded brake release stud assemblies
- Flank Drive® wrenching system where the socket grips the fastener on the flanks/flats increasing torque by 15%–20%
- Impact sockets are heat treated to a lower hardness to add impact resistance and ductility

SIMML180 6-Point Metric Extra Deep Impact Socket
- Remove and install the fuel tank hold down strap on *International* 4400 chassis. The fuel tank must be removed to replace the fuel sending unit
- 5" long to reach through the frame to access the fastener without the need of an extension

S6314 Extra-Long Impact Socket
- Manufactured from special alloy steel, precision forged and heat treated for optimum strength and durability
- *Flank Drive* grips fastener on the flanks/flats, increasing torque by 15%–20% prevents fastener from rounding and increases the life of the socket
- Socket overall length is 3 1/4"

SIM462TW Deep Impact Socket
- Designed to remove the lug nuts from *Caterpillar* Model 793 mining trucks
- The 72 lug nuts on each wheel are spaced only 6 mm away from each other and the thin wall design of this socket accommodates easy removal
- *Flank Drive* wrenching system grips the fastener on the flanks/flats, which delivers 15%–20% more turning power

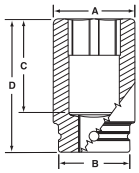
IMSLE242A Inverted TORX® Impact Socket
- For removing and installing head bolts on MaxxForce® 11 and 13 engines found on D15 *International* Trucks from 2010–current
- Used for installation of shear type E24 bolts during alignment of suspensions on Hendrickson® and Dayton® trailers
- Manufactured from special alloy steel, precision forged and heat treated for optimum strength and durability

S6624 Main Cap Bolt Socket
- For removing and installing the main cap bolts on 2007 and later DD13 and 15 *Detroit Diesel* engines
- Overall length (5 3/4") and square drive (3/4") of this socket is critical due to the torque rating for this application
- Manufactured from special alloy steel, precision forged and heat treated for optimum strength and durability
- *Flank Drive* wrenching system grips fastener on the flanks/flats, increasing torque by 15%–20%, prevents fastener from rounding and increases the life of the socket

SIMM182 6-Point Metric Deep Impact Socket
- For removing and installing the head bolts on VT365 *International* engines found in many delivery vehicles

S6221 Fuel Injector Adaptor Impact Socket
- For removing and installing the fuel injector adaptor from the high pressure rail and service the O-rings on Navistar® DT466/570, HT570 (DT9 and 10) engines
- Similar to the *Navistar* OEM tool part number ZTSE4725
- 1 1/16" Hex, 1/2" drive

IM382CD 6-Point Metric Shallow Impact Socket
- Assault Breacher Vehicle
- Utility Truck (Tamen: D00347K)
- Abrams M-1 Tank
- Bridge Launcher Carrier
- M1A2 Heavy Assault Bridge (hab)/Wolverine, 5420-01-430-4227
- Armored Vehicle Launch Bridge (M60A1 & M48A5)
- Combat Tank, Ft, 120 mm gun (M1A1)
- 30 mm, 3/4" drive



Hose Clamp Sockets

Drive Size, inches	Stock No.	in / mm	A	B	C	D	Set Contains: 204FIHC
7/16	FIHC140	7/16"	21/32"	11/16"	2 1/4"	2 3/4"	•
3/8	FIHC160	1/2"	3/4"	3/4"	—	2 3/4"	•
3/8	FIHCM8	8 mm	12.9 mm	17.2 mm	57.1 mm	69.8 mm	•
3/8	FIHCM10	10 mm	15.9 mm	17.2 mm	57.1 mm	69.8 mm	•

Set shown includes storage tray



204FIHC

Torque Adaptors

SRDM624 Torque Adaptor
- Services the rear brake caliper mounting bracket assembly on 2007 Ford® F450/550 trucks
- Tool fits between the bracket bolt and frame to allow the use of a torque wrench to properly torque the bracket bolts
- 24 mm, 6" long, 12-point wrench design, 1/2" square drive



SRDM624

SRD35 Diesel Head Bolt Torque Adaptor
- Special tool for use on *Ford* F250/F350 Trucks and Excursion® vehicles (2003–2007) plus *Ford* E-Series Vans (2004–2009) including ambulance, law enforcement and shuttle bus conversions using the 6.0 L Power Stroke® diesel engine
- When coupled with an SM18, 18 mm socket, the SRD35 can access all of the head bolts eliminating the need to change tools or remove the adaptor during the job
- Use of 3/4" drive ratchet/torque wrench transmits the high torque necessary to loosen and tighten head bolts, with less strain on the technician
- Eliminates the need to remove the truck/van cab from the chassis to access the rear head bolts, saving time and preventing damage to the rear heat shield
- Eliminates the need to remove the evaporator housing, saving two hours of time and the additional cost of refrigerant added during air conditioning recharging
- Center to center length: 3 1/2"
- Overall length of 4 7/8"



SRD35

Slack and Valve Adjusters

BSA916 Slack Adjuster Wrench
- For brake service and slack adjuster installation on heavy duty trucks equipped with Bendix® automatic slack adjusters
- Use to turn the manual adjuster hex
- Extra deep 9/16" hex allows reach to recessed adjusters
- 14 1/2" overall length helps to overcome the anti reverse mechanism
- Turn over to reverse
- Includes protective vinyl boot



BSA916

HSA716 Slack Adjuster Wrench
- For brake service and slack adjuster installation on heavy duty trucks equipped with Haldex® automatic slack adjusters
- Use to turn the manual adjuster hex
- Extra deep 7/16" hex allows reach to recessed adjusters
- 14 5/8" overall length helps to overcome the anti reverse mechanism
- Turn over to reverse
- Includes protective vinyl boot



HSA716

S6205 Valve Adjuster Socket
- See through window in its 14 mm socket to see the position of the 5 mm hex blade
- Faster valve adjustment time
- Sized for low clearance
- Soft grip handle

Applications: 2002 and later Mercedes® "900" series diesel engines. 2002 and later trucks and buses.



S6205

S6206 Valve Adjuster Socket
- See-through window in its 17 mm socket to see the position of the 6 mm hex blade
- Faster valve adjustment time
- Sized for low clearance
- Soft grip handle

Applications: 2002 and later *Mercedes* "4000" series diesel engines. 2002 and later trucks and buses.



S6206

⚠WARNING
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

MOTORCYCLE SERVICE TOOLS

Hand Sockets

Stock No.	Drive Size, inches	External Hex, (mm)	Outer Dia., inches (mm)	Hex Depth, inches (mm)	Length, inches (mm)
HXD22	1/2	22	0.94 (23.8)	0.70 (17.8)	1.50 (38.1)
HXD24	1/2	24	1.03 (26.2)	0.70 (17.8)	1.50 (38.1)



HXD22

HXD22 Motorcycle Wheel Socket
- Essential for removing motorcycle front wheels
- Use torque wrench for axle torque specs
- Use breaker bar to remove difficult fasteners

Applications: 2002 and later Kawasaki® motorcycles (ZX7R, ZRX1200, ZX12R and ZS6); 2002 and later Honda® motorcycle (CBR954RR); 2002 and later Triumph® motorcycle (955i)



HXD24

HXD24 Motorcycle Wheel Socket
- Essential for removing motorcycle front wheels
- Use torque wrench for axle torque specs
- Use breaker bar to remove difficult fasteners

Applications: Suzuki® motorcycles (1300GSXR and 1000GSXR); Hayabusa® motorcycles (various models)



S9724RHS

S9724RHS Low-Profile Spark Plug Socket
- Low-profile socket easily reaches 5/8" (16 mm) spark plugs on muscle cars, ATVs, motorcycles and boats without interference from custom exhausts or chassis
- Spark plug extends through the socket for access in tight quarters
- Patented tapered hex design retains spark plug securely without rubber insert or magnet
- Spark plug is easily disengaged from socket by applying side pressure
- Use ratcheting box wrench on 5/8" external hex drive
- 1 1/16" length

Applications:
Harley-Davidson® motorcycles with large gas tanks (1986 and later Sportster® and 1999 and later twin cam models) plus small block Chevy®, Ford® and Mopar® vehicles and other engines with 5/8" (16 mm) spark plugs and racing exhaust headers



S9704RHS

S9704RHS Low-Profile Spark Plug Socket
- Low-profile socket easily reaches 13/16" spark plugs on muscle cars, ATVs, motorcycles, RVs and boats without interference from custom exhausts or chassis
- Spark plug extends through the socket for access in tight quarters
- Tapered hex design retains spark plug securely without rubber insert or magnet
- Spark plug is easily disengaged from socket by applying side pressure
- Use with open end or ratcheting box wrench on 13/16" external hex drive
- 1 1/4" length

Applications:
Small or big block *Chevy, Ford* and *Mopar* vehicles and other engines with 13/16" spark plugs and racing exhaust headers



SAM12LE

SAM12LE Long Hex Socket Driver

Applications: Essential for removal or installation of bolt found on the lower forks of 2006 and newer *Harley-Davidson* Dyna series. Used when servicing the internal parts of the fork.

Adjusting Tools



HD6529

HD6529 Ratcheting Hex Wrench
- Reversible ratchet lever conveniently located for one-hand operation
- 3/16" hex bit is easily replaced if damaged
- Low-profile design for extra clearance between frame and engine
- Comfortable rubber grip will not scratch chrome
- 9 3/4" overall length for additional reach
- 1/4" hex drive, 3/16" hex bit for *Harley-Davidson* Evolution® motor rocker box cover bolts



NBAT1

NBAT1 Neck Bearing Adjustment Tool
- For neck bearing adjustment on *Harley-Davidson* motorcycles
- Easily maneuvers between the triple clamp and frame
- Fits into the star adjustment nut, allowing technician to adjust the neck bearing play
- Tapered end allows easy access to the neck bearing adjusting star
- Screwdriver-style handle offers a comfortable grip
- 18 1/2" overall length
- Neck bearing adjustment is usually checked at the following service intervals: 1,000, 5,000, 15,000 and 25,000 miles or annually



HFTLRT

HFTLRT Fuel Tank Lock Ring Tool *Harley-Davidson*
- Remove/install the lock ring on 2008 and later FL touring series
- Allows access to the fuel filter and pump as the lock ring is connected to the pump

Motorcycle Oil Fillers

OFHARLEY Motorcycle Oil Filler for Harley-Davidson®
- Prevents any unwanted mess; fastens and seals onto filler neck
- No need to hold funnel while pouring in oil
- Can fill funnel with almost one quart of oil and work on something else
- ABS plastic
- Smooth surface so not to scratch painted surface
- For *Harley Davidson* Touring bikes and Dyna series motorcycles 2007–present

Additional KIA® Applications: Forte® (2013–current), Rio® (2013–current), Soul® (2013–current), Sorento® (2011–current), *Sorento* (2011–current), Sportage® (2014)



OFHARLEY

OFHD Motorcycle Oil Filler for *Harley-Davidson*
- Allows access to the fuel filter and pump as the lock ring is connected to the pump
- Competitive products are metal and can scratch the painted surface of the motorcycle
- Oil filler for 1999–2006 *Harley-Davidson* Touring Motorcycles with the "Push-in Style" oil caps
- Prevents any unwanted mess; fastens and seals onto filler neck
- No need to hold funnel while pouring in oil
- Can fill funnel with almost one quart of oil and work on something else
- ABS plastic
- Smooth surface will not scratch painted surface



OFHD

Tire Spreader

TSP813 Motorcycle Tire Spreader
- Permits one-person installation of tubed tires on motorcycles, ATVs, small farm equipment and industrial equipment
- Easily access valve stem hole when installing difficult 90° valve stems on tubed tires
- Overall length is 23"



TSP813

Fuel Tank Cover

KAC1224TCA Motorcycle Gas Tank Cover
- Fits *Harley-Davidson* Dyna, Softail and Touring models
- Fits various models of Yamaha®, Victory®, Triumph® and Kawasaki® motorcycles plus many more
- Non-marring cover uses a non-abrasive inner liner that will not slide off



KAC1224TCA

Service Set

CYCLESET Motorcycle Tool Set
- 33pc kit services most US manufactured motorcycles
- From battery service, cable and clutch adjustments, to gas tank and seat removal, this set covers roadside maintenance and emergency repairs
- Conveniently organized and stored in a gas tank shape bag measuring 10"L, 5 1/2"W, and 2 1/4"H and is small enough to fit almost anywhere
- Visit www.snapon.com for the full list of set components and applications



CYCLESET

⚠WARNING

- Do not use "cheater bars" on handles
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

MOTORCYCLE SERVICE TOOLS


CPT110A


GF22


YA173B


VT1A


GA599A


SGSR104AR


MT125A


AWHD8K


TA358

General Service Tools

CPT110A Drain Plug Socket
- 17 mm, six-point socket is for VW® transmission drain plugs
- Use on *VW* transmission drain plugs
- Additional applications include removing front wheels on Triumph® Daytona® and America® motorcycles
- 3/8" drive, 1" long

A15A Drag **Link Socket**
- Applications include usage on the engine oil drain plug and rear differential drain plug on Kawasaki® UN1500, UN1600 and UN2000 motorcycles

GF22 Drag Link Socket
- Applications include use on the engine oil fill cap on *Kawasaki* UN1500, UN1600 and UN2000 motorcycles

YA173B Clip on Style Angled Air Chuck (Blue-Point®)
- 1/4"-18 female NPT
- Spring loaded, trigger operated valve stem clip
- Maximum operating pressure is 200 PSI

VT1A Valve Stem Inserter
- Simplify installation of valve stem in tubeless tire rim
- Notched shank to accommodate various rim styles
- Comfortable screwdriver type handle

GA599A Tread Depth Gauge
- Measures to a depth of 1" in 1/32" increments
- Plastic body with aluminum probe and sliding gauge
- Includes pocket clip

SGSR104AR Seal Remover Set
- For use on transmissions, heater and vacuum hoses, oil pump drive shaft seals, injectors and fuel rail O-rings, inner tie rod rack boot and CV boot removal, fork seals and caliper dust boot assemblies on Harley-Davidson® and other motorcycles and steering racks and pumps

MT125A Self Powered Timing Light
- Self powered timing light features a single 6' inductive pick up
- Quick attachment to spark plug wires on motorcycles, marine motors, snowmobiles, jet skis, small engines and other equipment that do not have easy access to a battery power source
- Can be used for automotive applications as well
- On/Off switch is located within thumb reach

AWHD8K Hex/TORX® Set
Includes two *TORX* sizes (T27, T40) and six hex sizes (5/32", 3/16", 7/32", 1/4", 5/16" and 3/8"). Fits a wide range of *Harley-Davidson* motorcycles.

TA358 Torque Angle Gauge
- Determines angle controlled torque tightening
- Allows user to follow manufacturer's specifications
- Use on automotive, diesel and industrial equipment plus head bolts and rod bolts on motorcycles
- 3/8" square drive


EEPV503


EEWB333A


EEWH310B


YA1715

Motorcycle Service Equipment

EEPV503 Motorcycle Compression Gauge Set
- Test motorcycles and recreational vehicles with hard-to-access spark plug ports
- Gauge assembly includes 2 3/4" diameter gauge and 18" flexible hose with quick coupler
- Includes EEPV5G10L, EEPV5G12L and EEPV5G14L

EEPV5G10L Compression Gauge Adaptor
- Long reach (M10 x 1.0 pitch)
- Thread length .70"

EEWB333A Motorcycle Wheel Balancer
- Quickly, easily and accurately balance motorcycle tire and wheel assemblies

EEWH310B Motorcycle Tire Changer
- Configured to change tires on most motorcycle wheels
- Raised clamping jaws to allow for hub clearance
- Optional safety restraint arm provides additional tire/wheel retention when seating beads

YA1715 Motorcycle Jack *(Blue-Point)*
- 1,500 lb capacity
- Low height of 4 1/2", maximum height of 14 3/4"
- Double rubber lined pad provides extra protection to motorcycle
- Pull handle assists user to maneuver jack into position
- 1' operation for ease of use
- Safety straps to secure motorcycle

Motorcycle Special Application

MTPV1000 Peak Voltage Tester (Blue-Point®)

Features

- Tester automatically selects the best range for taking a measurement on V DC, V AC and ohms
- Use AC/DC voltage ranges to check ignition coil primary, ignition pulse generator, exciter coil and battery
- Add adaptors to measure temperature, RPM, pressure and amps
- Measure ohms to determine resistance of a coil or spark plug
- Use the continuity buzzer for finding breaks or shorts in wires
- Large, easy-to-read 4,000-count LCD and bar graph to easily view rapidly changing input signals
- Lock readings on display with data hold
- View + or - spark readings with the push of a button
- Measure peak voltage of ignition coil and secondary spark
- Input connector for kV probe
- Auto power off to conserve battery power when not in use
- Includes test instrument, test lead set with alligator clips, protective rubber boot, kV probe, soft carrying case, 9V battery and instruction manual



MTPV1000

Applications

- Peak voltage measurement of secondary ignition systems on all types of vehicles and pleasure craft
- CDI ignition diagnosis on motorcycles, ATVs and snowmobiles
- Digital multimeter functions to measure battery, sensor and circuit voltage
- Check continuity of wiring and resistance of ignition wires

Optional Accessories

- 0–400 AC/DC A clamp-on probe (EETA501C)
- 0–1,000 AC/DC A clamp-on probe (EETA502C)
- Boot Hook Hanger (EEDM503B1)
- K-type temperature adaptor (EEDM506B)
- Heavy duty surface probe for EEDM506B (EETH502B)
- Heavy duty gas probe for EEDM506B (EETH503B)

AVIATION: SAFETY WIRING



Wire Twisters
Cushion throat wire twisters feature a polyurethane filler that is bonded into the tool's cutter head to help prevent flying wire bits. A special undercut design helps maintain cutting edges and increases tool durability. Ideal for assembly line applications.



RWTP6



RWTP9



GA311C



PR311



WT11B



WTR1A



WTS6

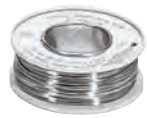
Wire Twister/Cutters

Stock No.	Description/Features	Wire Capacity, inches	Overall Length, inches	Wire Retainer
RWTP6	Reversible Wire Twister/Cutters	.020–.041	8 1/2	No
RWTP9	Reversible Wire Twister/Cutters	.020–.051	10 1/2	No
GA311C	Wide range of applications	.060	10 1/2	No
PR311	Similar to GA311C, but not spring loaded. Right hand only with manual return.	.060	10 1/2	No
WT11B	Small size for use in tight quarters	.041	8 1/2	No
WTR1A	Reversible wire twisters let you perform right and left hand twist with the same tool. Spring return and control knob.	.041	8 3/4	No
WTRW6A	Reversible wire twisters let you perform right and left hand twist with the same tool. Spring return and control knob. Oval cushioned throat captures and holds wire firmly.	.041	8 3/4	Yes
WTS6	Reversible wire twisters with spring return and control knob. Viton® cushioned throat captures and holds wire firmly. Slim design provides accessibility and utilizes twist rod of 11" tool in 8 3/4" body to provide more twists per pull.	.041	8 3/4	Yes

⚠WARNING

- Read and follow all safety messages and instructions
- Read safety precautions on pages W1 to W4

AVIATION: SAFETY WIRING



WT105-2004



WT105-2516

Safety Wire

Stock No.	Wire Size, inches	Approximate Wire Length, ft	Container
WT105-2004	.020	230	1/4 lb Spool
WT105-3204	.032	90	1/4 lb Spool
WT105-4204	.041	55	1/4 lb Spool
WT105-2016	.020	937	1 lb Canister
WT105-2516	.025	599	1 lb Canister
WT105-3216	.032	366	1 lb Canister
WT105-4116	.041	223	1 lb Canister
WT105-5116	.051	—	1 lb Canister

Meets NASM20995 and MS20995C specifications plus conforms to ASTM580 Materials S30400

AVIATION: MASTIC REMOVAL TOOLS



NYZ701810



NYZ701410



NYZ700510



NYZ700110



NYZ701110



NYZ701210



NYZ7010FSB

NYROC® Blades

Blade Size, inches	Description	Pack of 10	Pack of 200
1/8 wide	General Use	NYZ701810	NYZ701810
1/8 wide	General Use	NYZ7018200	NYZ7018200
1/4 wide	General Use	NYZ701410	NYZ701410
1/4 wide	General Use	NYZ7014200	NYZ7014200
1/2 wide	General Use	NYZ700510	NYZ700510
1/2 wide	General Use	NYZ7005200	NYZ7005200
3/4 wide	General Use	NYZ703410	NYZ703410
3/4 wide	General Use	NYZ7034200	NYZ7034200
1 wide	General Use	NYZ700110	NYZ700110
1 wide	General Use	NYZ7001200	NYZ7001200
1 wide	Button Head Rivet	NYZ701110	NYZ701110
1 wide	Button Head Rivet	NYZ7011200	NYZ7011200
1 1/2 wide	Highlock for 3/8 high locks	NYZ701210	NYZ701210
1 1/2 wide	Highlock for 3/8 high locks	NYZ7012200	NYZ7012200

Blades available in ten-pack and 200-pack quantities only.

NYZ7010FSB Flexible Steel Blade
Use with NYZ7026EH Rubber Handle.



NYZ7000MDKIT



NYZ7007HD

Complete Kits

NYZ7000MDKIT Master Mastic Removal Kit

- Saves most of the time and labor involved to remove PRC and other mastics from every area of an aircraft without damage to the substrate
- Speed controllable vibration gun permits infinitely variable job performance
- Included pneumatic blade sharpener rapidly puts an edge on all *NYROC* blades up to 1" width right at the job site
- Completely portable system is fully grounded and anti-static
- Kit includes medium duty Vibro gun, pneumatic blade sharpener, (one) anti-static vacuum bag, (one) sharpening disc, (one) manual handle, (two) 1" *NYROC* blades, (two) 1/2" *NYROC* blades, (two) 1/4" *NYROC* blades, blade locks and connecting hoses in padded storage case

NYZ7007HD Manual Mastic Removal Kit

- Hand kit is ideal for aviation, automotive and industrial use, especially for delicate jobs and limited access scraping applications
- *NYROC* blades are sharpened with sandpaper, small stone or optional pneumatic sharpener
- Kit includes (six) 1" *NYROC* blades, (six) 1/2" *NYROC* blades, (three) 1/4" *NYROC* blades and ergonomic rubber handle

Blade Sharpener

NYZ7000S Pneumatic Blade Sharpener
- Pneumatic powered sharpener quickly sharpens all NYROC® blades up to 1" W
- Consistently sharpens blades to the optimal 51° angle
- Operates with single push button
- Connects directly to shop air
- Removed material is collected in disposable anti-static vacuum bag attached directly to the discharge chute



NYZ7000S



NYZ7026EH

Accessories

NYZ7026EH *NYROC* Blade Holder
- Vulcanized rubber padded blade holder, works exclusively with *NYROC* blades
- Fits comfortably in the users hand, reduces operator fatigue and helps to prevent injury

NYZ7004VB Anti-Static Vacuum Bags
- Anti-static vacuum bags for NYZ7000S blade sharpener
- Pack of 10

NYZ700AD Abrasive Sharpening Discs
- Abrasive sharpening discs for NYZ7000S blade sharpener
- Pack of ten



NYZ7025H50



NYZ7006MG

Guns and Hoses

NYZ7025H50 Air Hose (Anti-Static)
- NONSTAT® anti-static 1/4" hose is fully grounded to prevent static discharge
- Hose is ideal for environments and projects where static control is essential
- 50' long

NYZ7024H100 Air Hose (Anti-Static)
- Same as NYZ7025H50 except 100' long

NYZ7006MG Vibro Gun Kit
- Kit includes medium duty Vibro gun, 1", 1/2" and 1/4" *NYROC* blades (one ea.) plus blade locks in black kit bag
- Medium duty Vibro gun adds pneumatic power to all scraping jobs using standard *NYROC* blades



AVPW716



AFPW38

Aircraft Vacuum/Fuel Pump Wrenches

AVPW716 Aircraft Vacuum Pump Wrench
- Removes and replaces vacuum pump flange nuts on aviation and experimental aircraft
- Use with any 1/4" drive extension
- Easily fits into tight areas between the pump and nearby accessories
- Cut down head design adds greater flexibility than a wrench with a bent shank

Applications Include: Cessna®: Skyhawk®, Skylane®, Stationair Piper®: Cub®, Warrior®, Archer®, Seminole, Aztec, Navaho, Chieftain Mooney®: M20 series, M200 series, Ovation, Acclaim Beechcraft®: Bonanza®, Duchess, Baron Cirrus®: SR20 and SR22 aircraft

AFPW38 Aircraft Fuel Pump Wrench
- Small crowfoot which will remove and install the fuel primer/injector line on Continental® and Lycoming® engines
- Can be used with a 1/4" drive extension and will easily fit into tight areas



AOFW2



AOCO1

Aircraft Oil Filter Wrench

AOFW2 Aviation Oil Filter Wrench
- Oil filter wrench can be used for installing and removing oil filters on all standard general aviation aircraft with 1" hex oil filters
- Compact size allows for reach in restricted areas
- 3/8" drive torque wrench
- Please refer to Snap-on® SS306G Torque Chart for formula to obtain the correct applied torque

AOCO1 FOD Oil Can Opener
- Testing by Saybolt® laboratory proves this can opener eliminates a cause of FOD, eliminating costly downtime and repairs
- Using a screwdriver to open an oil can may leave metal debris in the oil, causing FOD to turbines
- Can opener is made of reinforced high-quality plastic designed to open a quart can of oil
- Durable, ergonomic, nonslip design is pocket size and can be attached to a key ring

⚠WARNING
- Read and follow all safety messages and instructions
- Read safety precautions on pages W1 to W4

AVIATION: SPECIALTY SERVICE TOOLS


LGSW125

Aircraft Landing Gear Wrench

LGSW125 Landing Gear Socket Wrench
- Used to remove and replace the landing gear harness thru bolt on Embraer® 190 aircraft
- 1 1/4" deep well socket with 1/4" slit cut into it allows the speed cable to pass through
- 3/8" square drive allows torque wrench to torque the nut to 80 in-lb
- Flex head and overall length is 11.5"


IMTSX29

Fan Bolt Impact Socket

IMTSX29 External MORTORQ® Impact Socket
- Use on fan bolts found on Rolls Royce® engines used on Airbus® A380 jets


AHCS1

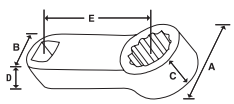
Hose Clamp Socket

AHCS1 Aircraft Hose Clamp Socket
- Use on hose clamps found on Lycoming®, TCM (Continental®) and other engines found on Cessna®, Piper® and Beechcraft® aircraft
- Slotted socket is for removing and installing the three different size thumb knobs found on aircraft hose clamp
- Competitive sockets only work on one size and have a rubber O-ring that can cause an FOD issue
- Manufactured from special alloy steel, precision forged and heat treated for optimum strength and durability
- 1/4" square drive


FRESL24

Low Profile, inches (3/8" drive)

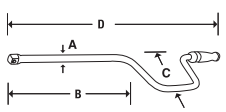
- Saves time by avoiding clearance issues when working on propeller assemblies
- Works on *Lycoming* and *Continental* engines used in *Piper*, *Cessna* and Mooney® aircraft



	Stock No.	Working Torque, in-lb	A	B	C	D	E
3/4	FRESL24	465	1 5/64	3/4	7/16	3/16	2
7/8	FRESL28	605	1 1/4	3/4	7/16	3/16	2


N8323

Deep Throw Speeder



Stock No.	A	B	C	D
N8323	1/2	18 1/16	8 1/2	32 7/8

ASME®/ANSI® B107.10

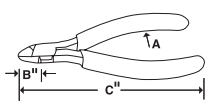
N8323 Deep Throw Speeder
- Deep throw speeder wrench
- This "loading tool" is used on F-14A aircraft


87CFCT


388CFCT

Cushion Throat Cutters

- Quality forged steel ensures tools that will provide years of service
- Differential heat treatment produces the strength and toughness in desired areas to withstand repeated tough cutting jobs
- Handles are designed for comfort and to deliver leverage needed to tackle demanding jobs
- Cushion throat secures wire clippings to avoid contamination of work environment



Stock No.	Handle Style (A)	Jaw Length, inches (B)	Length, inches (C)
86CFCT	Bowed	3/4	6 5/16
87CFCT	Bowed	13/16	7 3/8
388CFCT	Bowed	1 1/16	8 5/16

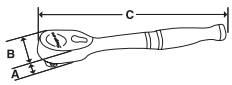

ACP8

Electrical Connector Pliers

ACP8 Robo Connector Plier
- Self-adjusting electrical connector pliers with non-marring jaws make accessibility to confined areas much easier
- Range of 1/4"–1 5/8"
- 8" long

Hi-Lok® Fastener Ratchets

- Features a hole through the head and square drive so the fastener may be held steady with a hex wrench as the fastener's collar is tightened
- Sealed head keeps dirt and other contaminants out of the head mechanism
- For use with standard or *Hi-Lok* sockets




TFY72


TY72


FCY72

Stock No.	Square Drive, inches	Gear Teeth	Swing Arc	A	B	C	Repair Kit
TFY72	1/4	72	5°	7/16	15/16	6 1/4	RKRTY72
TY72	1/4	72	5°	7/16	15/16	4 5/8	RKRTY72
FCY72	3/8	72	5°	7/16	15/16	4 5/8	RKRFCY72

Generator Engine Sockets

- Socket is used in the oil and gas industries to adjust valves on large generator engines
- Removes cover bolts and adjusts valves on Waukesha® VHP® series engines
- Sockets are used with a XO2830 7/8"–15/16" standard length deep 60° offset wrench
- The offset on the wrench protects the user's hand during valve adjustment
- A retaining ring holds the socket onto the XO2830 wrench
- It holds it on the 7/8" part of the wrench as the sockets have a 7/8" male hex
- Retaining ring part number is ME7A87
- Manufactured from special alloy steel, precision forged and heat treated for optimum strength and durability
- Flank Drive® wrenching system grips fastener on the flanks/flat to prevent fasteners from rounding


OG2824 OG2828

	12	External Hex, inches
3/4	OG2824	7/8
7/8	OG2828	7/8

Shallow Single Square Impact Sockets

- These "end effector" sockets are used in the manufacturing of subsea and surface wellhead equipment for the oil and gas industry




IM748BC1.5

	Stock No.	Square Drive, inches	A	B	C	D	E
1	IM632BC1.5	3/4	2 1/8	1 3/4	—	2 1/4	3/4
1 1/2	IM748BC1.5	1	2 7/8	2 3/8	1 5/8	3 1/2	7/8
1.66	IM753.1BC1.5	1	1 15/16	2 3/8	—	3 1/2	1 1/16
1	IM732BC1.5	1	2 1/8	2 1/8	—	2 3/4	3/4


APW10VLV


ATSK3621


GADW10VLV

Specialty Service Tools

APW10VLV Valve Persuader Wrench

- "Refinery Wrench" used in oil and gas downstream facilities
- Great universal multi-tool for numerous daily applications including 4" and 6" quick turns to open and close valves

ATSK3621 Hex to Square Adaptor

- ATSK3621 is used with the B2192 Impact Pentagon Socket to remove and tighten special bolts used by electrical utilities on pad mounted and sub-surface underground facilities
- 7/16" hex–1/2" square adaptor
- 3" long

GADW10VLV Valve Persuader Wrench

- Two tools combined into one convenient operator's tool that can be used wherever valves are adjusted for flow and pressure
- 10" overall length supplies leverage while being compact enough to be easily carried
- Big-mouth adjustable wrench has large, 1 3/4" capacity
- 3/4" valve wheel wrench opening
- Precision hardened and anti-corrosion treated
- Easy-to-read size measurement scale: fractional on one side, metric on the other

⚠WARNING

- Do not use "cheater bars" on handles
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

RAILROAD SERVICE TOOLS





5703747UP



IM728NT



IM736NT

Lag Screw Sockets

	Stock No.	A	B	C	D	E
1 1/8 x 7/8	5703747UP	1 7/8	2 1/8	1 3/4	3 1/2	7/8
1	IM728NT	1 3/4	2 1/8	31/32	2 1/8	13/16
1 1/8	IM736NT	1 13/16	2 1/4	1 3/32	2 1/4	3/4

5703747UP Lag Screw Socket
- For use on special rectangular head lag screws
- Rectangular head timber screw spikes are used to secure the rail anchor or rail clip
- The screw spikes are used by all railroads to varying degrees, but mainly the North American freight railroads (BNSF, NS, CSX, UPRR, KCS, CP Rail and CN Rail)
- The opening is 1 1/8" × 7/8" with a 1" square drive and can be used on an impact wrench

IM728NT Lag Screw Socket

IM736NT Lag Screw Socket



N8834



N8835



N8842



N8741

Track Bolt and Frog Bolt Sockets

	Stock No.	Square Drive, inches
1 11/16	N8834	1
1 13/16	N8835	1
1 5/8	N8842	1
1 7/16	SIM746NT	1
2 3/16	N8741	1

N8741 Frog Bolt Socket
- 1" drive socket is used primarily for Frog bolt applications



N8913

Side Bearing Cage Socket

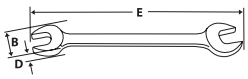
#	Stock No.	A	B	C	D	E
E20	N8913	1 5/32	1 5/8	3/4	1 3/4	1/2

N8913 Side Bearing Cage Socket
- Use this 3/4" drive E20 TORX® socket to service the breakoff portion of the side bearing cage bolt
- Installation of shear type E20 bolt during alignment of suspensions on Hendrickson® trailers

Railroad Torque Socket

	Stock No.	A	B	C	D	E
3/4"	SIMDTSA402	2	1 3/4	4 5/8	5 7/16	13/16

SIMDTSA402 Railroad Torque Socket



Railroad Wrench

	Stock No.	B	D	E
$^{13}/_{16}$–$^{7}/_{8}$	GVO2628TH.20	1 $^{11}/_{16}$–1 $^{13}/_{16}$	$^{7}/_{32}$	10



GVO2628TH.20



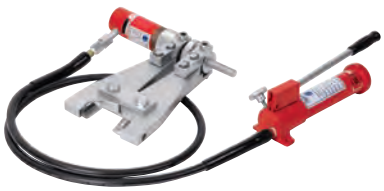
M4431B

GVO2628TH.20 Open End Wrench
- Used on railroad auxiliary generator coupler nuts (EMD Locomotives)

M4431B Car Yard Inspector Wrench
- Tightens air brake external nuts and cover screws
- Incorporates four 12-point sockets (3/4", 7/8", 15/16" and 1") plus a 9/16" open wrench all-in-one tool
- Box end portion of wrench is 10 3/8" long
- Open end portion of wrench is 6 1/4" long

NUT SPLITTERS

Hydraulic Nut Splitter



CG675HY

CG675HY Hydraulic Nut Splitter
- 6 ton controlled hydraulic power for removal of frozen or corroded nuts up to 2H hardness and 1 3/4" across the flats or 2" hex on soft nuts
- Includes CG652 ram and pump set
- 1 1/2" stroke

CG675 Nut Splitter
- Nut splitter without the hydraulics

Manual Nut Splitter



NC52

NC52 Nut Splitter
- For splitting nuts up to 3/4" across the flats
- Bar acts as a handle to hold tool securely

NC52-3 Extra Cutter

NC52-4A Anvil

CABLE CUTTERS

Hydraulic Cable Cutters



CG410HY

CG410HY Hydraulic Cable Cutter
- Cut steel cable up to 1 1/4" in diameter easily with up to 29 tons of force generated by this hydraulic package
- Hardened tool steel cutting blade and die make clean, square cuts and provide long, dependable service
- Both can be resharpened
- Includes CG420-2A pump, CG420-3-1 hose and CG420-4 coupler set

CG410 Cable Cutter
- Cable cutter without the hydraulics

CG420-2A 1 Stage Pump
One-stage 20, 35 and 50 ton pump

CG420-3-1 Hose

CG420-4 Coupler

⚠WARNING

- Read and follow all instructions
- Keep hands and body clear of cutter and splitter parts
- Read safety precautions on pages W1 to W4

AS YOU GET BIGGER, WE GET BETTER.

As you grow, Snap-on® tool sets grow with you. From your first day in the shop, to the top of the ladder, Snap-on has set-building solutions to fit your needs. Starting with our Apprentice Set, each tool set builds on the others – allowing your tool set to grow with your skill set. Or, you can simply start big: shop veterans find our larger sets to be the most comprehensive in the industry. That means all-in-one, turnkey solutions for increased productivity.

HOW IT WORKS.

Building a set from scratch? These sets will help set your business apart.

9100GSBO Apprentice Set — Includes a balanced selection of 1/4", 3/8" and 1/2" square drive tools, wrenches, screwdrivers, pliers, punches and chisels – everything for the "routine maintenance" basics.

9000GS2 — As your needs grow, add the second tool group: with more than 100 additional tools for more advanced work. And, as you add on new tool groups, you can expand your storage as well. It's the smart way to build your inventory: the ultimate hand tool inventory growing in lockstep with storage.



9600GSBO Complete Set



KRA2055FPBO



9100GSO

9100GSO Apprentice Set

Stock No.	Description	Page
114ATMP	1/4" Dr. General Service Set, 6-Point (14pc)	126
206EAU	3/8" Dr. Adaptor/Extension Set (6pc)	144
211FSY	Shallow, 6-Point (11pc) (1/4 – 7/8")	146
211SFSY	3/8" Dr. Deep Socket Set, 6-Point (11pc)	148
317MSPC	1/2" Dr. General Service Set, 6-Point (17pc)	209
91ACP	Adjustable Joint Pliers	337
AW1015DHK	Hex Wrench Set (15pc) (.028"–3/8")	270
BP16B	Ball Peen Hammer, 16 oz	356
CSA8C	Carbon Scraper	365
ECF201A	3 W, (2) D Cell, LED Flashlight	—
F80	Standard Handle	138
GA295	Mirror	683
GAC1580A	Dust/Impact Goggles	731
HBPT16	Plastic Tip Hammer	355
HSG319	Bi-Mold Handle Hacksaw	358
OEX709B	Combination Wrench Set, 12-Point (9pc)	244
PL300CF	Pliers/Cutters Set (3pc)	334
PPC710BK	Punch and Chisel Set (11pc)	351
PRH57A	Retaining Ring Pliers, Convertible	340
PT5C	Magnetic Pick-up Tool	682
PWC6	Wire Stripper/Cutter Pliers	344
SHDX800	Combination Screwdriver Set, Orange (8pc)	304
TPMA12	Tape Rule, US (12')	680

9100GSBO Complete Apprentice Set
- Includes 9100GSO and KRA2055FPBO top chest

9100GSO Apprentice Set
- More than 100pc for a well-balanced selection
- Does not include top chest

9100GSM Metric Plus Apprentice Set
- 9100GS Set plus AWM110DK metric hex wrench Set (11pc), 212FMY Metric 12-point socket Set (12pc) and OEXM710B metric 12-point combination wrench set (10pc)
- Does not include top chest

For the latest product components please visit:
www.snapon.com/setbuilding

WARNING • Read safety precautions on pages W1 to W4

US SET 2



9000GS2



KRA4059FPBO

9000GS2 Add-on Group

Stock No.	Description	Page
110STMY	1/4" 10pc set	111
112TMMY	1/4" Dr. Metric Shallow Socket Set, 6-Point (12pc)	110
1650	Prybar, 16"	332
2004BSKA	Battery Service Kit (4pc)	614
212EFTXY	1/4" and 3/8" Dr. Torx® Driver Set (12pc)	117
212FSMY	3/8" Dr. Metric Shallow Socket Set, 6-Point (12pc)	146
212SFSMY	3/8" Dr. Metric Deep Socket Set, 6-Point (12pc)	147
AC5C	Hand Scratch Brush	738
AWM110DHK	Metric Hex Wrench Set, L-Shaped	270
EECT4H	Circuit Tester	518
FADH12A	Adjustable Wrench, Cushion Handle, 12"	272
FB303B	Wire Gap Gauge	678
FB316B	Spark/Ignition Gauge (18 blades)	677
FB325A	US/Metric Gauge (25 blades)	677
FB361A	Gapper Gauge	678
FLF80	3/8" Dr. Long Flex Head Sealed Ratchet	138
FXK11	3/8" Dr. Extension, 11"	143
GSAF1E	Square Drive Adaptor	108
LP10WR	Locking Pliers, 10"	338
OEX30B	Std. Length Combination Wrench, 15/16"	244
OEX32B	Combination Wrench, 12-Point, 1"	244
OEXM710B	Metric Combination Wrench Set (10pc)	243
PK53A	Putty Knife/Scraper	366
RXFS605B	3/8" Dr. Double End Flare Nut Wrench Set (5pc)	257
S9704KR	3/8" Dr. Spark Plug Retention Socket, 6-Point, 13/16"	174
S9706KRA	Spark Plug Retention Socket, 6-Point, 5/8"	372
SGA173BR	Radiator Hose Pick	432
SGASA204AO	Miniature Pick Set, 4pc	328
SGDMRC44B	Ratcheting Soft Grip Screwdriver	314
SGT4BR	1/4" Dr. Standard Shank Driver	106
TMXK60	1/4" Dr. Extension, 6"	108

9200GSB Complete US Set 2
- Includes 9100GSO, 9000GS2 plus KRA4059FPBO top chest

9200AGSO US Set 2
- More than 200pc: includes all tools in 9100GSO and 9000GS2
- Does not include tool storage

9000GS2 Add-on Group 2
- More than 100pc in the add-on to 9100GSO apprentice set
- Does not include tool storage unit



KRA4008FPBO



KRA4059FPBO



9000GS3O

9000GS3O Add-on Group

Stock No.	Description	Page
112STMMY	1/4" 12pc Deep socket set	111
207EFAMY	3/8" Dr. Metric Hex Driver Set (7pc)	157
208EFAY	3/8" Dr. Hex Driver Set (8pc)	158
309SIMYA	1/2" Dr. Deep Impact Socket Set, 6-Point (9pc)	202
310IMMYA	1/2" Dr. Metric Shallow Impact Socket Set, 6-Point (10pc)	200
310SIMMYA	1/2" Dr. Metric Deep Impact Socket Set, 6-Point (10pc)	202
311IMYA	1/2" Dr. Shallow Impact Socket Set, 6-Point (11pc)	201
313TWMYA	1/2" Dr. Metric Socket Set, 6-Point (13pc)	191
AC58E	Wire Brush	738
GA3000B	Ear Protectors	729
IP80D	1/2" Dr. Impact Universal Joint	199
JCK7D	Fender Cover	670
JT13B	Blow Gun	504
MG725	1/2" Dr. Impact Wrench	464
OEXM6B	Metric Short Combination Wrench, 12-Point, 6 mm	246
OEXM7B	Metric Short Combination Wrench, 12-Point, 7 mm	246
OEXM8B	Metric Short Combination Wrench, 12-Point, 8 mm	246
OEXM9B	Metric Short Combination Wrench, 12-Point, 9 mm	246
QD3R250	1/2" Dr. Torque Wrench, 50–250 ft-lb	279
RXFMS606B	Metric Double End Flare Nut Wrench Set (6pc)	257
S8	1/2" Dr. Universal Joint	109
SL80A	1/2" Dr. Long Handle Sealed Ratchet	185
SPBS240	Prybar with Handle, 24", Orange	330
SXK3	1/2" Dr. Extension, 3 1/2"	189
TF72	1/4" Dr. Flex Head Sealed Ratchet	103
TMXK140	1/4" Dr. Extension, 14" long	108

9300GSBO Complete US Set 3
- Includes 9200AGSO, 9000GS3O plus KRA4059FPBO top chest and KRA4008FPBO roll cab

9300GSO US Set 3
- More than 300pc: includes all tools in 9200AGSO and 9000GS3O
- Does not include tool storage

9000GS3O Add-on Group 3
- More than 100pc in the add-on to 9200AGSO US Set 2
- Does not include tool storage

For the latest product components please visit:
www.snapon.com/setbuilding

WARNING • Read safety precautions on pages W1 to W4

US SET 4



9000GS40



KRL756CPBO



KRL751PBO

9000GS40 Add-on Group

Stock No.	Description	Page
1250	Prybar, 12" long	332
206AFSA	3/8" Dr. Universal Shallow Socket, 12-Point (6pc)	149
206FSUMA	3/8" Dr. Metric Universal Shallow Socket Set, 6-Point (6pc)	149
207SFRH	3/8" Dr. Metric Crowfoot Wrench Set (7pc)	260
210FRHMA	3/8" Dr. Metric Crowfoot Wrench Set (10pc)	260
313TSYA	1/2" Dr. Deep Socket Set, 6-Point (13pc)	192
388CF	High Leverage Cutter	335
61ACP	Duck Bill Pliers	336
AWP160	Adjustable Joint, Tongue & Groove Pliers	337
BP24B	Ball Peen Hammer, 24 oz	356
CJ2001P	Bolt Grip Puller Set	393
CSA12CO	Carbon Scraper, Orange	365
E1020	Extractor Set, 20pc	383
FADH8A	Adjustable Wrench, Cushion Handle, 8"	272
FL80	3/8" Dr. Long Handle Sealed Ratchet	138
FX24A	3/8" Dr. Extension, 24"	143
FXK4	3/8" Dr. Extension, 4"	143
FXK8	3/8" Dr. Extension, 8"	143
HBBD32	Ball Peen Dead Blow Hammer, 32 oz	5
HBFE32	Dead Blow Hammer, 32 oz	5
JCW60R	Creeper, Red	671
LP7WR	Locking Pliers, 7"	338
OEX080B	Short Combination Wrench, 12-Point, 1/4"	247
OEX10B	Combination Wrench, 12-Point, 5/16"	244
OEX34B	Combination Wrench, 12-Point, 1 1/16"	244
OEX36B	Combination Wrench, 12-Point, 1 1/8"	244
OEX40B	Combination Wrench, 12-Point, 1 1/4"	244

Stock No.	Description	Page
OEXM200B	Metric Combination Wrench, 12-Point, 20 mm	243
OEXM210B	Metric Combination Wrench, 12-Point, 21 mm	243
OEXM220B	Metric Combination Wrench, 12-Point, 22 mm	243
OEXS709B	Short Combination Wrench Set, 12-Point (9pc)	247
OEXSM710B	Metric Short Comb. Wr. Set, 12-Point (10pc)	246
PPB1012A	Bronze Tapered Punch, 3/8"	352
PPC104A	Pin Punch, 1/8"	351
PPC108A	Pin Punch, 1/4"	351
PPC204A	Starter Punch, 1/8"	351
PPC208A	Starter Punch, 1/4"	351
PPC3A	Center Punch, 1/8"	351
PPC5A	Punch/Chisel Holder	351
SGCP1BR	Cotter Pin Puller	588
SGHBF500A	File Set with Handles (4pc)	363
SHDX40O	Mini Combination Screwdriver Set, Orange (4pc)	304
SN24C	1/2" Dr. Breaker Bar, 24"	187
SPBS18O	Prybar w/Handle, 18" Orange	330
SRPC105	Retaining Ring Pliers Set (5pc)	339
SSM5A	Flat Tip Screw Starter	317
SX2	1/2" Dr. Extension, 2"	189
TA3	1/4"–3/8" Adaptor	109
TD2425	Tap and Die Set (41pc)	377
TDM117A	Metric Tap and Die Set (41pc)	377
TF528D	Tube Cutting and Double Flaring Set	14
TM61A	1/4" Dr. Flexible Extension, 6"	108
TMX1	1/4" Dr. Extension, 1 1/4"	108
TMXK110	1/4" Dr. Extension, Knurled,11" Long	108
UTK100	Utility Knife	361

9400GSBO Complete US Set 4
- Includes: 9300GSO, 9000GS4O plus KRL751PBO top chest and KRL756CPBO roll cab

9400GSO US Set 4
- More than 600pc: includes all tools in 9300GSO and 9000GS40
- Does not include tool storage

9000GS4O Add-on Group 4
- More than 250pc in the add-on to 9300GSO US Set 3
- Does not include tool storage



KRL751PBO



KRL756CPBO



9000GS5O

9000GS5O Add-on Group

Stock No.	Description	Page
196CF	Needle Nose Pliers with Side Cutter, 7 1/8"	336
212IMFYA	3/8" Dr. Shallow Impact Socket Set, 6 Point (12pc)	163
212SIMFYA	3/8" Dr. Deep Impact Socket Set, 6 Point (12pc)	164
214IMFMYA	3/8" Dr. Shallow Impact Socket Set, 6 Point (14pc)	163
214SIMFMYA	3/8" Dr. Deep Impact Socket Set, 6 Point (14pc)	164
313TSMYA	1/2" Dr. Metric Deep Socket Set, 6 Point (13pc)	192
497CF	90° Angle Jaw Needle Nose Pliers	336
650	Prybar, 6"	332
AWP120	Adjustable Joint, Tongue & Groove Pliers	337
BP8B	Ball Peen Hammer, 8 oz.	356
CJ2002	Bar Type Gear Puller Set	392
F12LA	3/8" Dr. Breaker Bar	142
FADH10A	Adjustable Wrench, Cushion Handle, 10"	272
FAR7200	Super Duty Air Ratchet, 3/8" Drive	464
FBF80	3/8" Bent Handle Flex Head	138
FK80	3/8" Dr. Stubby Head Sealed Ratchet	138
HBBT24	Bronze Tip Hammer, 24 oz	355
IMM200	1/2" Dr. Metric Shallow Impact Socket, 6 Point, 20 mm	200
IMM210	1/2" Dr. Metric Shallow Impact Socket, 6 Point, 21 mm	200
IMM220	1/2" Dr. Metric Shallow Impact Socket, 6 Point, 22 mm	200
IMM230	1/2" Dr. Metric Shallow Impact Socket, 6 Point, 23 mm	200
IMM240	1/2" Dr. Metric Shallow Impact Socket, 6 Point, 24 mm	200
IPF800B	3/8" Dr. Impact Universal Joint	162
KB2178	Kit Bag	351
MG325	3/8" Drive Air Impact Wrench	464
OEX11B	Combination Wrench, 12-Point, 11/32"	244
OEX260B	Short Combination Wrench, 12-Point, 13/16"	247
OEX280B	Short Combination Wrench, 12-Point, 7/8"	247
OEX300B	Short Combination Wrench, 12-Point, 15/16"	247
OEX320B	Short Combination Wrench, 12-Point, 1"	247
OEX38B	Combination Wrench, 12-Point, 1 3/16"	244
OEX42B	Combination Wrench, 12-Point, 1 5/16"	244
OEX8B	Combination Wrench, 12-Point, 1/4"	244
OEXM230B	Metric Standard Combination Wrench, 12-Point, 23 mm	243
OEXM240B	Metric Standard Combination Wrench, 12-Point, 24 mm	243
OEXM90B	Metric Standard Combination Wrench, 12 Point, 9 mm	243
OXI10B	Midget Combination Wrench, 12-Point, 5/16"	248
OXI12B	Midget Combination Wrench 12-Point, 3/8"	248

Stock No.	Description	Page
OXI706B	Fractional Midget Comb. Wrench Set, 12-point (6pc)	248
OXI8B	Midget Combination Wrench, 12-Point, 1/4"	248
OXIM710B	Metric Midget Comb. Wrench Set, 12-Point (10pc)	247
OXIM7B	Metrc Midget Combination Wrench, 12-Point, 7 mm	247
OXIM8B	Metric Midget Combination Wrench, 12-Point, 8 mm	247
OXIM9B	Metric Midget Combination Wrench, 12-Point, 9 mm	247
PPC110A	Pin Punch, 5/16"	351
PPC112	Pin Punch, 3/8"	351
PPC210A	Starter Punch, 5/16"	351
PPC824B	Flat Chisel, 3/4"	351
PPC828B	Flat Chisel, 7/8"	351
PT28E	Pick-up Tool	682
PWC14	Wire Stripper/Cutter/Crimper/Bolt Cutter, 8 3/4"	344
QD2R100	3/8" Dr. Adj. Click Type Torque Wrench 20–100 ft-lb	279
RTD48	Rethreading Kit (48pc)	19
S9704KFUA	Universal	173
S9706KRFUA	3/8" Dr. Spark Plug Universal Socket, 13/16"	372
SDM400A	Screwdriver Bit Set (37pc)	316
SF80A	1/2" Dr. Flex Head Sealed Ratchet	185
SHDP162O	Phillips® Tip Screwdriver, #2, Orange, 16"	307
SHDP62IRO	*Phillips* Tip Screwdriver, #2, Orange, 6"	307
SHDP63IRO	*Phillips* Tip Screwdriver, #3, Orange, 6"	307
SIMM200	1/2" Dr. Deep Impact Socket, 6-Point, 20 mm	202
SIMM210	1/2" Dr. Deep Impact Socket, 6-Point, 21 mm	202
SIMM220	1/2" Dr. Deep Impact Socket, 6-Point, 22 mm	202
SIMM230	1/2" Dr. Deep Impact Socket, 6-Point, 23 mm	202
SIMM240	1/2" Dr. Deep Impact Socket, 6-Point, 24 mm	202
SPBS12O	Prybar with Handle, 12", Orange	330
SSDE42C	Flat, Thin Blade Electronic Screwdriver	308
SSDE43C	Flat, Thin Blade Electronic Screwdriver	308
SSDE44C	Flat, Thin Blade Electronic Screwdriver	308
SSDE46C	Flat, Thin Blade Electronic Screwdriver	308
SSDE48C	Flat, Thin Blade Electronic Screwdriver	308
SSDMR1AO	Ratcheting Magnetic Screwdriver, Orange	315
TC123C	Tube Cutter	13
VS807B	Open End Wrench Set (7pc)	256
XB605A	Fractional Offset Box Wrench Set, 12-Point (5pc)	250
XBM605A	Metric Box End Wrench Set, 12-Point (5pc)	249

9500GSBO Complete US Set 5
- Includes 9400GSO, 9000GS5O plus KRL751PBO top chest and KRL756CPBO roll cab

9500GSO US Set 5
- More than 800pc: includes all tools in 9400GSO and 9000GS50
- Does not include tool storage

9000GS5O Add-on Group 5
- More than 150pc in the add-on to 9400GSO US Set 4
- Does not include tool storage

For the latest product components please visit:
www.snapon.com/setbuilding

WARNING

• Read safety precautions on pages W1 to W4

US SET 6



KRL722BPBO



9000GS6O



KRA276D



KRL791APBO

9000GS6O Add-on Group

Stock No.	Description	Page
106ATMXWP	1/4" Dr. Wobble Extension Set (6pc)	108
106TMUSA	1/4", Dr. Universal Socket Set, 6-Point (6pc)	114
10SSD	Offset Flat Tip Screwdriver	311
110ETMAY	1/4" Dr. Hex Driver Set (10pc)	120
120SSDP	Offset Phillips® Screwdriver, #1 and #2	311
2050	Prybar, 20"	332
205IPF	3/8" Dr Shallow Impact Swivel Socket Set, 6-Point (5pc)	165
206AFXWP	3/8" Dr. Wobble Extension Set (6pc)	144
20SSD	Offset Flat Tip Screwdriver	311
307IPLY	Frac. 1/2" Dr. Impact Swivel Socket Set, 6-Point (5pc)	204
A265A	Socket Rail, 12 Clips, 1/4" Drive, 7 3/8"	84
A271BB	Bulk Clips (qty. 6)	—
AWP45	Adjustable Joint, Tongue & Groove Pliers, 4 3/4"	337
AWP65	Adjustable Joint, Tongue & Groove Pliers, 7"	337
BP12B	Ball Peen Hammer, 12 oz	356
CHN480	Adjustable Joint Pliers, 20"	—
CJ2003A	Rear Axle Puller Set	392
CJ2004	Interchangeable Puller Set	392
CJ2005	Puller Accessory Set	392
CM6551	Miniature Screwdriver Set (5pc)	311
DBTR129	Drill Bit Set, 29 Bits	450
E703BCG	Electronic Needle Nose Pliers	341
E704BCG	Elec. Needle Nose Pliers, 60° Bent Tip, Non-Serrated	341
E710BCG	Electronic Taper Head Cutters, True Flush Cut	342
FADH6A	Adjustable Wrench, Cushion Handle, 6"	272
FAR25A	1/4" Dr. Air Ratchet	464
FS12B	3/8" Dr. Universal Shallow Socket, 6 Point, 3/8"	149
FSUM11A	3/8" Dr. Universal Shallow Socket, 6-Point, 11 mm	149
FSUM16A	3/8" Dr. Universal Shallow Socket, 6-Point, 16 mm	149
FSUM18A	3/8" Dr. Universal Shallow Socket, 6-Point, 18 mm	149
FSUM19A	3/8" Dr. Universal Shallow Socket, 6-Point, 19 mm	149
FX18	3/8" Dr. Extension, 18"	143
FX36	3/8" Dr. Extension, 36"	143
HBFE48	Dead Blow Hammer, 48 oz	5
IMTM10A	1/4" Dr. Shallow Impact Socket, 6-Point, 5/16"	122
IMTM12A	1/4" Dr. Shallow Impact Socket, 6-Point, 3/8"	122
IMTM14A	1/4" Dr. Shallow Impact Socket, 6-Point, 7/16"	122
IMTM16A	1/4" Dr. Shallow Impact Socket, 6-Point, 1/2"	122
IMTM18A	1/4" Dr. Shallow Impact Socket, 6-Point, 9/16"	122
IMTM8A	1/4" Dr. Shallow Impact Socket, 6-Point, 1/4"	122
IMTMM10	1/4" Dr. Metric Impact Socket, 6-Point, 10 mm	122
IMTMM11	1/4" Dr. Metric Impact Socket, 6-Point, 11 mm	122
IMTMM12	1/4" Dr. Metric Impact Socket, 6-Point, 12 mm	122
IMTMM13	1/4" Dr. Metric Impact Socket, 6-Point, 13 mm	122
IMTMM14	1/4" Dr. Metric Impact Socket, 6-Point, 14 mm	122

Stock No.	Description	Page
IMTMM15	1/4" Dr. Metric Impact Socket, 6-Point, 15 mm	122
IMTMM5	1/4" Dr. Metric Impact Socket, 6-Point, 5 mm	122
IMTMM5.5	1/4" Dr. Metric Impact Socket, 6-Point, 5.5 mm	122
IMTMM6	1/4" Dr. Metric Impact Socket, 6-Point, 6 mm	122
IMTMM7	1/4" Dr. Metric Impact Socket, 6-Point, 7 mm	122
IMTMM8	1/4" Dr. Metric Impact Socket, 6-Point, 8 mm	122
IMTMM9	1/4" Dr. Metric Impact Socket, 6-Point, 9 mm	122
LP6LN	Locking Long Nose Pliers, 6"	338
NDD900B	Metric Nut Driver Set (9pc)	318
OEX44B	Combination Wrench, 12-Point, 1 3/8"	244
OEX46B	Combination Wrench, 12-Point, 1 7/16"	244
OEX48B	Combination Wrench, 12-Point, 1 1/2"	244
PDR3000A	Air Drill, 3/8"	464
PPR708BK	Roll Pin Punch Set (8pc)	352
R810C	Frac. Ratcheting Box Wrench, 12-Point, 1/4"-5/16"	239
RB604C	Frac. Ratcheting Box Wrench Set, 12-Point (4pc)	239
RXS605B	Flare Nut/Open End Wrench Set, 6 Point (5pc)	257
SGFMN106	Mixed File Set (6pc)	363
SHDTX315O	T15 Torx® Screwdriver, Orange	311
SHDTX320O	T20 *Torx* Screwdriver, Orange	311
SPBS8O	Prybar with Handle, 8", Orange	330
SSDMR8AO	Ratcheting Magnetic Screwdriver, Orange	315
SX15	1/2" Dr. Extension, 15"	189
TD9902B	Tap and Die Set (25pc)	377
TS381	1/2", Dr. Deep Socket, 6-Point, 1 3/16"	192
TS401	1/2" Dr. Deep Socket, 6-Point 1 1/4"	192
TS421	1/2" Dr. Deep Socket, 6-Point 1 5/16"	192
TW381	1/2" Dr. Socket, 6-Point, 1 3/16"	191
TW401	1/2" Dr. Socket, 6-Point, 1 1/4"	191
TW421	1/2", Dr. Socket, 6-Point, 1 5/16"	191
TW441	1/2" Dr. Socket, 6-Point, 1 3/8"	191
TW461	1/2" Dr. Socket, 6-Point, 1 7/16"	191
TW481	1/2" Dr. Socket, 6-Point, 1 1/2"	191
TWM25	1/2", Dr. Metric Socket, 6-Point, 25 mm	191
TWM26	1/2" Dr. Metric Socket, 6-Point, 26 mm	191
TWM27	1/2", Dr. Metric Socket, 6-Point, 27 mm	191
TWM30	1/2" Dr. Metric Socket, 6-Point, 30 mm	191
TWM32	1/2" Dr. Metric Socket, 6-Point, 32 mm	191
VE200A	Puller Control Board	392
VS26B	Open End Wrench, 13/16"	256
VS28B	Open End Wrench, 7/8"	256
VS30B	Open End Wrench, 15/16"	256
VS32B	Open End Wrench , 1"	256
XO605	Fractional Offset Box Wrench Set, 12-Point (5pc)	251

9600GSBO Complete US Set 6
- Includes 9500GSO, 9000GS6O plus KRL791APBO top chest, KRL722BPBO roll cab and KRA276D wall cabinet

9600GSO US Set 6
- More than 1000pc: includes all tools in 9500GSO and 9000GS6O
- Does not include tool storage

9000GS6O Add-on Group 6
- More than 250pc in the add-on to 9500GSO US Set 5
- Does not include tool storage



KRA4059FPBO



9100AGMO

9100AGMO Metric Basic Set A

Stock No.	Description	Page
112STMMY	1/4" Dr. Metric Deep Skt. Set, 6-Point (12 pcs)	111
117TMM	1/4" Dr. Metric Starter Set (17 pcs)	125
1650	Prybar, 16" long	332
2004BSKA	Battery Service Kit (4pc)	614
206EAU	3/8" Dr. Adaptor Set (6 pcs)	144
212EFTXY	1/4" and 3/8" Dr. TORX® Driver Set (12pc)	117
212FSMY	3/8" Dr. Metric Socket Set, 6 Point (12 pcs)	146
212SFSMY	3/8" Dr. Metric Deep Socket Set, 6 Point (12pc)	147
317AMMPC	1/2" Dr. Metric Gen. Service Set, 6 Point (17 pcs)	209
91ACP	Adjustable Joint Pliers	334
97CF	Needle Nose Pliers	334
AWM110DHK	Metric Hex Wrench Set (11pc)	270
BP16B	Ball Peen Hammer, 16 oz.	356
CSA8C	Carbon Scraper	365
ECF201A	3 watt LED Flashlight	—
EECT4H	Circuit Tester	518
F80	3/8" Dr. Sealed Ratchet	138
FADH12A	Adjustable Wrench, Cushion Handle, 12"	272
FB316B	Ignition/Spark Plug Gauge Set (18 blades)	677
FB360C	Feeler Gauge Set (6 blades)	678
FB361A	Gapper Gauge	678
FBM320	Metric Feeler Gauge Set (20 blades)	677
FLF80	3/8" Dr. Long Flex Head Sealed Ratchet	138

Stock No.	Description	Page
FXK11	3/8" 8" Dr. Extension, 11" long	143
GA295	Mirror	683
GAC1580A	Dust/Impact Goggles	731
GSAF1E	Square Drive Adaptor	109
HBPT16	Plastic Tip Hammer, 16 oz	355
HSG319	Bi-Mold Handle Hacksaw	358
LP10WR	Locking Pliers, 10" long	338
OEXM710B	Metric Combination Wrench Set, 12-Point (10 pcs)	243
PK53A	Scraper	366
PL300CF	Needle Nose/Diagonal Cutter/Pliers Set (3 pcs)	334
PPC710BK	Punch and Chisel Set (11pc)	351
PRH57A	Retaining Ring Pliers, Convertible	340
PT5C	Telescopic Pick-up Tool	682
PWC6	Wire Stripper/Cutter Pliers	344
RXFMS606B	Metric Double End Flare Nut Wrench Set (6pc)	257
S9704KA	3/8" Dr. Spark Plug Retention Socket, 6 Point, 13/16"	18
S9706KRA	3/8" Dr. Spark Plug Retention Socket, 6 Point, 5/8"	372
SGA173BR	Radiator Hose Pick	636
SGASA204AO	Miniature Awl/Pick Set, Orange (4 pcs)	328
SGT4BR	Standard Shank Driver	106
SHDX80O	Combination Screwdriver Set, Orange (8pc)	304
SSDMR4BO	Ratcheting Magnetic Screwdriver, Orange	315
TMXK60	1/4" Dr. Extension, 6" long	108
TPMA25EM	English/Metric Tape Rule 25'/7.5 M	680

9100GMBO Complete Metric Set A
- More than 150pc: includes 9100AGMO plus KRA4059FPBO top chest

9100AGMO Metric Basic Set A
- Does not include tool storage

For the latest product components please visit:
www.snapon.com/setbuilding

WARNING • Read safety precautions on pages W1 to W4

METRIC SETS B



9000GM2O



KRA4059FPBO



KRA4008FPBO

9000GM2O Add-on Group

Stock No.	Description	Page
1250	Prybar, 12" long	332
206FSUMA	3/8" Dr. Metric Shallow Universal Socket Set, 6-Point (6pc)	149
207EFAMY	3/8" Dr. Metric Hex Driver Set (7pc)	157
210FRHMA	3/8" Dr. Met. Flare Nut Wrench Set, 6-Point (10 pcs)	260
310IMMYA	1/2" Dr. Shallow Metric Impact Socket Set, 6-Point (10pc)	200
310SIMMYA	1/2" Dr. Deep Metric Impact Socket Set, 6-Point (10pc)	202
313TSMYA	1/2" Dr. Metric Deep Socket Set, 12-Point (13pc)	192
388CF	Hi Leverage Cutters, 7 3/4" long	335
61ACP	Duck Bill Pliers, 7 3/4" long	336
AC58E	Wire Brush	738
AWP160	Adjustable Joint, Tongue & Groove Pliers	337
BP24B	Ball Peen Hammer, 24 oz	356
CJ2001P	Bolt Grip Puller Set	393
CSA12CO	Carbon Scraper	365
E1020	Extractor Set (20pc)	383
FADH8A	Adjustable Wrench, Cushion Handle, 8"	272
FL80	3/8" Dr. Long Handle Sealed Ratchet	138
FX24A	3/8" Dr. Extension, 24" long	143
FXK4	3/8" Dr. Extension, 4" long	143
FXK8	3/8" Dr. Extension, 8" long	143
GA3000B	Ear Protectors	729
HBFE32	Dead Blow Hammer, 32 oz	5
IP80D	1/2" Dr. Impact Swivel Socket	199
JCK7D	Fender Cover	670
JT13B	Blow Gun	504
LP7WR	Locking Pliers, 7" long	338
MG725	Heavy Duty Air Impact Wrench, 1/2" Dr.	464
OEXM200B	Metric Combination Wrench, 12-Point, 20 mm	243
OEXM210B	Metric Combination Wrench, 12-Point, 21 mm	243

Stock No.	Description	Page
OEXM220B	Metric Combination Wrench, 12-Point, 22 mm	243
OEXM6B	Metric Short Combination Wrench, 12-Point, 6 mm	246
OEXM7B	Metric Short Combination Wrench, 12-Point, 7 mm	246
OEXM8B	Metric Short Combination Wrench, 12-Point, 8 mm	246
OEXM9B	Metric Short Combination Wrench, 12-point, 9 mm	246
OEXSM710B	Metric Short Combination Wrench Set 12-Point (10pc)	246
PPC104A	Pin Punch, 1/8"	351
PPC108A	Pin Punch, 1/4"	351
PPC204A	Starter Punch, 1/8"	351
PPC208A	Starter Punch, 1/4"	351
PPC3A	Center Punch, 5/16"	351
QD3RM30	1/2" Dr. Click Type Torque Wrench, 30 kg-m	280
S8	1/2" Dr. Universal Joint	109
SGCP1BR	Cotter Pin Puller	588
SGHBF500A	File Set with Handles (4pc)	363
SL80A	1/2" Dr. Long Handle Sealed Ratchet	185
SN24C	1/2" Dr. Breaker Bar, 24" long	187
SPBS24O	Prybar with Handle, 24" long, Orange	330
SRPC105	Retaining Ring Pliers (5pc)	339
SXK3	1/2" Dr. Extension, 3" long	189
TA3	1/4"–3/8" Dr. Adaptor	109
TC28C	Tube Cutter	13
TDM117A	Metric Tap and Die Set (41pc)	378
TF72	1/4" Dr. Flex Head Sealed Ratchet	103
TFM428	Flaring Tool	14
TMX1	1/4" Dr. Extension, 1" long	108
TMXK140	1/4" Dr. Extension, 14" long	108
UTK100	Utility Knife	361

9200GMBO Complete Metric Set B
- Includes: 9100AGMO, 9000GM2O plus KRA4059FPBO top chest and KRA4008FPBO roll cab

9200GMO Metric Set B
- More than 400pc
- Does not include tool storage

9000GM2O Add-on Group B
- More than 200pc
- Does not include tool storage



KRL751PBO



KRL756CPBO



9000GM3O

9000GM3O Add-on Group

Stock No.	Description	Page
106ATMXWP	1/4" Dr. Wobble Extension Set (6pc)	108
196CF	Needle Nose Pliers with Cutter, 7 1/8"	336
206AFXWP	3/8" Dr. Wobble Plus Extension Set (6pc)	144
214IMFMYA	3/8" Dr. Shallow Impact Socket Set, 6-Point (14pc)	163
214SIMFMYA	3/8" Dr. Metric Deep Impact Socket Set, 6 Point (14pc)	164
497CF	90° Angle Jaw Needle Nose Pliers	336
650	Prybar, 6"	260
AWP120	Adjustable Joint Tongue and Groove Pliers, 12 3/4"	337
BP8B	Ball Peen Hammer, 8 oz.	356
CJ2002	Puller Set	392
F12LA	Long Handle	142
FADH10A	Adjustable Wrench, Cushion Handle, 10"	272
FAR7200	Super Duty Air Ratchet, 3/8" Dr.	464
FBF80	Bent Handle Flex Head	138
FK80	3/8" Dr. Short Handle Ratchet	138
HBBD32	Dead Blow Ball Peen Hammer, 32 oz	5
HBBT24	Bronze Tip Hammer, 24 oz	355
IMM200	1/2" Dr. Metric Shallow Impact Socket, 6-Point, 20 mm	200
IMM210	1/2" Dr. Metric Shallow Impact Socket, 6-Point, 21 mm	200
IMM220	1/2" Dr. Metric Shallow Impact Socket, 6-Point, 22 mm	200
IMM230	1/2" Dr. Metric Shallow Impact Socket, 6-Point, 23 mm	200
IMM240	1/2" Dr. Metric Shallow Impact Socket, 6-Point, 24 mm	200
IPF800B	3/8" Dr. Impact Universal Joint	162
IPFM10C	3/8" Dr. Metric Shallow Swivel Impact Socket, 10 mm	165
IPFM12C	3/8" Dr. Metric Shallow Swivel Impact Socket, 12 mm	165
IPFM13C	3/8" Dr. Metric Shallow Swivel Impact Socket, 13 mm	165
IPFM14C	3/8" Dr. Metric Shallow Swivel Impact Socket, 14 mm	165
IPFM15C	3/8" Dr. Metric Shallow Swivel Impact Socket, 15 mm	165
IPFM16C	3/8" Dr. Metric Shallow Swivel Impact Socket, 16 mm	165
IPFM17C	3/8" Dr. Metric Shallow Swivel Impact Socket, 17 mm	165
IPFM18C	3/8" Dr. Metric Shallow Swivel Impact Socket, 18 mm	165
IPFM19C	3/8" Dr. Metric Shallow Swivel Impact Socket, 19 mm	165
IPFM9C	3/8" Dr. Metric Shallow Swivel Impact Socket, 9 mm	165
JCW60R	Creeper	671
KB2178	Kit Bag	351
MG325	3/8" Dr. Air Impact Wrench	464
OEXM230B	Metric Combination Wrench, 12-Point, 23 mm	243
OEXM240B	Metric Combination Wrench, 12-Point, 24 mm	243
OEXM270B	Metric Combination Wrench, 12-Point, 27 mm	243
OEXM300B	Metric Combination Wrench, 12-Point, 30 mm	243
OEXM90B	Metric Combination Wrench, 12-Point, 9 mm	243
OXIM710B	Metric Midget Comb. Wrench Set, 12-Point (10pc)	247
OXIM7B	Metrc Midget Combination Wrench, 12-Point, 7 mm	247
OXIM8B	Metric Midget Combination Wrench, 12-Point, 8 mm	247
OXIM9B	Metric Midget Combination Wrench, 12-Point, 9 mm	247
PPB1012A	Bronzed Tapered Punch, 3/8"	352
PPC110A	Pin Punch, 5/16"	351
PPC112	Pin Punch, 3/8"	351
PPC210A	Starter Punch, 5/16"	351
PPC5A	Punch and Chisel Holder	351
PPC824B	Flat Chisel, 3/4"	351
PPC828B	Flat Chisel, 7/8"	351
PT28E	Pick-up Tool	682
PWC14	Wire Stripper/Cutter/Bolt Cutter	344
QD2RM1000	Metric Adj. Click Type Torque Wrench 3/8"	280
RTD48	Rethreading Kit (48pc)	374
S9704KFUA	Universal	173
S9706KRFUA	3/8" Dr. Spark Plug Universal Socket, 6-Point, 5/8"	372
SDM400A	Screwdriver Bit Set (37pc)	319
SF80	1/2" Dr. Sealed Flex Head Ratchet	185
SGD304BR	Flat Tip Electronics Sc. Dr., .018" x 1/8" x 3"	305
SHDP162O	Phillips Tip Screwdriver #2, Orange	307
SHDP62IRO	*Phillips* Screwdriver, #2, Orange	307
SHDP63IRO	*Phillips* Tip Screwdriver #3, Orange	307
SIMM200	1/2" Dr. Deep Impact Socket, 6-Point, 20 mm	202
SIMM210	1/2" Dr. Deep Impact Socket, 6 Point, 21 mm 41	202
SIMM220	1/2" Dr. Deep Impact Socket, 6-Point, 22 mm	202
SIMM230	1/2" Dr. Deep Impact Socket, 6-Point, 23 mm	202
SIMM240	1/2" Dr. Deep Impact Socket, 6-Point, 24 mm	202
SPBS12O	Prybar with Handle, 12", Orange	330
SSDE42C	Flat Tip Electronics Sc. Drive, .018 x 1/8 x 2"	308
SSDE44C	Flat Tip Electronics Sc. Drive, .018 x 1/8 x 4"	308
SSDE66C	Flat Tip Electronics Sc. Drive, .030" x 3/16" x 6"	308
SSDE68C	Flat Tip Electronics Sc. Drive, .028" x 3/16" x 8"	308
SSDMR1AO	Ratcheting Magnetic Screwdriver, Orange 137	315
SX2	1/2" Dr. Extension, 2" 69	189
TC123C	Tubing Cutter	368
TM61A	1/4" Dr. Flexible Extension, 6"	108
TMXK110	1/4" Dr. Extension, 11"	108
TWM25	1/2", Dr. Metric Socket, 6-Point, 25 mm 36	191
TWM26	1/2" Dr. Metric Socket, 6-Point, 26 mm	191
TWM27	1/2", Dr. Metric Socket, 6-Point, 27 mm	191
TWM30	1/2" Dr. Metric Socket, 6-Point, 30 mm	191
VSM807B	Metric Open End Wrench Set (7pc)	256
XBM605A	Metric Long Offset Box Wrench Set (5pc)	249
XOM605	Metric Deep Offset Box Wrench Set (5pc)	251

9300GMBO Complete Metric Set C
Includes: 9200GMO, 9000GM3O plus KRL751PBO tool chest and KRL756CPBO roll cab

9300GMO Metric Set C
- More than 600pc: includes all tools in 9200GMO and 9000GM3O
- Does not include tool storage

9000GM3O Complete Metric Set C
- Includes 9200GMO, 9000GM3O plus KRL751PBO top chest and KRL756CPBO roll cab

For the latest product components please visit:
www.snapon.com/setbuilding

WARNING • Read safety precautions on pages W1 to W4

METRIC SETS D



9000GM4O



KRL751PBO

KRL756CPBO

9000GM4O Add-on Group

Stock No.	Description	Page
106ETMAMY	1/4" Dr. Metric Hex Driver Set (6pc)	119
10SSD	Offset Flat Tip Screwdriver	311
111TMUSMA	1/4" Dr. Metric U-Socket Set (11pc)	113
120SSDP	Phillips® Offset Screwdriver, #1-#2	311
2050	Prybar, 20"	332
20SSD	Offset Flat Tip Screwdriver	311
307IPLMY	1/2" Dr. Impact Swivel Sockets, 6-Point (7pc)	204
AWP65	Adjustable Joint Tongue & Groove Pliers	337
BP12B	Ball Peen Hammer, 12 oz	356
CHN480	Adjustable Joint Pliers, 20"	—
CJ2003A	Rear Axle Puller Set	392
CJ2004	Interchangeable Puller Set	392
CJ2005	Puller Accessory Set	392
CM6551	Miniature Screwdriver Set	311
DBTR129	Drill Bit Set 1/16"–1/4" (29pc)	450
E703BCG	Elec. Needle Nose Pliers, Serrated Jaws	341
E704BCG	Elec. Needle Nose Pliers, 60º Bent Tip, Nonserrated	341
E710BCG	Taper Head Electronic Cutters, True Flush Cut	342
FADH6A	Adjustable Wrench, Cushion Handle, 6"	272
FAR25A	1/4" Dr. Air Ratchet	464
FSM61	3/8" Dr. Metric Socket, 6-Point, 6 mm	146
FSM71	3/8" Dr Metric Socket, 6-Point, 7 mm	146
FSUM11A	3/8" Dr. Shallow Universal Socket, 6-Point, 11 mm	149
FSUM16A	3/8" Dr. Shallow Universal Socket, 6-Point, 16 mm	149
FSUM18A	3/8" Dr. Shallow Universal Socket, 6-Point, 18 mm	149
FSUM19A	3/8" Dr. Shallow Universal Socket, 6-Point, 19 mm	149
FX18	3/8" Dr. Extension, 18"	143
FX36	3/8" Dr. Extension, 36"	143
HBFE48	Dead Blow Hammer, 48 oz	5
IMTMM10	1/4" Dr. Metric Impact Socket, 6-Point, 10 mm	122
IMTMM11	1/4" Dr. Metric Impact Socket, 6-Point, 11 mm	122
IMTMM12	1/4" Dr. Metric Impact Socket, 6-Point, 12 mm	122
IMTMM13	1/4" Dr. Metric Impact Socket, 6-Point, 13 mm	122
IMTMM14	1/4" Dr. Metric Impact Socket, 6-Point, 14 mm	122
IMTMM15	1/4" Dr. Metric Impact Socket, 6-Point, 15 mm	122
IMTMM5	1/4" Dr. Metric Impact Socket, 6-Point, 5 mm	122
IMTMM5.5	1/4" Dr. Metric Impact Socket, 6-Point, 5.5 mm	122
IMTMM6	1/4" Dr. Metric Impact Socket, 6-Point, 6 mm	122
IMTMM7	1/4" Dr. Metric Impact Socket, 6-Point, 7 mm	122
IMTMM8	1/4" Dr. Metric Impact Socket, 6-Point, 8 mm	122
IMTMM9	1/4" Dr. Metric Impact Socket, 6-Point, 9 mm	122
LP5WR	Curved Jaw Locking Plier, 6"	338
LP6LN	Long Nose Pliers, 6"	338
NDDM900A	Metric Nut Driver Set (9pc)	318
OEXM250B	Metric Combination Wrench, 12-Point, 25 mm	243
OEXM260B	Metric Combination Wrench, 12-Point, 26 mm	243
OEXM290B	Metric Combination Wrench, 12-Point, 29 mm	243
OEXM320B	Metric Combination Wrench, 12-Point, 32 mm	243
PDR3000A	Heavy Duty Air Drill, 3/8"	464
PPR708BK	Roll Pin Punch Set (8pc)	352
RBM1011C	12-Point Metric Ratcheting Box Wrench	239
RBM1213C	12-Point Metric Ratcheting Box Wrench	239
RBM1415C	12-Point Metric Ratcheting Box Wrench	239
RBM1719C	12-Point Metric Ratcheting Box Wrench	239
RXSM605B	Metric Flare Nut/Open End Wrench Set, 6-Point (5pc)	257
SFSM6	1/4" Dr. Metric Deep Socket, 6-Point, 6 mm	147
SFSM7	1/4 " Dr. Metric Deep Socket, 6-Point, 7 mm	147
SGFMN106	Mixed File Set (6pc)	363
SHDTX315O	T15 TORX® Screwdriver, Orange	311
SHDTX320O	T20 *TORX* Screwdriver, Orange	311
SPBS8O	Prybar with Handle, Orange, 8"	330
SSDMR8AO	Ratcheting Magnetic Screwdriver, Orange	315
STMM4.5	1/4" Dr. Metric Deep Socket, 6-Point, 4.5 mm	111
SX15	1/2" Dr. Extension, 15"	189
TDM99117B	Metric Tap and Die Set (25pc)	378
TMM4.5	1/4" Dr. Metric Socket, 6-Point, 4.5 mm	110
TSM26	1/2" Dr. Metric Deep Socket, 6-Point, 26 mm	192
TSM27	1/2" Dr. Metric Deep Socket, 6-Point, 27 mm	192
TSM30	1/2" Dr. Metric Deep Socket, 6-Point, 30 mm	192
TSM32	1/2" Dr. Metric Deep Socket, 6-Point, 32 mm	192
TWM10A	1/2" Dr. Metric Socket, 6-Point, 10 mm	191
TWM11A	1/2" Dr. Metric Socket, 6-Point, 11 mm	191
TWM28	1/2" Dr. Metric Socket, 6-Point, 28 mm	191
TWM29	1/2" Dr. Metric Socket, 6-Point, 29 mm	191
TWM31	1/2" Dr. Metric Socket, 6-Point, 31 mm	191
TWM32	1/2" Dr. Metric Socket, 6-Point, 32 mm	191
VE200A	Puller Control Board	392

9400GMBO Complete Metric Set D

- Includes: 9300GMO, 9000GM4O plus KRL751PBO top chest, KRL756CPBO roll cab and KRA276D wall cabinet

9400GMO Metric Set D

- More than 800pc: includes all tools in 9300GMO and 9000GM4O
- Does not include tool storage

9000GM4O Add-on Group D

- More than 175pc in the add-on set to 9300GMO Set C
- Does not include tool storage



Overview.....442

Cordless.....444

Air.....463

Accessories.....487

POWER TOOLS

SO MUCH POWER. SO MANY OPTIONS.

Snap-on provides you with almost countless ways to wield power – from lithium cordless impact wrenches, to robust air tools, to ergonomic sanders and much, much more. But it doesn't stop there. Because the power is paired with unrivaled comfort and control. Choose from any one of our vast selection of power tools. And help create a surge in your business.



POWER

Snap-on puts the power in your hands – in any number of ways. Choose the tool, turn on the power, get the job done. End of story.

POWERFUL TORQUE — More power per pound. Snap-on® power tools are built with durable lightweight bodies – but pack a power punch.

CORDLESS TOOLS — With abundant power. Provides long-lasting power for the lithium series tools you use most.

ACCESSIBILITY — Big power to small spaces. Lets you get power to places where only hand tools used to go.

COMFORT AND CONTROL

Snap-on power tools are ergonomically designed to provide both comfort and control. So while they have power, you'll have staying power.

BALANCED WEIGHT — Feel the difference. A lightweight housing design balances the weight, so you get better control.

ERGONOMIC GRIPS — It makes perfect sense: when a tool feels better in your hand, it's that much easier to use.

COMPACT NOSE DESIGN — By removing unnecessary bulk, you get better access to restricted areas. Less is more.

"The power to do what you need, when and where you need it. No strings attached."

James Millikin
Nolensville, TN

James has:
18volt 3/8" drive cordless impact - CT8810A



UNPLUGGED. UNEQUALED.

Snap-on® cordless tools combine heavy-duty power with max mobility. What's more, you'll always have the proper tool for the proper torque – in low, medium and high torque applications.

Lightweight and Comfortable — Designed to feel balanced and natural in your hand.

Power — Pull the trigger and feel the power from an industry leader in cordless tools.

Durability, Capability — Tough tools that go anywhere – and do a great job when they arrive.

Higher-Grade Materials — Internal components combined with glass-filled nylon housings means these tools can tackle the toughest jobs.

AN ENTIRE BATTERY OF BATTERIES.

Power up with more battery options than ever before.

18V Lithium Batteries
The CTB8184 4.0Ah Battery is lightweight and long lasting, and contains the highest-grade lithium cells available. It features a built-in digital fuel gauge and a micro-controller that senses temperature and amperage – protecting the motor before it can overheat.

MicroLithium 14.4V
The new 14.4 MicroLithium™ 2.0Ah Battery has a quick charge time of 55 minutes, allowing you to work throughout the day on multiple jobs.



Impacts

Specifications	CT8850†	CT6818†	CT8815A†	CT8810A†	CT4415†	CT4418†	CT761†	CT725†	CT596†	CT595†
Battery Type	MonsterLithium™ 4.0 Ah	Ni-Cad 2.5 Ah	*MonsterLithium* 4.0 Ah	*MonsterLithium* 4.0 Ah	Ni-Cad 2.5 Ah	Ni-Cad 2.5 Ah	MicroLithium™ 2.0 Ah	*MicroLithium* 2.0 Ah	Ni-Cad 700 mAh	Ni-Cad 700 mAh
Battery Voltage	18	18	18	18	18	18	14.4	14.4	9.6	9.6
Square Drive, inches	1/2	1/2	1/2	3/8	1/2	3/8	3/8	1/4	3/8	1/4
Torque Output, ft-lb (N•m)	600 (813)	500 (678)	230 (311.8)	230 (311.8)	180 (244)	180 (244)	120 (163)	70 (95)	60 (81)	50 (67)
Blows Per Minute, BPM	2,280	2,150	3,480	3,480	3,440	3,440	3,000	3,000	3,000	3,000
Free Speed, RPM	1,900	1,900	2,400	2,400	2,230	2,230	2,200	2,500	2,500	2,500
Length, inches (mm)	9.6 (244)	9.6 (244)	6.5 (165)	6.5 (165)	6.5 (165)	6.5 (165)	6.3 (160)	6.3 (160)	6.2 (157)	6.2 (157)
Height w/ Battery, inches (mm)	10.2 (259)	10.2 (259)	9.5 (241)	9.5 (241)	9.5 (241)	9.5 (241)	7.7 (195)	7.7 (195)	7.1 (180)	7.1 (180)
Weight w/ Battery, lb (kg)	7.3 (3)	8 (3.6)	4.5 (2.4)	4.5 (2.4)	5.5 (2.5)	5.5 (2.5)	2.5 (1.1)	2 (0.9)	1.7 (.77)	1.7 (.77)
Charge Time (minutes)	60	40	60	60	40	40	55	55	55	55
Warranty (battery)	2 Years/ 1,000 Cycles	1 Year	2 Years/ 1,000 Cycles	2 Years/ 1,000 Cycles	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year
Warranty (tool, charger)	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year
Pinned Anvil Version	CT8850P†	CT6818P†	CT8815AP	CT8810AP	–	CT4418P	–	–	–	CT4418P
Quick Change Chuck Version (hex size of chuck)	CT8850QC† (7/16")	CT6818QC† (7/16")	–	CT8810AQC (1/4")	–	CT4418QC (1/4")	CT761QC† (1/4")	CT725QC† (1/4")	CT596QC	–
Tool Body Only	CT8850DB†	CT6818DB†	CT8815ADB	CT8810ADB	CT4415DB	CT4418DB	CT761DB†	CT725DB†	CT596DB	CT595DB

†CE

Drills/Drivers

Stock No.	CDR8850H	CDR6850	CDR761A	CTS761	CTS725	CTS596
Battery Type	*MonsterLithium* 4.0 Ah	Ni-Cad 2.5 Ah	*MicroLithium* 2.0 Ah	*MicroLithium* 2.0 Ah	*MicroLithium* 2.0 Ah	Ni-Cad 700 mAh
Battery Voltage		18	14.4	14.4	14.4	9.6
Chuck Capacity, inches	1/2	1/2	3/8	1/4 hex	1/4 hex	1/4 hex
Torque Output, inches lb (N•m)	450 (51)	450 (50.8)	150 (16.9)	150 (17)	100 (11.2)	60 (6.8)
Clutch Settings	22	22	9	9	9	6
Gear Box Type	2-speed	2-speed	2-speed	2-speed	Single speed	Single speed
RPM (Low)	0–500	0–500	0–400	0–400	—	—
RPM (High)	0–1,800	0–1,800	0–1,400	0–1,400	0–400	0–400
Charge Time (minutes)	60	40	55	55	55	55
Length, inches (mm)	10.25 (260)	10.25 (260)	7.5 (190.5)	5.8 (147.3)	5.4 (137)	5.2 (132)
Weight w/ Battery, lb (kg)	5.2 (2.3)	6.3 (2.8)	2.4 (1.1)	2.0 (0.9)	2 (0.9)	1.5 (.68)
Warranty (battery)	2 Years/ 1,000 Cycles	1 Year	1 Year	1 Year	1 Year	1 Year
Warranty (tool, charger)	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year
Tool Body Only	CDR8850HDB†	CDR6850DB†	CDR761ADB	CTS761DB	CTS725DB	CTS596DB

†CE

⚠WARNING

• Read and follow safety messages for each type of Cordless Tool on the following pages and the safety precautions on pages W1 to W4

CORDLESS: QUICK REFERENCE CHART

Reciprocating Saws/Grease Guns

Stock No.	CTRS8850†	CTRS761†	CGG4850†
Battery Type	MonsterLithium™ 4.0 Ah	MicroLithium™ 2.0 Ah	Ni-Cad 2.5 Ah
Battery Voltage	18	14.4	18
Stroke Length, inches (mm)	1 (25.4)	1/2 (12.7)	—
Strokes Per Minute	2,400	0-3,000	—
Capacity (tubes dispensed w/ one battery)	—	—	12
Hose Length, inches (mm)	—	—	30 (762)
Pressure Rating (PSI)	—	—	7500
Charge Time (minutes)	60	55	40
Length, inches (mm)	18 (457)	12" (304mm)	15.8 (401)
Height w/ Battery, inches (mm)	8.25 (210)	12.5 (317.5)	13 (330)
Weight w/ Battery, lb (kg)	7.7 (3.4)	1.4 (.64)	9.5 (4.3)
Warranty (battery)	2 Years/1,000 Cycles	1 Year	1 Year
Warranty (tool, charger)	1 Year	1 Year	1 Year
Tool Body Only	CTRS8850DB†	CTRS761DB†	CGG4850DB†

†CE

Adhesive Guns

Stock No.	CAG8850DBKIT
Battery Type	*MonsterLithium* 4.0 Ah
Battery Voltage	18
Weight w/ Battery, lb (kg)	1.2 (0.5)
Actuation	Manual Feed
Adhesive Output	2.5 lb Per Hour
Adhesive Stick	1/2" Round
Nozzle Type	Ball Check
Stroke: Grams Per Squeeze	1.2
Service Rating	Industrial
Temperature	350 °F Nominal, 380 °F Maximum
Temperature Control	Solid State

Ratchets

Stock No.	CTR725A	CTR761A
Battery Type	*MicroLithium* 2.0 Ah	*MicroLithium* 2.0 Ah
Battery Voltage	14.4	14.4
Square Drive, inches (mm)	1/4 (6)	3/8 (10)
Torque Output, ft-lb (N•m)	30 (40.6)	30 (40.6)
Free Speed, RPM	350	350
Charge Time (minutes)	55	55
Weight, lb (kg)	2.5 (1.1)	2.5 (1.1)
Height w/ Battery, inches (mm)	12.2 (310)	12.2 (310)
Warranty (battery)	1 Year	1 Year
Warranty (tool, charger)	1 Year	1 Year
Tool Only	CTR725ADB	CTR761ADB

Grinder

Stock No.	CTGR8850
Battery Type	*MonsterLithium* 4.0 Ah
Battery Voltage	18
Wheel Size, inches (mm)	4.5 (114) or 5 (127)
Arbor Size, inches (mm)	7/8 (22)
Free Speed, RPM	8,000
Length w/ Battery, inches (mm)	16.5 (419)
Weight w/ Battery, lb (kg)	5.7 (2.4)
Warranty (Battery)	2 Years/1,000 Cycles
Warranty (tool, charger)	1 Year
Tool Only	CTGR8850DB



CT8850



CT8850G



CT8850O



CT6818

18V Impact Wrenches

CT8850 18V MonsterLithium™ Impact

- 600 ft-lb torque output
- Built-in super bright 1 W LED light
- Built-in anvil brake stop
- Digital microprocessor controlled switch for precise control
- Rare earth magnet motor provides greater torque
- Housing screen keeps debris out of the tool
- Thermal temperature controlled motor prolongs tool life
- Includes two *MonsterLithium* batteries and charger in a tote bag
- Also available: CT8850G (green kit), CT8850DBG (green, tool only), CT8850O (orange kit) and CT8850DBO (orange, tool only)

CT6818 18V Ni-Cad Impact

- 500 ft-lb torque output
- Glass filled nylon housing provides durability and strength
- Patented air flow system routes cool air over the motor to extend tool life
- Needle bearing support helical cut gears distribute even torque load from the motor
- Ergonomic cushion grip absorbs vibration and reduces fatigue
- Super heavy duty motor is cushion mounted to reduce vibration
- One-handed forward/reverse lever
- Includes two Ni-Cad batteries and charger in a tote bag

Stock No.	CT8850†	CT6818†
Battery Type	*MonsterLithium* 4.0 Ah	Ni-Cad 2.5 Ah
Battery Voltage	18	18
Square Drive, inches (mm)	1/2 (13)	1/2 (13)
Anvil Type	Friction Ring	Friction Ring
Torque Output, ft-lb (N•m)	600 (813)	500 (678)
Blows Per Minute, bpm	2,280	2,150
Free Speed, RPM	1,900	1,900
Charge Time (minutes)	60	40
Length, inches (mm)	9.6 (244)	9.6 (244)
Weight w/ Battery, lb (kg)	7.3 (3)	8 (3.6)
Warranty (battery)	2 Years/1,000 Cycles	1 Year
Warranty (tool & charger)	1 Year	1 Year
Pinned Anvil Version	CT8850P†	CT6818P†
Quick Change Chuck Version (hex size of chuck)	CT8850QC† (7/16")	CT6818QC† (7/16")
Tool Only	CT8850DB†	CT6818DB†
Battery (qty)	CTB8185† (2)	CTB4187† (2)
Tote Bag	CTUTOTE	CTUTOTE
Charger	CTC720†	CTC620†
Optional Protective Boot	CT8850BOOT	CT8850BOOT
Color Option: Green	CT8850G	—
Color Option: Orange	CT8850O	—

†CE

⚠WARNING



- Use only impact sockets and accessories with impact wrenches
- Read safety precautions on pages W1 to W4

CORDLESS: 18-VOLT IMPACT WRENCHES



CT8815A



CT8810A



CT8810AO



CT8810AG

18V Impact Wrenches

CT8815A/CT8810A 1/2" and 3/8" Square Drive 18V Cordless Impact Wrench

- Provides an incredibly powerful 230 ft-lb at a light weight of 4.5 lb
- High capacity 72 watt-hour, 18V MonsterLithium™ battery for long run time
- High efficiency rare-earth magnet, four-brush motor for maximum durability
- The CT8815A can remove 525 bolts tightened at 200 ft-lb on one battery charge
- Cold-formed, alloy steel anvil for maximum durability
- The digital fuel gauge and micro-controller in the lithium battery monitors temperature and amperage to prevent motor overheating
- Ergonomic overmolded cushion grip for continuous use with less fatigue
- Includes tool, 2 batteries and a tote bag
- Also available: CT8810G (green kit), CT8810AGDB (green, tool only), CT8810AO (orange kit) and CT8810AODB (orange, tool only)

Specifications	CT8815A†	CT8810A†
Battery Type	*MonsterLithium* 4.0 Ah	*MonsterLithium* 4.0 Ah
Battery Voltage	18	18
Square Drive, inches (mm)	1/2 (13)	3/8 (10)
Anvil Type	Friction Ring	Friction Ring
Torque Output, ft-lb (N•m)	230 (311.8)	230 (311.8)
Blows Per Minute, bpm	3,480	3,480
Free Speed, RPM	2,400	2,400
Charge Time (minutes)	60	60
Length, inches (mm)	6.5 (165)	6.5 (165)
Weight w/ Battery, lb (kg)	4.5 (2.4)	4.5 (2.4)
Warranty (battery)	2 Years/1,000 Cycles	2 Years/1,000 Cycles
Warranty (tool & charger)	1 Year	1 Year
Pinned Anvil Version	CT8815AP†	CT8810AP†
Quick Change Chuck Version (hex size)	—	CT8810AQC (1/4")
Tool Only	CT8815ADB†	CT8810ADB†
Battery (qty)	CTB8185† (2)	CTB8185† (2)
Tote Bag	CTUTOTE	CTUTOTE
Charger	CTC720†	CTC720†
Optional Protective Boot	CT8810BOOT	CT8810BOOT

†CE – DE, ES, GB, FR, IT, NL, UL, CUL



CT4415



CT4418

18V Impact Wrenches

CT4415/CT4418 1/2" and 3/8" Square Drive 18V Cordless Impact Wrenches

- 180 ft-lb torque output
- Light illuminates the work area
- High efficiency rare-earth magnet, four-brush, motor for maximum durability
- Micro-controlled digital switch, with variable speed, protects the unit from overheating
- High capacity 2.5 Ah, 18V Ni-Cad battery for long run time
- Alloy steel, heat treated, helical gears for maximum durability
- Alloy steel hammer and gear carrier, accurately machined for maximum durability
- Patented impact mechanism design
- Cold-formed, alloy steel anvil for maximum durability
- Housings are made from high-strength, impact-modified 30% glass-filled Nylon 6 material
- Ergonomic design, with soft grip handles to reduce user fatigue
- Includes tool, two batteries and a tote bag

Specifications	CT4415†	CT4418†
Battery Type	Ni-Cad 2.5 Ah	Ni-Cad 2.5 Ah
Battery Voltage	18	18
Square Drive, inches (mm)	1/2 (13)	3/8 (10)
Anvil Type	Friction Ring	Friction Ring
Torque Output, ft-lb (N•m)	180 (244)	180 (244)
Blows Per Minute, bpm	3,440	3,440
Free Speed, RPM	2,230	2,230
Charge Time (minutes)	40	40
Length, inches (mm)	6.5 (165)	6.5 (165)
Weight w/ Battery, lb (kg)	5.5 (2.5)	5.5 (2.5)
Warranty (battery)	1 Year	1 Year
Warranty (tool & charger)	1 Year	1 Year
Pinned Anvil version	—	CT4418P†
Quick Change Chuck version (hex size)	—	CT4418QC (1/4")
Tool Only	CT4415DB	CT4418DB†
Battery (qty)	CTB4187† (2)	CTB4187† (2)
Tote Bag	CTUTOTE	CTUTOTE
Charger	CTC620†	CTC620†
Optional Protective Boot	CT8810BOOT	CT8810BOOT

† CE

⚠WARNING

- Use only impact sockets and accessories with impact wrenches
- Read safety precautions on pages W1 to W4

CORDLESS: 18-VOLT PLATFORMS



CDR8850H



CDR6850

18V Drills

CDR8850H 18V MonsterLithium™ Hammer Drill

- 1/2" single sleeve steel chuck with carbide jaws
- Heavy duty gearing designed for metal drilling
- Overmolded ergonomic cushion grip absorbs vibration and reduces user fatigue
- Digital microprocessor-controlled variable speed switch maximizes performance, runtime and durability
- 22-position clutch with two-speed gearbox provides torque control for the correct application
- Super bright 1 watt LED illuminates work area
- Stainless-steel motor screen keeps debris out of motor to extend life
- Included two 18V Lithium 4.0 Ah batteries and charger with a tote bag

CDR6850 18V Ni-Cad Drill

- Industrial strength, heavy duty gearing designed for drilling in metal
- Heavy duty single sleeve keyless chuck with carbide jaws grips bits securely and prevents slippage
- 22-position clutch with a two-speed gearbox provides torque control for driving applications
- Glass filled nylon housing is rugged and provides durability and strength
- Overmolded ergonomic cushion grip absorbs vibration and reduces user fatigue
- Stainless-steel motor screens keep debris out of the motor, extending tool life
- Contoured variable speed trigger provides ergonomic comfort and superior control
- Includes tool, 1 battery and a tote bag

Specifications	CDR8850H†	CDR6850†
Battery Type	*MonsterLithium* 4.0 Ah	Ni-Cad 2.5 Ah
Battery Voltage	18	18
Chuck Capacity, inches (mm)	1/2 (13)	1/2 (13)
Torque Output, in-lb (N•m)	450 (50.8)	450 (50.8)
Clutch Settings	22	22
Gear Box Type	3-speed	2-speed
Hammer Mode	Yes	No
RPM (Low)	0–500	0–500
RPM (High)	0–1,800	0–1,800
Charge Time (minutes)	60	40
Length, inches (mm)	10.25 (260)	10.25 (260)
Weight w/ Battery, lb (kg)	5.2 (20)	6.3 (2.8)
Height w/ Battery, inches (mm)	9.75 (247.6)	9.75 (247.6)
Warranty (tool & charger)	1 Year	1 Year
Warranty (battery)	2 Years/1,000 Cycles	1 Year
Battery (qty)	CTB8185† (2)	CTB4187† (2)
Tote Bag	CTUTOTE	CTUTOTE
Charger	CTC720†	CTC620†
Tool Only	CDR8850HDB†	CDR6850DB†

†CE



CGG4850

18V Grease Guns

- All steel heavy duty gearing provides strength and durability
- High pressure 7,500 PSI hose stays flexible in cold weather
- Planetary spur gear system resists wear and stripping
- Includes tool, 2 batteries and a tote bag

Specifications	CGG4850†
Battery Type	Ni-Cad 2.5 Ah
Battery Voltage	18
Capacity, Tubes Per Charge	12
Hose Length, inches (mm)	30 (762)
Charge Time (minutes)	40
Length, inches (mm)	15.8 (401)
Weight w/ Battery, lb (kg)	9.5 (4.3)
Warranty (tool & charger)	1 Year
Warranty (battery)	1 Year
Battery (qty)	CTB4187† (2)
Tote Bag	CTTOTEA
Charger	CTC620†
Tool Only	CGG4850DB

†CE



CTRS8850

CTRS8850 18V Cordless Reciprocating Saw

- Two battery choices available: 18V Lithium or 18V Ni-Cad match the needs of any application
- 75A rated, heavy duty variable speed trigger provides long life and is contoured to reduce user fatigue
- Heavy duty 14 gauge internal wiring withstands high current loads during heavy sawing
- Spring loaded blade retention system requires no tools and ejects broken blades easily
- Nonslip cushion grip nose reduces vibration and provides positive tool control
- Heavy duty armature and balanced motor design provide smooth operation
- Turbine style cooling system reduces heat buildup, extending tool life
- Sealed nose mechanism prevents dirt and sawing debris from damaging internal components
- Includes tool, two batteries and a tote bag

18V Reciprocating Saws

Specifications	CTRS8850†
Battery Type	MonsterLithium™ 4.0 Ah
Battery Voltage	18
Stroke Length, inches (mm)	1 (25.4)
Strokes per Minute	2,400
Charge Time (minutes)	60
Length, inches (mm)	18 (457)
Weight w/ Battery, lb (kg)	6 (2.7)
Warranty (tool & charger)	1 Year
Warranty (battery)	2 Years/1,000 Cycles
Battery (qty)	CTB8185† (1)
Tote Bag	CTTOTEA
Charger	CTC720†
Tool Only	CTRS8850DB

†CE

⚠WARNING

- Use only impact sockets and accessories with impact wrenches
- Read safety precautions on pages W1 to W4

CORDLESS: 18-VOLT PLATFORMS



CTGR8850

18V Grinders/Cut-off Tool

- 8,000 RPMs handles most grinding jobs with ease
- Ultra slim head – lets you get into areas other grinders cannot
- Battery rotates 270° – the battery will not get in the way
- Takes 4.5" or 5" wheels – more options to get the job done fast
- Anti-vibration handle – allows you to work longer and more comfortably
- Replaceable motor screen – keeps debris out of the motor so the tool lasts longer
- Seven-position safety guard – lets you tackle most jobs with less effort
- Toolless guard removal – simply pull one guard off and slide the other one on
- Includes tool, one battery and tote bag

Specifications	CTGR8850
Battery Type	MonsterLithium™ 4.0 Ah
Battery Voltage	18
Wheel Size, inches (mm)	4.5 (114) or 5 (127)
Arbor Size, inches (mm)	7/8 (22)
Free Speed, RPM	8,000
Warranty (tool)	1 Year
Length w/ Battery, inches (mm)	16.5 (419)
Warranty (battery)	2 Years/1,000 Cycles
Tool Only	CTGR8850DB
Battery (qty)	CTB8185 (1)
Battery Charger	CTC720 (1)
Tote Bag	CTUTOTE
Replacement Grinding Wheel	PT450-WH (4.5")
Replacement Cut-off Wheel	CTGR-CW50



CAG8850DKIT
(battery sold separately)

18V Cordless Adhesive Guns

- High efficiency melt chamber up to 2.2 lb of material Output Per Hour
- Precision, Solid State Temperature Control – state-of-the-art electronics for consistent performance
- Easy Squeeze Two-Finger Trigger – unique design allows for constant use with no fatigue
- Low Battery/Auto Shut-Off Alarm – audible signal lets you know when battery is low
- Rugged High Impact Nylon Housing
- On/Off Activator – one push start up for rapid ‹4 minute warm-up time
- Ready/On/Low Battery Indicator – visual indicator allows the user to quickly see the state of operation

Applications:
Dent pulling, temporary metal tacking, pin repair, wire staking, woods, metals, plastics, fiberglass

Kit Includes:
CAG6850DB, three different nozzles and six assorted adhesive sticks (battery and charger not included)

Specifications	CAG8850DBKIT
Battery Type	*MonsterLithium* 4.0 Ah
Battery Voltage	18
Actuation	Manual Feed
Adhesive Output	2.5 lb Per Hour
Adhesive Stick	1/2" Round
Nozzle Type	Ball Check
Stroke: Grams Per Squeeze	1.2
Service Rating	Industrial
Temperature	350 °F Nominal, 380 °F Maximum
Temperature Control	Solid State
Weight with Battery	1.2 (0.5)



CADP8850KIT

CADP8850KIT 18V Cordless Adhesive Gun Dent Pulling Kit

- CADP8850 Mini Lifters ergonomic design means less hand fatigue
- CADP8850-1 high strength pull tabs do not stretch
- New CAG6850-901 blue glue provides the strongest pull in all temperatures and humidly of any dent glue on the market
- The CAG6850-901 blue glue in combination with the CADP8850-1 pull tabs exceeded all other tab and glue combination pull strength by 20% in lab testing
- CAG6850-901 blue glue peels off easily with solvent


CT761


CT725


CTS761


CTS725

MicroLithium Impact Wrenches and Screwdrivers

	Impact Wrenches		Screwdrivers	
Specifications	**CT761†**	**CT725†**	**CTS761†**	**CTS725†**
Battery Type	*MicroLithium* 2.0 Ah	*MicroLithium* 2.0 Ah	*MicroLithium* 2.0 Ah	*MicroLithium* 2.0 Ah
Battery Voltage	14.4	14.4	14.4	14.4
Square Drive, inches (mm)	3/8 (13)	1/4 (6)	1/4 Hex	1/4 Hex
Torque Output, ft-lb (N•m)	3/8 (10)	70 (95)	—	—
Torque Output, in-lb (N•m)	—	—	150 (17)	100 (11.2)
Clutch Settings	—	—	9	9
Free Speed, RPM	2,500	2,500	400/1,400	400
Blows Per Minute, bpm	3,000	3,000	—	—
Charge Time (minutes)	55	55	55	55
Length, inches (mm)	6.3 (160)	6.3 (160)	5.8 (147.3)	5.4 (137)
Height, inches (mm)	7.8 (197)	7.6 (193)	7.8 (198.1)	7.7 (195)
Weight w/Battery, lb (kg)	2 (0.9)	2 (0.9)	2 (0.9)	2 (0.9)
Warranty (tool & charger)	1 Year	1 Year	1 Year	1 Year
Warranty (battery)	1 Year	1 Year	1 Year	1 Year
Quick Change Chuck version (hex size)	**CT761QC†**	**CT725QC†**	—	—
Tool Only	**CT761DB**	**CT725DB**	**CTS761DB†**	**CTS725DB†**
Battery (qty)	**CTB8172 (2)**	**CTB8172 (2)**	**CTB8172† (2)**	**CTB8172 (2)**
Tote Bag	**CTUTOTE**	**CTUTOTE**	**CTUTOTE**	**CTUTOTE**
Charger	**CTC772†**	**CTC772**	**CTC772†**	**CTC772†**

*UL® and CUL listed

† CE

CT761 3/8" Square Drive 14.4V *MicroLithium* Cordless Impact Kit

- 2,000 RPM free speed
- 120 ft-lb (162.7 N•m) torque output
- Variable speed trigger
- Built-in brake
- Built-in LED light
- Also available: CT761G (green), CT761DBG (green, tool only), CT761O (orange) and CT761DBO (orange, tool only)

CT725 1/4" Square Drive 7.2/14.4V *MicroLithium* Cordless Impact Kit

- 60 ft-lb of torque output
- Variable-speed digital toggle-style trigger
- Built-in brake stops the anvil from spinning
- Twin-beam LED lights
- Built-in fuel gauge
- Also available: CT725G (green), CT725DBG (green, tool only), CT725O (orange) and CT725DBO (orange, tool only)

CTS725 1/4" Hex 7.2/14.4V *MicroLithium* Cordless Screwdriver

- 100 in-lb of torque output
- 400 RPM
- Variable-speed digital toggle-style trigger
- 275 in-lb manual spindle lock
- Nine-position clutch
- Built-in LED lights
- Also available: CTS725G (green), CTS725DBG (green, tool only), CTS725O (orange) and CTS725DBO (orange, tool only)

CTS761 14.4V Cordless Screwdriver

- Digital variable-speed toggle-style trigger for precise control
- Twin-beam headlights illuminate the work area
- Built-in brake stops the tool from throwing sockets and fasteners
- Nine-position clutch allows you to dial in the proper torque
- 150 in-lb of torque output
- Overcurrent protection protects the electronics
- Under voltage protection will not overdraw the battery
- Built-in gauge displays the battery charge state
- Screened motor keeps debris from entering critical components
- Cushion grip handle provides positive tool control with less fatigue
- Glass-filled nylon housing for durability
- Super bright LED head light
- Two-Speed Gearbox – 400/1,400 RPM
- 300 in-lb manual spindle lock torque
- Also available: CTS761G (green), CTS761DBG (green, tool only), CTS761O (orange) and CTS761DBO (orange, tool only)

⚠WARNING

- Do not use grinder without the guard
- Read safety precautions on pages W1 to W4

CORDLESS: 14.4-VOLT MICROLITHIUM™ PLATFORMS


CTR725A


CTR725AO


CTR725AG


CTR761A


CTR761AO


CTR761AG

14.4V *MicroLithium* Ratchets

- 30 ft-lb torque output
- Digital variable-speed trigger for precise control
- Built-in brake stops the tool from throwing sockets and fasteners
- Uses a chromed wear bushing to increase brake life
- Over and under temperature protection keeps tool operating at peak efficiency
- Battery "fuel gauge" LED cleverly integrated into handle
- Cushion-grip handle provides positive tool control with less fatigue
- Large, accessible reversing knob for easy mechanism direction changes
- Integrated LED headlight
- Includes tool, two batteries, charger and tote bag
- Also available: CTR725AG (green), CTR725AO (orange), CTR761AG (green) and CTR761AO (orange) versions

Specifications	CTR725A	CTR761A
Battery Type	*MicroLithium* 2.0 Ah	*MicroLithium* 2.0 Ah
Battery Voltage	14.4	14.4
Charge Time (minutes)	55	55
Square Drive, inches (mm)	1/4 (6)	3/8 (10)
Torque Output, ft-lb (N•m)	30 (40.6)	30 (40.6)
Manual Torque, ft-lb (N•m)	45 (61)	158 (214)
Free Speed, RPM	350	350
Height w/ Battery, inches (mm)	12.2 (310)	12.2 (310)
Weight w/ Battery, lb (kg)	2.5 (1.1)	2.5 (1.1)
Warranty (tool & charger)	1 Year	1 Year
Warranty (battery)	1 Year	1 Year
Tool Only	CTR725ADB	CTR761ADB
Battery (qty)	CTB8172 (2)	CTB8172 (2)
Tote Bag	CTUTOTE	CTUTOTE
Battery Charger	CTC772	CTC772

CE – DE, ES, FR, IT, GB, NL, JP


CTRS761

14.4V *MicroLithium* Saws

CTRS761 Cordless Reciprocating Saw

Specifications	CTRS761
Battery Type	*MicroLithium* 2.0 Ah
Battery Voltage	14.4
Length, inches (mm)	12 (304)
Weight w/ Battery Pack, lb (kg)	1.4 (.64)
Weight w/ Battery, lb (kg)	3.2 (1.4)
Stroke Length, inches (mm)	5/8 (15.8)
Strokes per Minute	0–3,000
Warranty (tool & charger)	1 Year
Tool Only	CTRS761DB



CDR761A

14.4V Drill

Specifications	CDR761A
Battery Type	*MicroLithium* 2.0 Ah
Battery Voltage	14.4
Chuck Cap., inches	3/8 (10)
Clutch Settings	9
Free Speed, RPM	0–400 Low (0–1,400 High)
Height, inches (mm)	7.8 (198.1)
Length, inches (mm)	7.5 (190.5)
Torque Output, in-lb (N•m)	150 (16.9)
Weight w/ Battery, lb (kg)	2.4 (1.1)
Operating Temperature	-4 °F (-20 °C) to 140 °F (60 °C)
Sound Pressure Level, dB(A)	73.7
Sound Power Level, dBa	85.3
Warranty (tool & charger)	1 Year
Warranty (battery)	1 Year
Tote Bag	CTUTOTE
Tool Only	CDR761ADB
Battery (qty)	CTB8172 (2)
Battery Charger	CTC772

CDR761A 14.4V *MicroLithium* Cordless Drill Kit

- Lightweight drill with battery only 2.4 lb
- Small size to get in tight spots – under dash, firewall, etc.
- Cushion grip handle – nonslip, comfort for the operator, positive tool control allows the operator to work longer with less fatigue
- 150 in-lb of torque handles a wide variety of applications
- Two-speed drill (400/1,400 RPM) – low speed for higher torque applications/high speed for steel drilling
- Variable speed switch for featherability and control
- Fuel gauge lets you keep track of battery capacity
- Nine-position clutch delivers a range of torques from 8–50 in-lb
- 3/8" keyless drill chuck-single sleeve durable steel chuck make changing bits easy
- Includes tool, two batteries, charger and tote bag

⚠WARNING

- Do not use in an explosive or flammable atmosphere
- Read safety precautions on pages W1 to W4

CORDLESS: 9.6-VOLT NI-CAD BATTERY PLATFORMS



CT596



CT596QC



CTS596

9.6V Impact Wrenches

- Small, lightweight design is easy to control and reduces user fatigue
- Oversized forward/reverse toggle trigger for versatility
- Integrated soft grip handle provides comfort and positive tool control
- Tapered, lightweight, aluminum nose gets into restricted applications easily
- Includes tool, two batteries, charger and tote bag

9.6V Screwdriver

- 1/4" quick change hex chuck provides secure bit retention
- Six position clutch for added torque control
- Small, lightweight design maneuvers easily in restricted access applications
- Up to 250 in-lb of manual torque can be applied to break stubborn fasteners loose
- Gearless spindle lock has no teeth or gears to break or chip
- Includes tool, two batteries, charger and tote bag

	Impact Wrenches			Screwdriver
Specifications	**CT596**	**CT596QC**	**CT595**	**CTS596**
Battery Type	Ni-Cad 700 mAh	Ni-Cad 700 mAh	Ni-Cad 700 mAh	Ni-Cad 700 mAh
Battery Voltage	9.6	9.6	9.6	9.6
Square Drive, inches	3/8	1/4 hex	1/4	1/4 hex
Torque Output, ft-lb (N•m)	60 (81.3)	45 (61)	50 (67)	–
in-lb	—	—	—	60 (6.8)
Clutch Settings	—	—	—	6
Free Speed, RPM	2,500	2,500	2,500	375
Blows Per Minute, bpm	3,000	3,000	3,000	—
Charge Time (minutes)	55	55	55	55
Length, inches (mm)	6.2 (157)	6.5 (165)	6.2 (157)	5.2 (132)
Weight w/ Battery, lb (kg)	1.7 (.77)	1.7 (.77)	1.7 (.77)	1.5 (.68)
Height w/ Battery, inches (mm)	7.1 (180)	7.1 (180)	7.1 (180)	7.1 (180)
Warranty (tool & charger)	1 Year	1 Year	1 Year	1 Year
Warranty (battery)	1 Year	1 Year	1 Year	1 Year
Battery (qty)	**CTB5196** (2)	**CTB5196** (2)	**CTB5196** (2)	**CTB5196** (2)
Tool Only	**CT596DB*†**	**CT596QCDB*†**	**CT595DB*†**	**CTS596DB*†**
Tote Bag	**CTUTOTE**	**CTUTOTE**	**CTUTOTE**	**CTUTOTE**
Charger	**CTC596†**	**CTC596†**	**CTC596†**	**CTC596†**

†CE

Batteries not included



CTLED7850



CTLED6818



CTLZ761



CTL761



CTLU761



CTLUH761



CTLED566A

CTLED7850 LED Work Light, 18V
- 300 lumens for a super bright output
- Dual reflector system: flood or spot option
- 12-hour run time
- 120° rotating head
- Low-battery indicator
- Tempered glass lens
- Resists automotive fluids
- Lightweight aluminum head
- Impact modified nylon housing

CTLED6818 LED Work Light, 18V
- 300 lumens for a super bright output
- Dual reflector system: flood or spot option (mirror reflector included, changes unit into a flood light)
- Tempered glass lens
- 10-hour run time, low battery indicator
- Lightweight aluminum 120° rotating head
- Impact modified nylon housing resists automotive fluids
- Ni-Cad light 14.4V/18V slide-on batteries

CTLZ761 Flashlight
- 200 lumens output
- Low battery indicator (10 minutes)
- 4-hour run time
- Tempered glass lens
- Resists automotive fluids
- Impact modified nylon housing
- Uses CTB8172 14.4V MicroLithium™ Battery and CTC772 Charger

CTL761 Flashlight
- 200 lumens
- Low battery indicator
- 4-hour run time
- 120° rotating head
- Aluminum head
- Works with CTB6172, CTB7122 and CTB8172 batteries

CTLU761 Rechargeable LED Light
- 540 lumens, ultra bright light output
- 60 LED bulbs
- Includes hook with pad for hanging
- High impact housing and light tube
- 10-minute low battery indicator
- Works with CTB6172, CTB7172 and CTB8172 batteries

CTLUH761 Rechargeable Underhood LED Light
- 800 lumens, ultra bright light output
- 90 LED bulbs
- Expandable 81" clamp to position light at work area
- Ideal for underhook, undercarriage and over dash applications
- Includes hook with peg for hanging
- High impact housing and light tube
- 10-minute low battery indicator
- Works with CTB6172, CTB7172 and CTB8172 batteries

CTLED566A Flashlight
- Features six bright LED bulbs to illuminate the work area
- Durable glass filled nylon housing holds up in tough environments
- Works with CTB5172 and CTB5196 batteries

CE– DE, ES, FR, IT, GB, NL, JP
Battery and charger sold separately

⚠WARNING

- Use only impact sockets and accessories with impact wrenches
- Read safety precautions on pages W1 to W4

POWER MANAGEMENT



CTMS8850
(battery sold separately)



CTI8850
(battery sold separately)

Memory Savers/Power Inverters

CTMS8850 18V Memory Saver
- 12V DC 4A output
- 5V 1A USB output
- Audible battery level notification
- Four-hour run time, 12V at 1A
- One-hour run time, 12V at 4A
- Flexible swivel head
- Protective external fuse

CTI8850 18V Power Inverter
- 175 Watts Continious Output
- 120 Volt AC Adaptor
- 5V 1A USB Output
- Overload, short Circuit and Battery Voltage Protection
- Flexible Swivel Head
- Protective Internal Fuse and Cooling Fan



CTUSB8850



CTUSB761
(battery sold separately)

USB Power Units

CTUSB8850 18V USB Power Unit
- Four-port USB charging device
- 5V output at 2A, 1A, 0.5A (two each)
- Protective sliding doors
- LED indicator for state of charge
- Ratcheting mountable USB head
- One-hour run time with CTB8185 battery

CTUSB761 14.4V USB Power Unit
- 5V 1A output
- 1A output for two hours
- Compatible with CTB9172, CTB7122 and CTB8172
- LED power indicator
- USB protecctive sliding cover
- Easy on/off switch



CTB8172



CTB8185



CTB5196

18V Lithium Batteries

- 50% more run time, 36% lighter, 50% more life than Ni-Cad batteries
- 4.0 Ah high capacity cells
- No self discharge
- Four LED fuel gauge indicates battery charge and condition

14.4V and 18V Ni-Cad Batteries

- 2.5 Ah high capacity cells for long life
- No memory effect for maximum charging
- Glass filled nylon housing for durability 14.4V Lithium Batteries
- 50% more run time than Ni-Cad batteries
- 2.0 Ah high capacity cells
- Thermostat protects battery from overheating

9.6V Ni-Cad Batteries

- .7 Ah high capacity cells
- No memory effect for maximum charging

Batteries

Stock No.	Type	Voltage	Style	Charge Time (minutes)	Use with
CTBS196†	Ni-Cad	9.6	Tower	55	CTS596, CT595, CT596QC, CT595
CTB3092†	Ni-Cad	9.6	Tower	45	CT30, CDR20, lights
CTB312†	Ni-Cad	12	Tower	45	CDR30, CT310, CT350, lights
CTB3124†	Ni-Cad	12	Tower	45	CDR30, CT310, CT350, lights
CTB314†	Ni-Cad	14.4	Tower	45	CDR40, CDR45, CT3450, lights
CTB4147†	Ni-Cad	14.4	Slide-on	40	CDR4450 CT4110, CT4450, lights
CTB3187†	Ni-Cad	18	Tower	40	CDR3850, CT3850, lights
CTB4187†	Ni-Cad	18	Slide-on	40	CDR4850, CDR4850A, CDR6850, CGG4850, CT4850, CT4850HO, CT6850, CTRS4850, CTRS6850, lights
CTB8185†	Lithium Ion	18	Slide-on	30	CT8850 series, CT8815 series, CT8810 series
CTB6172†	Lithium	7.2	Tower	30	CT661, CTS661, CT661QC, CT625, CTL761, CT7850 series
CTB8172†	Lithium Ion	14.4	Tower	55	CDR761, CTL761, CLTZ761, CTLU761, CTLUH761

†CE



CTC720



CTC728



CTC772

Chargers

Stock No.	Type	Application
CTC572†	7.2V Ni-Cad Charger	Charges all 7.2V Ni-Cad batteries
CTC578†	7.2V DC Mobile Charger	Charges all 7.2V Ni-Cad batteries
CTC596	9.6V Ni-Cad Charger	All 9.6V Ni-Cad batteries
CTC420†	Multivolt Ni-Cad Charger	Charges all 9.6V, 14.4V and 18V Ni-Cad slide-on or tower style batteries
CTC620†	Dual Chemistry Charger	Charges all 14.4V / 18V Ni-Cad or Lithium slide-on style batteries
CTC628†	12V DC Dual Chemistry Mobile Charger	Charges all 14.4V / 18V Ni-Cad or Lithium slide-on style batteries
CTC720†	18V Lithium Charger	Charges CT7850 series products, CDR7850H, CTL7850, CT7850
CTC728†	12V DC Lithium Mobile Charger	Charges CT7850 series products, CDR7850H, CTL7850
CTC772†	3.0A 7.2V/14.4V Lithium Charger	All 14.4V and 7.2V MicroLithium™ batteries

†CE

⚠WARNING • Read safety precautions on pages W1 to W4

CORDLESS: SCREWDRIVER ACCESSORIES



CTEXTSET



CTS561BITSET



CTS561HOLSTER



CTS561CHUCK

Screwdriver Accessories

CTEXTSET Quick Change Extension Set
- Includes: CTEXT6 and CTEXT12 quick change extensions plus a T15 TORX® bit (1/4" shank) and a Phillips® bit (power groove hex shank)
- Ideal companion to the CTS series screwdrivers where extended reach is needed

CTS561BITSET Quick Change Bit Set
- For Snap-on® CTS series cordless screwdrivers plus other power drivers
- Quick change hex saves time changing bits
- Includes 22 bits (all 3" long) plus a 1/4" square drive (2" long)
- Storage case included

CTS561HOLSTR Bit Holster
- Holster for CTS series cordless screwdrivers
- Includes three flat tip bits (3/16", 7/32", 1/4"), three *Phillips* bits (#0, #1, #2) and two *TORX* bits (T15, T25)

CTS561CHUCK Quick Change Keyless Drill Chuck (1/4")
- 1/4" Hex shank for fast change-over
- Compact size improves access and visibility of drilling surface
- 1/4" chuck capacity provides convenience for small jobs
- 1/32"–1/4" drill capacity
- Use for light duty, small holes in metal and wood

ELECTRIC: POLISHER/ENGRAVER



ETB1580B



ETB1650A

Polisher

ETB1580B Polisher (Blue-Point®)
- Six-position speed setting allows user to dial in desired speed
- Variable-speed trigger lets user vary the speed within the range and have control over polishing speed
- Push button spindle lock for quick and easy pad changes
- Polish and detail autos, trucks and boats

Impact Wrench

ETB1650A Electric Impact Wrench (1/2" Square Drive) *(Blue-Point)*
- 8.5A motor delivers a powerful 350 ft-lb of torque
- Heavy duty 16-gauge electrical cord – resists oil
- Forward-reverse toggle switch – for fast, easy rotation selection
- Double-blow molded case protects your investment while transporting it
- ETL certification
- Remove/install auto and light truck fasteners in professional garages, scrap yards or for use at home



GA236C

Engraver

GA236C Engraver *(Blue-Point)*
- Marks all materials
- Includes 3 mm tungsten carbide tip
- Nine-position stroke adjustment to control engraving depth

GA236-32 Diamond Tip
- Optional heavy duty tip

Australia	Charger	Stock No.	Stock No.
Chargers:	Dual Chemistry Charger	**CTCFA620†** charges CTB4147, CTB4187 Ni-Cad or CTB6185, CTB6187 Lithium	—
	Multi-Volt Ni-Cad Charger	**CTCFA420†** charges CTB3092, CTB312, CTB3124, CTB314, CTB3187, CTB4147, CTB4187 Ni-Cad	—
	Lithium Charger	—	**CTCA720†** charges CTB7185/CTB8185 Lithium
	7.2V Charger Lithium also does 14.4V	**CTCA572†** charges CTB5172* Ni-Cad	**CTCA772** charges CTB6172, CTB7172 and CTB8172 Lithium
	9.6V Charger	**CTCA596†** charges CTB5196 Ni-Cad	—
Australia	**Tool**	**Ni-Cad Version**	**Lithium Version**
Tools:	18V Impact Wrench	**CTA6818†**	**CTA8850†**
	18V Drill	**CDRA6850†**	—
	18V Hammer Drill	—	**CDRA8850H†** Lithium
	18V Reciprocating Saw	**CTRSA6850†**	**CTRSA8850†**
	14.4V Impact Wrench	**CTA4418†**	**CTA761†** 3/8" **CTA725†** 1/4"
	14.4V Drill	**CDRA4450†**	**CDRA761A†**
	14.4V Screwdriver	—	**CTSA725†** **CTSA761†**
	9.6V Impact Wrench	**CTA596†** 3/8" **CTA595†** 1/4"	—
	9.6V Screwdriver	**CTSA596†**	—

United Kingdom	Charger	Stock No.	Stock No.
Chargers:	Dual Chemistry Charger	**CTCFU620†** charges CTB4147, CTB4187 Ni-Cad or CTB6185, CTB6187 Lithium	—
	Multi-Volt Ni-Cad Charger	**CTCFU4208†** charges CTB3092, CTB312, CTB3124, CTB314, CTB3187, CTB4147, CTB4187 Ni-Cad	—
	Lithium Charger	—	**CTCU7208†** charges CTB7185/CTB8185 Lithium
	7.2V Charger Lithium also does 14.4V	**CTCU572†** charges CTB5172 Ni-Cad	**CTCEU772†** charges CTB6172, CTB7172 and CTB8172 Lithium
	9.6V Charger	**CTCU596†** charges CTB5196 Ni-Cad	—
United Kingdom	**Tool**	**Ni-Cad Version**	**Lithium Version**
Tools:	18V Impact Wrench	**CTU68188†**	**CTU8850†**
	18V Drill	**CDRU6850†**	—
	18V Hammer Drill	—	**CDREU8850H†** Lithium
	18V Reciprocating Saw	**CTRSU6850†**	**CTRSEU8850†**
	14.4V Impact Wrench	**CTEU4418†**	**CTEU761†** 3/8" **CTEU725†** 1/4"
	14.4V Drill	**CDRU4450†**	**CDREU761A***
	14.4V Screwdriver	—	**CTSEU725†** **CTSEU761†**
	9.6V Impact Wrench	**CTU596†** 3/8" **CTU595†** 1/4"	—
	9.6V Screwdriver	**CTSEU596†**	—

†CE

⚠WARNING

• Use only impact sockets and accessories with impact wrenches
• Read safety precautions on pages W1 to W4

CORDLESS: INTERNATIONAL PRODUCT

Europe	Charger	Stock No.	Stock No.
Chargers:	Dual Chemistry Charger	**CTCFE620*** charges CTB4147, CTB4187 Ni-Cad or CTB6185, CTB6187 Lithium	
	Multivolt Ni-Cad Charger	**CTCFE420*** charges CTB3092, CTB312, CTB3124, CTB314, CTB3187, CTB4147, CTB4187 Ni-Cad	
	Lithium Charger		**CTCE720*** charges CTB7185/CTB8185 Lithium
	7.2V Charger Lithium also does 14.4V	**CTCE572*** charges CTB5172 Ni-Cad	**CTCEU772*** charges CTB6172, CTB7172 and CTB8172 Lithium
	9.6V Charger	**CTCE596*** charges CTB5196 Ni-Cad	
Europe	**Tool**	**Ni-Cad Version**	**Lithium Version**
Tools:	18V Impact Wrench	**CTE6818***	**CTCEU8850***
	18V Drill	**CDRE6850***	—
	18V Hammer Drill	—	**CDRE8850H*** Lithium
	18V Reciprocating Saw	**CTRSE6850***	**CTRSEU8850***
	14.4V Impact Wrench	**CTE4418***	**CTEU761*** 3/8" **CTEU725*** 1/4"
	14.4V Drill	**CDRE4450***	**CDREU761A***
	14.4V Screwdriver	—	**CTSEU725*** **CTSEU761***
	9.6V Impact Wrench	**CTE596*** 3/8" **CTE595*** 1/4"	
	9.6V Screwdriver	**CTSEU596***	

Japan	Charger	Stock No.	Stock No.
Chargers:	Dual Chemistry Charger	**CTCJ620*** charges CTB4147, CTB4187 Ni-Cad or CTB6185, CTB6187 Lithium	
	Multivolt Ni-Cad Charger	**CTCJ420*** charges CTB3092, CTB312, CTB3124, CTB314, CTB3187, CTB4147, CTB4187 Ni-Cad	
	Lithium Charger		**CTCJ720*** charges CTB7185/CTB8185 Lithium
	7.2V Charger Lithium also does 14.4V	**CTCJ572*** charges CTB5172 Ni-Cad	**CTCJ772*** charges CTB6172, CTB7172 and CTB8172 Lithium
	9.6V Charger	**CTCJ596*** charges CTB5196 Ni-Cad	
Japan	**Tool**	**Ni-Cad Version**	**Lithium Version**
Tools:	18V Impact Wrench	**CTJ6818***	**CTJ8850***
	18V Drill	**CDRJ6850***	—
	18V Hammer Drill	—	**CDRJ8850H*** Lithium
	18V Reciprocating Saw	**CTRSJ6850***	**CTRSJ8850***
	14.4V Impact Wrench	**CTJ4418***	—
	14.4V Drill	**CDRJ4450***	—
	14.4V Screwdriver	—	**CTSJ725*** **CTSJ761***
	9.6V Impact Wrench	**CTJ596*** 3/8" **CTJ595*** 1/4"	
	9.6V Screwdriver	**CTSJ596***	

All Countries	Charger	Stock No.	Application
Chargers:	12V DC Mobile Charger	**CTC628***	Charges CTB4147, CTB4187 Ni-Cad or CTB6185, CTB6187 Lithium
	7.2V DC Mobile Charger	**CTC578***	Charges CTCA572, CTB5172 Ni-Cad
	12V DC Mobile Charger	**CTC728***	Charges CTB7185/CTB8185 Lithium slide-on style batteries

*CE

LIGHTWEIGHT. ERGONOMIC. POWERFUL. IT'S AIR TOOL SUPERIORITY.

Snap-on has taken air to new heights. By fitting heavy-duty components into smaller places for more power with less weight.

POWER, MEET SPEED.
SPEED, MEET POWER.

Get the best of both worlds – big torque and high-speed – compliments of Snap-on state-of-the-art innovation.

Twin Hammer Impact Mechanisms — Unique hammer design results in more power per blow.

Impact Mechanism — More vanes in the rotor means smoother power transfer to the impact mechanism and less power lost in the motor.

EASY DOES IT. EVERY TIME.

Air tools that make your job easy, and do the job right.

Better Balance — For more user control.

Compact Nose Designs — Access tight spaces with ease.

ENDURING DURABILITY.

Heavy-duty, wear-and-tear-resistant components are built into every Snap-on® air tool — and into our DNA.

Oil-Bath Lubrication — Unique technology keeps internal components continuously lubricated for smooth operation and longer tool life.

ERGONOMIC DESIGN.

Snap-on air tools feel natural — so you can work more comfortably.

Reduced Vibration — Smooth-flowing motors and shock absorption reduce the stress from vibration.

Tip-Valve Trigger — For an intuitive flow of power from user to tool.



AIR: QUICK REFERENCE

Impact Wrenches

Stock No.	Drive Size, inches (mm)	Max. Torque, ft-lb (N•m)	Free Speed RPM	Blows Per Minute	Air Consumption, Free Speed, CFM (SCFM) [l/min]	Vibration Level, m/s²	Sound Level dB(A) Pressure	Length, inches (mm)	Weight, lb (kg)
IM1800 †	1 (25)	1,800 (2,440)	5,500	900	6.7 (48) [190]	8.6	104	14 (356)	15.2 (6.8)
IM1800L †	1 (25)	1,800 (2,440)	5,500	900	6.7 (48) [190]	8.6	104	20 (508)	16 (7.3)
AT1300A †	1 (25)	3,000 (4,067)	4,000	505	5.3 (38) [150]	4.4	103	21 (533)	25.6 (11.6)
AT1300AL †	1 (25)	2,700 (3,661)	4,000	505	5.3 (38) [150]	4.4	103	27 (686)	28 (12.7)
MG1250 †	3/4 (19)	1,200 (1,627)	6,200	1,050	6.4 (46) [181]	10.38	99.8	8 (203)	8.1 (3.7)
MG1250L †	3/4 (19)	1,200 (1,627)	6,200	1,050	6.4 (46) [181]	10.38	99.8	10 (254)	9 (4.09)
MG1250XL †	3/4 (19)	1,200 (1,627)	6,200	1,050	6.4 (46) [181]	10.38	99.8	13 (330)	10 (4.5)
MG1250P †	3/4 (19)	1,200 (1,627)	6,200	1,050	6.4 (46) [181]	10.38	99.8	8 (203)	8 (3.6)
AT670 †	3/4 (19)	1,050 (1,423)	6,700 (F), 6,900 (R)	1,050	5.6 (40) [159]	2.44	114.4	8.5 (215)	7.5 (3.44)
AT670L †	3/4 (19)	1,050 (1,423)	6,700 (F), 6,900 (R)	1,050	5.6 (40) [159]	2.44	114.4	13.5 (343)	8.8 (4)
MG725 †	1/2 (13)	810 (1,098)	9,800	1,270	4.0 (29) [113]	6.6	99.9	7.7 (194)	4.8 (2.2)
MG725L †	1/2 (13)	810 (1,094)	9,800	1,270	4.0 (29) [113]	6.6	99.9	9.7 (245)	5.0 (2.3)
MG725P †	1/2 (13)	810 (1,094)	9,800	1,270	4.0 (29) [113]	6.6	99.9	7.7 (194)	4.8 (2.2)
AT570 †	1/2 (13)	570 (773)	6,900 (F), 7,000 (R)	1,050	5.0 (36) [142] (F), 5.3 (38) [150] (R)	6.08	95	7.24 (184)	4.08 (1.87)
AT5500 †	1/2 (13)	550 (745)	7,400	1,200	4.2 (30) [118.9]	4.0	94	7.9 (20)	6.4 (2.9)
MG3255 †	1/2 (13)	325 (440)	10,700	1,400	4 (28) [113]	4.5	99.1	6.1 (155)	2.8 (1.3)
MG3255L †	1/2 (13)	325 (440)	10,700	1,400	4 (28) [113]	4.5	99.1	7.6 (193)	2.9 (1.3)
MG3255P †	1/2 (13)	325 (440)	10,700	1,400	4 (28) [113]	4.5	99.1	6.1 (162)	2.8 (1.3)
MG3255LP †	1/2 (13)	325 (440)	10,700	1,400	4 (28) [113]	4.5	99.1	7.6 (193)	2.9 (1.3)
MG325 †	3/8 (10)	325 (440)	10,700	1,400	4 (28) [113]	4.5	99.1	6.1 (155)	2.8 (1.3)
MG325P †	3/8 (10)	325 (440)	10,700	1,400	4 (28) [113]	4.5	99.1	6.1 (155)	2.8 (1.3)
AT380A †	3/8 (10)	175 (230)	8,700	1,680	3.9 (28) [111]	3.5	94	6.5 (165)	3.0 (1.36)
AT370 †	3/8 (10)	320 (434)	10,000 (F), 11,000 (R)	1,050	4.4 (326) [125] (F), 4.7 (34) [133] (R)	3.25	92	6.3 (160)	2.62 (1.19)
AT351 †	3/8 (10)	175 (237)	9,700	1,200	2.5 (18) [71]	3.09	109.2	7.6 (194)	2.5 (1.2)
AT235MCA †	1/4 (6)	25 (34)	13,000	2,900	1.67 (12) [47]	<2.5	95.1	6.2 (158)	1.4 (.64)

Ratchets

Stock No.	Drive Size, inches (mm)	Torque Range, ft-lb (N•m)	Free Speed RPM	Air Consumption, Free Speed, CFM (SCFM) [l/min]	Vibration Level, m/s²	Sound Pressure Level, dB(A)	Length, inches (mm)	Weight, lb (kg)
AT705B †	1/2 (13)	5–50 (6–68)	150	3.0 (22) [85]	8.7	89	10.7 (273)	2.5 (1.14)
AT700F †	3/8 (10)	5–60 (6–81)	165	3.0 (22) [85]	8.7	89	10.1 (257)	2.5 (1.14)
FAR72C †	3/8 (10)	5–60 (7–61)	225	4.5 (32) [127]	5.3	93.6	11.8 (300)	3.1 (1.4)
FAR7200 †	3/8 (10)	5–70 (7–95) (open mode), 5–50 (7–67) (quiet mode)	260 (open mode), 200 (quiet mode)	4.5 (32) [127]	5.2	94.9 (open mode), 87.9 (quiet mode)	12.1 (308)	3.1 (1.4)
FAR7000 †	3/8 (10)	0–30 (0–41)	410	2.6 (18.6) [73.6]	9.0	91.4	11.2 (284.5)	2.08 (0.94)
FAR2505 †	3/8 (10)	0–35 (0–47)	225	1.7 (11) [48]	2.5	84	7.8 (198)	1.4 (.6)
FAR2500 †	1/4 (6)	0–35 (0–47)	225	1.7 (11) [48]	2.5	84	7.8 (197)	1.4 (.6)
FAR25A †	1/4 (6)	5–25 (7–28)	200	1.4 (10) [40]	0.5	87.4	6.7 (171)	1.3 (5
AT200D †	1/4 (6)	5–25 (6–34)	230	1.4 (10)[40]	3.3	85	8.7 (222)	1.1 (.50)
AT204A †	1/4 (6)	—	350	3.5 (25) [99]	3.6	94	5.12 (130)	1.05 (.48)

Drills

Stock No.	Chuck Size, inches (mm)	Rated Power, HP (kW)	Torque Range, in-lb (N•m)	Free Speed RPM	Air Consumption, Free Speed, CFM (SCFM) [l/min]	Vibration Level, m/s²	Sound Level dB(A) Pressure	Length, inches (mm)	Weight, lb (kg)
PDR5000A †	1/2 (13)	0.45 (.33)	0–300 (0–34)	450	3.8 (27) [108]	0.9	82.6	8.7 (222)	3 (1.3)
AT5000 †	1/2 (13)	0.45 (.33)	0–120 (0–14)	490	3.8 (27) [108]	<2.5	82	9 (229)	3.8 (1.7)
PDR3000A †	3/8 (10)	0.45 (.33)	0–50 (0–6.0)	2,500	3.5 (25) [99]	3.0	79.7	7 (178)	2.5 (1.1)
AT3000 †	3/8 (10)	0.45 (.33)	0–40 (0–4.5)	1,675	3.5 (25) [95]	<2.5	82	7.6 (194)	3.2 (1.4)
AT811 †	3/8 (10)	0.25 (.19)	0–55 (0–6)	1,320	3.4 (24) [95]	<.8	110	8.2 (208)	2.5 (1.1)
AT184 †	5/16 (8)	0.32 (.65)	—	0–1,000/ 0–1,800	8.4 (60) [238]	<1.0	84	7.9 (201)	3.1 (1.4)
AT801MCA †	1/4 (6)	0.25 (.19)	0–18 (0–2.0)	1,800	1.9 (13.6) [53.8]	<2.5	96.4	7.2 (183)	1.5 (0.68)

Hammers

Stock No.	Bore Diameter, inches (mm)	Blows Per Minute	Piston Stroke, inches (mm)	Shank Opening, inches (mm)	Air Consumption, Free Speed, CFM (SCFM) [l/min]	Vibration Level, m/s²	Sound Level dB(A) Pressure	Length, inches (mm)	Weight, lb (kg)
PH3050B †	3/4 (19)	2,500	3 (76)	0.401 (10.1)	1.8 (13) [51]	1.5	91.4	9.0 (228)	5.9 (2.7)
AT2050 †	3/4 (19)	3,400	2.75 (70)	0.401 (10.1)	2.5 (18) [71]	3.0	99	7.4 (187)	4.6 (2.1)

† CE

Die Grinders

Stock No.	Collet Size, inches	Rated Power, HP (kW)	Free Speed RPM	Air Consumption, Free Speed, CFM (SCFM) [l/min]	Vibration Level, m/s²	Sound Level dB(A) Pressure	Length, inches (mm)	Weight, lb (kg)
PT100A †	1/4	0.3 (.2)	20,000	1.7 (11) [48]	3.2	83.3	6.1 (155)	1 (0.4)
PT110A †	1/4	0.3 (.2)	25,000	1.7 (11) [48]	6.3	85.9	5.75 (146)	1.2 (0.5)
PT200A †	1/4	0.5 (.3)	22,000	3.2 (23) [90]	2	85.1	6.9 (175)	1.2 (0.5)
PT210A †	1/4	0.5 (.3)	20,000	3.2 (23) [90]	5.2	86	6.4 (162)	1.4 (.63)
PT200AL †	1/4	0.5 (.3)	22,000	3.2 (23) [90]	3	85.9	10.9 (276)	2.1 (.95)
PT400 †	1/4	1.0 (.6)	25,000	4.17 (30) [118]	2.1	84.7	7.5 (190)	1.5 (.68)
PT410 †	1/4	1.0 (.6)	12,000	4.17 (30) [118]	.78	81.8	7.5 (190)	2.0 (.91)
PT400L †	1/4	1.0 (.6)	23,000	4.17 (30) [118]	3.25	82.2	12.25 (311)	2.6 (1.1)
AT115 †	1/4	0.45 (.33)	22,000	4 (29) [113]	<2.5	95	6.5 (165)	1.3 (.61)
AT118 †	1/4	0.2 (.15)	20,000	4.0 (29) [113]	2.5	93	5.5 (140)	1.1 (.50)
AT105 †	1/4	0.45 (.33)	22,000	4 (29) [113]	<2.5	102	6.5 (165)	1.3 (.61)
AT109* †	1/4	0.2 (.15)	20,000	2.1 (15) [59]	2.5	93	5.5 (140)	1.1 (.50)
AT119 †	1/4	0.2 (.15)	20,000	3 (15) [59]	<6.92	100	6.81 (173)	1.1 (50)
AT116 †	1/4	0.2 (.15)	20,000	3 (15) [59]	3	100	6.5 (165)	1.1 (50)
AT120L †	1/4 (6.35 mm)	0.22 (.164)	23,000	3.0 (22)	1.83	77	11.02 (280)	1.45 (.66)
AT120LRA †	1/4 (6.35 mm)	0.45 (.335)	18,000	3.3 (24) [93.4]	1.83	79	11.25 (285)	1.63 (.74)
AT1070A †	1/8	—	75,000	1 (7) [28]	2.0	72	5.3 (135)	.55 (0.25)
AT1070RA †	1/8	—	75,000	1 (7) [28]	2.0	72	5.9 (150)	.46 (0.21)

*See p.485 for AT109DGK Die Grinder Kit specifications.

† CE

Grinders

Stock No.	Wheel Size, inches (mm)	Rated Power, HP (kW)	Free Speed RPM	Air Consumption, Free Speed, CFM (SCFM) [l/min]	Vibration Level, m/s²	Sound Level dB(A) Pressure	Length, inches (mm)	Weight, lb (kg)
PT450 †	4 1/2 (114)	1.0	12,000	4.17 (30) [118]	8.9	86.3	9 (229)	3.25 (1.47)
AT415B* †	4 1/2 (114)	0.86 (.64)	12,000	3.2 (23) [91]	5.1	87	10 (254)	4.2 (1.9)

*Blue-Point®

Cutting Tools

Stock No.	Wheel Size, inches (mm)	Rated Power, hp (kW)	Free Speed RPM	Air Consumption, Free Speed, CFM (SCFM) [l/min]	Vibration Level, m/s²	Sound Level dB(A) Pressure	Length, inches (mm)	Weight, lb (kg)
PT250A †	3 (76)	0.5 (.37)	22,000	3.2 (23) [90]	6	86.1	7.2 (183)	1.6 (.73)
PT430 †	3 (76)	1.0 (0.75)	25,000	4.17 (30) [118]	6.92	87	7.5 (190)	1.9 (.86)
PT490 †	4 (102)	1.0 (0.75)	12,000	4.17 (30) [118]	3.41	87.8	9.3 (236)	3.5 (1.6)
AT154RA* †	4 (102)	0.7 (0.5)	13,000	3.1 (22) [87]	3.07	85	14.3 (365)	3.3 (1.5)
AT157R* †	3 (76)	0.45 (.33)	20,000	3.5 (25) [99]	<3.8	100	7.3 (185)	1.9 (.86)
AT153 †	3 (76)	0.5 (0.37)	17,000	3.5 (24) [99.1]	<2.86	85	7.3 (185)	3.3 (1.5)

*Blue-Point

Air Saws

Stock No.	Free Speed SPM	Air Consumption, Free Speed, CFM (SCFM) [l/min]	Vibration Level, m/s²	Sound Level dB(A) Pressure	Length, inches (mm)	Weight, lb (kg)
PTS500 †	9,500	1.1 (8.5) [33.9]	3.68	90.7	7.8 (198)	1 (0.45)
PTS1000 †	10,000	1.0 (8.5) [33.9]	2.99	87.1	9.4 (238)	1.5 (0.69)
AT192A †	11,000	1.0 (7) [28]	10.1	82.0	9.3 (235)	1.75 (0.80)
AT194A †	8,250	0.7 (5) [20]	<6.6	87	6.7 (175)	1 (0.45)

† CE

Finishing Tools

Stock No.	Pad Size, inches (mm)	Style	Rated Power, HP (kW)	Free Speed RPM	Spindle Thread, inches	Air Consumption, Free Speed, CFM (SCFM) [l/min]	Vibration Level, m/s²	Sound Level dB(A) Pressure	Length, inches (mm)	Weight, lb (kg)
PS4512 †	5 (127)	Orbital	0.25 (.19)	12,000	5/16–24	2 (14) [57]	2.3	75.3	5 (127)	1.7 (0.77)
PS4612 †	6 (152)	Orbital	0.25 (.19)	12,000	5/16–24	2 (14) [57]	2.3	75.3	6 (152)	2.5 (1.14)
PSF4612 †	6 (152)	Orbital Finishing	0.25 (.19)	12,000	5/16–24	2 (14) [57]	2.1	74.9	6 (152)	2.4 (1.11)
PSF4312 †	3 (76)	Orbital Finishing	0.25 (.19)	12,000	1/4–20	2 (14) [57]	2.1	74.9	3 (76)	1.44 (0.65)
PS4609 †	6 (152)	Geared (NV)	0.42 (.33)	1,000	3/8	3 (21.7) [85]	5.9	80	11 (281)	3.7 (1.70)
PS4609V	6 (152)	Geared (V)	0.42 (.33)	1,000	3/8	3 (21.7) [85]	5.9	80	11 (281)	3.7 (1.70)
PS4809 †	8 (203)	Geared (NV)	0.42 (.33)	1,000	3/8	3 (21.7) [85]	5.9	80	11 (281)	4 (1.82)
PS4809V	8 (203)	Geared (V)	0.42 (.33)	1,000	3/8	3 (21.7) [85]	5.9	80	11 (281)	4 (1.82)
AT408 †	8 (203)	Geared (NV)	0.5 (.37)	850	5/16–24	5 (36) [142]	3.7	87	11 (281)	4.8 (2.18)
AT411A †	6 (152)	Dual Action	0.5 (.37)	10,000	5/16–18 UNC	5 (36) [142]	3.7	79	8 (203)	4.7 (2.14)
AT425R †	5 (127)	Reversible Hi-speed	0.45 (.33)	13,000	7/16–20 UNC	4.3 (31) [122]	<0.8	93	5.3 (135)	2.8 (1.28)
AT406C	6 (152)	Orbital	0.25 (.19)	12,000	5/16–24	2.5 (18) [71]	2.8	85	8.6 (21.9)	1.5 (0.7)
AT475A †	2 3/4 x 17 1/2	Inline	—	1,800	—	2.3 (17) [65]	14.9	87	16 (406)	6.8 (3.09)
AT401MCA †	3 (76)	Micro Surface Prep	0.25 (.19)	15,000	1/4–20	2.1 (15) [59]	<2.5	84	4.7 (119)	0.97 (0.44)
AT402MCA †	3 (76)	Micro Sander	0.25 (.19)	15,000	5/16–24 UNF	2.1 (15) [59]	<2.5	84	5.2 (133)	1.1 (.50)
AT403MCA †	3 (76.2)	Micro Polisher	0.25 (.19)	6,000	5/16–24 UNF	2.2 (16) [62]	<2.5	86	5.6 (143)	1.3 (0.60)
AT450CP †	7 (177)	Vertical Polisher	0.5 (.37)	2,500	5/8–11	3.31 (23.8) [93.72]	<2.5	87	15 (381)	5 (2.27)
PT280THUGA †	—	Material Removal Tool	0.45 (.33)	3,500	—	4 (28) [113]	2.8	85	12 (304)	2.4 (1.09)

† CE

⚠WARNING



• Read and follow safety messages for each type of Air Tool on the following pages and the safety precautions on pages W1 to W4

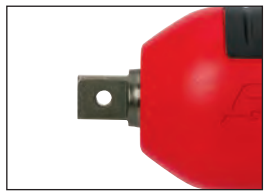
AIR: 1", 3/4" DRIVE IMPACT WRENCHES



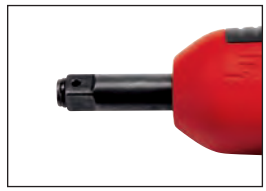
IM1800



MG1250



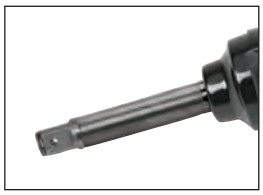
Thru-Hole Anvil (P)



3" Long Anvil (L)



6" Extra Long Anvil (XL)



6" Long Anvil (L)

Super Duty Air Impact Wrenches

IM1800 Series 1" Drive

- Convenient D-handle and side handle for less user fatigue
- Lightweight aluminum housing and nose for better balance
- Standard and long anvils are thru-hole design for positive socket retention
- Three-position speed control and full power reverse have more control when tightening or removing fasteners
- Twin hammer mechanism is durable and hard hitting
- Sealed in oil bath lubrication keeps impact mechanism lubricated for less wear and longer tool life

MG1250 Series 3/4" Square Drive

- One piece magnesium housing assures precision alignment of components and reduces vibration
- Continuous oil-bath lubrication reduces wear and increases life
- Twin-hammer mechanism delivers hard-hitting blows with fewer moving parts for longer tool life
- Six-vane rotor delivers maximum torque and speed to remove stubborn fasteners
- Cushion-grip variable-speed trigger reduces user fatigue
- Balanced design distributes weight evenly to increase control
- Anvil stops with release of the trigger to prevent throwing fasteners
- One-hand reverse button for easy operation

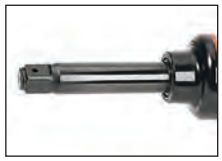
Specifications	IM1800 †	IM1800L †	MG1250 †	MG1250L †	MG1250XL †	MG1250P †
Drive Size, inches (mm)	1 (25)	1 (25)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
Max. Torque, ft-lb (N•m)	1,800 (2,440)	1,800 (2,440)	1,250 (1,694)	1,250 (1,694)	1,250 (1,694)	1,250 (1,694)
Free Speed RPM	5,500	5,500	6,200	6,200	6,200	6,200
Blows Per Minute	900	900	1,050	1,050	1,050	1,050
Extended Anvil Length, inches (mm)	—	6 (152)	—	3 (76)	6 (152)	—
Anvil Type	Friction Ring w/ Thru Hole	Thru Hole	Friction Ring	Friction Ring w/ Thru Hole	Friction Ring w/ Thru Hole	Thru Hole
Air Consumption, Free Speed, CFM (SCFM) [l/min]	8.6 (62) [244]	8.6 (62) [244]	6.4 (46) [181]	6.4 (46) [181]	6.4 (46) [181]	6.4 (46) [181]
Air Inlet Thread Size	1/2"-14 NPT	1/2"-14 NPT	3/8"-18 NPT	3/8"-18 NPT	3/8"-18 NPT	3/8"-18 NPT
Recommended Hose Size, inches (mm)	1/2" (13)	1/2" (13)	3/8" (10)	3/8" (10)	3/8" (10)	3/8" (10)
Vibration Level, m/s²	8.6	8.6	10.38	10.38	10.38	10.38
Sound Level dB(A) Pressure	104	104	99.8	99.8	99.8	99.8
Length, inches (mm)	14 (356)	20 (508)	8 (203)	10.5 (266)	14.5 (368)	8 (203)
Weight, lb (kg)	15.2 (7)	16 (7.3)	8.1 (3.7)	8.6 (3.99)	9.5 (4.1)	8.1 (3.6)
Vinyl Boot (included)	—	—	MG1200BOOT	MG1200BOOT	MG1200BOOT	MG1200BOOT

Impact wrench suffix: P = Pinned anvil, L = Long anvil, XL = Extra long anvil. Standard anvil for applications where frequent socket change is required. Pinned anvil for high torque applications where socket security is a priority. Long or Extra long anvil for tight applications that require extra reach.

† CE



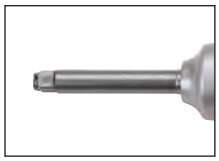
AT1300A



6" Long Anvil (L)



AT670



6" Long Anvil (L)

Heavy Duty Air Impact Wrenches

AT1300A Series 1" Drive

- Workhorse performance for use on trucks, buses and heavy equipment
- Steel nose for rugged, demanding applications
- Pin clutch style impact mechanism for fast startup and high torque requirements
- Thru-hole anvil

AT670 Series 3/4" Drive

- Lightweight composite housing with aluminum nose
- Three-position thumb operated forward/reverse lever
- Bottom handle exhaust
- Twin hammer mechanism

Specifications	AT1300A †	AT1300AL †	AT670 †	AT670L †
Drive Size, inches (mm)	1 (25)	1 (25)	3/4 (19)	3/4 (19)
Max. Torque, ft-lb (N•m)	3,000 (4,067)	2,700 (3,661)	1,050 (1,423)	1,050 (1,423)
Free Speed RPM	4,000	4,000	6,700 (F), 6,900 (R)	6,700 (F), 6,900 (R)
Blows Per Minute	505	505	1,050	1,050
Extended Anvil Length, inches (mm)	—	6 (152)	—	6 (152)
Anvil Type	Friction Ring w/ Thru Hole	Friction Ring w/ Thru Hole	Friction Ring	Friction Ring
Air Consumption, Free Speed, CFM (SCFM) [l/min]	5.3 (38) [150]	5.3 (38) [150]	5.6 (40) [159]	5.6 (40) [159]
Air Inlet Thread Size	1/2"-14 NPT	1/2"-14 NPT	3/8"-18 NPT	3/8"-18 NPT
Recommended Hose Size, inches (mm)	1/2" (13) ID min.	1/2" (13) ID min.	3/8" (10) ID min.	3/8" (10) ID min.
Vibration Level, m/s²	4.4	4.4	2.44	2.44
Sound Level dB(A) Pressure	103	103	99	99
Length, inches (mm)	21 (533)	27 (686)	8.5 (215)	13.5 (343)
Weight, lb (kg)	25.6 (11.6)	28 (12.7)	7.5 (3.44)	8.8 (4)
Vinyl Boot (included)	—	—	—	—

Impact wrench suffix: L = Long anvil. Standard anvil for applications where frequent socket change is required. Long anvil for tight applications that require extra reach.

† CE

WARNING

- Use only impact sockets and accessories with impact wrenches
- Read safety precautions on pages W1 to W4

AIR: 1/2" DRIVE IMPACT WRENCHES



Pinned Anvil (P)



3" Long Anvil (L)



MG725G



MG725O



MG725

1/2" Drive Super Duty

Specifications	MG725 †	MG725L †	MG725P †
Drive Size, inches (mm)	1/2 (13)	1/2 (13)	1/2 (13)
Max. Torque, ft-lb (N•m)	810 (1,098)	810 (1,098)	810 (1,098)
Free Speed RPM	9,800	9,800	9,800
Blows Per Minute	1,270	1,270	1,270
Extended Anvil Length, inches (mm)	—	3 (76)	—
Anvil Type	Friction Ring	Friction Ring	Pinned
Air Consumption, Free Speed, CFM (SCFM) [l/min]	5.2 (37) [147]	5.2 (37) [147]	5.2 (37) [147]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)	3/8 (10)	3/8 (10)
Vibration Level, m/s²	5.1	5.1	5.1
Sound Level dB(A) Pressure	102.5	102.5	102.5
Length, inches (mm)	7.7 (194)	9.7 (245)	7.7 (194)
Weight, lb (kg)	4.8 (2.2)	5.0 (2.3)	4.8 (2.2)
Vinyl Boot (included)	MG725BOOT	MG725BOOT	MG725BOOT
Color Option: Green	MG725G†	—	—
Color Option: Orange	MG725O†	—	—

Impact wrench suffix: P = Pinned anvil, L = Long anvil, XL = Extra long anvil. Standard anvil for applications where frequent socket change is required. Pinned anvil for high-torque applications where socket security is a priority. Long or extra long anvil for tight applications that require extra reach.

† CE

MG725 Series 1/2" Drive Impact Wrench

- One-piece machined magnesium housing is extremely durable, lightweight and provides alignment of internal parts to reduce vibration
- Eight-vane rotor provides fast motor startup and greater performance with more torque
- Patented cushion grip helps insulate user's hand from cold and reduces vibration to reduce user fatigue
- Patented tip valve trigger provides increased air flow and greater tool control
- Twin-hammer impact mechanism is durable and hard hitting to quickly remove stubborn fasteners
- Sealed-in oil-bath lubrication keeps impact mechanism lubricated for less wear
- Slim-style nose is ideal for working in restricted access areas
- Anvil stops with release of the trigger to prevent throwing of fasteners
- Cushion-grip trigger button delivers improved comfort and control

1/2" DRIVE IMPACT WRENCHES Blue-Point®



AT5500

AT570

Heavy Duty

Specifications	AT5500 †	AT570 †
Drive Size, inches (mm)	1/2 (13)	1/2 (13)
Max. Torque, ft-lb (N•m)	550 (745)	570 (773)
Free Speed RPM	7,400	6,900 (F); 7,000 (R)
Blows Per Minute	1,200	1,050
Anvil Type	Friction Ring	Friction Ring
Air Consumption, Free Speed, CFM (SCFM) [l/min]	4.2 (30) [118.9]	5.0 (36) [142] (F); 5.3 (38) [150] (R)
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)	3/8 (10)
Vibration Level, m/s²	4.0	6.08
Sound Level dB(A) Pressure	94	95
Length, inches (mm)	7.9 (20)	7.24 (184)
Weight, lb (kg)	6.4 (2.9)	4.08 (1.87)
Vinyl Boot (included)	AT5500BOOT	AT570BOOT

† CE

AT5500 1/2" Drive Impact Wrench

- 550 ft-lb of torque, 7,400 RPM, 1,200 blows per minute
- Built-in five-position adjustable air regulator plus a variable speed trigger for maximum user control
- Tapered nose increases accessibility to confined areas
- Ball-bearing mounted motor creates a smooth running operation for longer tool life
- One-piece aluminum housing provides a durable tool
- Twin-hammer impact mechanism designed to hit hard yet offer tool longevity
- Inlet filter screens out dirt and grit; easy-to-remove filter for cleaning
- One-year limited warranty
- EU/CE – DE, ES, FR, IT, NL, UK (all models)

AT570 1/2" Drive Impact Wrench

- Use on automotive and truck fasteners
- Shot peen anvils for improved durability
- Reverse Bias motor provides additional breakaway torque
- Three-position regulator to control power
- One-handed forward/reverse lever for user convenience
- Composite housing with aluminum nose combine to deliver a durable, lightweight and balanced unit
- Twin hammer impact mechanism delivers hard-hitting blows to quickly remove stubborn fasteners



MG325

MG325G

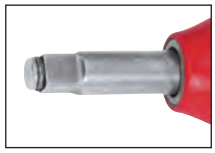
MG325O



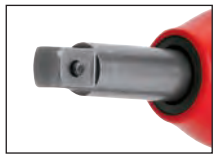
MG3255



Pinned Anvil (P)



2" Long Anvil (L)



2" Long Pinned Anvil (LP)

1/2", 3/8" Drive Super Duty

Specifications	MG325 †	MG325P †	MG3255 †	MG3255L †	MG3255P †	MG3255LP †
Drive Size, inches (mm)	3/8 (10)	3/8 (10)	1/2 (13)	1/2 (13)	1/2 (13)	1/2 (13)
Max. Torque, ft-lb (N•m)	325 (440)	325 (440)	325 (440)	325 (440)	325 (440)	325 (440)
Free Speed RPM	10,700	10,700	10,700	10,700	10,700	10,700
Blows Per Minute	1,400	1,400	1,400	1,400	1,400	1,400
Extended Anvil Length, inches (mm)	—	—	—	2 (76)	—	2 (76)
Anvil Type	Friction Ring	Pinned	Friction Ring	Friction Ring	Pinned	Pinned
Air Consumption, Free Speed, CFM (SCFM) [l/min]	4 (28) [113]	4 (28) [113]	4 (28) [113]	4 (28) [113]	4 (28) [113]	4 (28) [113]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	4.5	4.5	4.5	4.5	4.5	4.5
Vibration Level, m/s²	4.5	4.5	4.5	4.5	4.5	4.5
Sound Level dB(A) Pressure	99.1	99.1	99.1	99.1	99.1	99.1
Length, inches (mm)	6.1 (155)	6.1 (155)	6.1 (155)	7.6 (193)	6.4 (162)	7.6 (193)
Weight, lb (kg)	2.8 (1.3)	2.8 (1.3)	2.8 (1.3)	2.9 (1.3)	2.8 (1.3)	2.9 (1.3)
Vinyl Boot (included)	MG325BOOT	MG325BOOT	MG325BOOT	MG325BOOT	MG325BOOT	MG325BOOT
Color Option: Green	MG325G†	—	—	—	—	—
Color Option: Orange	MG325O†	—	—	—	—	—

Impact wrench suffix: P = Pinned anvil, L = Long anvil, LP= Long pinned anvil. Standard anvil for applications where frequent socket change is required. Pinned anvil for high torque applications where socket security is a priority. Long anvil for tight applications that require extra reach.

† CE

MG325 3/8" Drive Impact Wrench

- One-piece magnesium housing for precise internal component alignment to reduce vibration
- Twin hammer impact mechanism delivers hard-hitting blows with fewer moving parts to quickly remove stubborn fasteners
- Continuous oil bath lubrication prolongs tool life by reducing premature component wear
- Eight-vane motor delivers maximum speed and torque
- Lightweight, balanced design distributes weight evenly to reduce user fatigue
- One-handed forward/reverse lever for user convenience
- Cushion grip handle insulates user's hand from cold and absorbs vibration
- Comfort cushion trigger button allows the user to work comfortably with less finger stress
- Anvil stop feature means anvil will stop when trigger is released to avoid throwing fasteners

MG3255 1/2" Drive Impact Wrench

- Same features as MG325, except for a 1/2" drive anvil
- Compact, yet powerful, 1/2" model is ideal for working in confined areas

⚠WARNING

- Use only impact sockets and accessories with impact wrenches
- Read safety precautions on pages W1 to W4

AIR: 3/8", 1/4" DRIVE IMPACT WRENCHES Blue-Point®



AT380A



AT370



AT351



AT235MCA

3/8", 1/4" Drive Impact Wrenches

Specifications	AT380A	AT370 †	AT351 †	AT235MCA †
Drive Size, inches (mm)	3/8 (10)	3/8 (10)	3/8 (10)	1/4 (6)
Max. Torque, ft-lb (N•m)	175 (230)	320 (434)	175 (237)	25 (34)
Free Speed RPM	8,700	10,000 (F), 11,000 (R)	9,700	13,000
Blows Per Minute	1,680	1,050	1,200	2,900
Air Consumption, Free Speed, CFM (SCFM) [l/min]	3.9 (28) [111]	4.4 (326) [125] (F), 4.7 (34) [133] (R)	2.5 (18) [71]	1.67 (12) [47]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8" (10)	3/8" (10)	3/8" (10) ID min.	3/8" (10) ID min.
Vibration Level, m/s²	3.5	3.25	3.09	<2.5
Sound Level dBa Pressure	94	92	96.6	95.1
Length, inches (mm)	6.5 (165)	6.3 (160)	7.6 (194)	6.2 (158)
Weight, lb (kg)	3.0 (1.36)	2.62 (1.19)	2.5 (1.2)	1.4 (.64)
Vinyl Boot (included)	AT380ABOOT	AT370BOOT	—	—

† CE

AT380A 3/8" Drive Impact Wrench
- Built-in five-position adjustable air regulator plus a variable speed trigger for maximum user control
- Aluminum housing provides a lightweight yet durable tool
- Tapered nose increases accessibility to confined areas
- Ball-bearing mounted motor creates a smooth running operation for less user fatigue
- Brass inlet filter screens out dirt and grit; easy-to-remove filter for cleaning
- Twin-hammer impact mechanism designed to hit hard yet offer tool longevity
- One-year limited warranty
- EU/CE – DE, ES, FR,GB, IT, NL

AT370 3/8" Drive Impact Wrench
- Use on automotive and truck fasteners
- Shot peened anvils for improved durability
- Reverse Bias motor provides additional breakaway torque
- Three-position regulator to control power
- One-handed forward/reverse lever for convenient use
- Composite housing with aluminum nose combine to deliver a durable, lightweight and balanced unit
- Twin hammer impact mechanism delivers hard-hitting blows to quickly remove stubborn fasteners

AT351 3/8" Drive Impact Wrench
- Built-in air inlet swivel
- Eight-position power regulator
- Rotary action air motor is ball bearing-mounted for balance, speed and power
- Ideal tool for small engine repair and bench work

AT235MCA 1/4" Drive Micro Impact Wrench
- Fast speed
- Lightweight composite housing with molded comfort grip
- Convenient one-handed forward/reverse lever
- Oversized trigger with variable speed



FAR7200



FAR72C



FAR7000



FAR2505



FAR2500

Air Ratchets

Specifications	FAR7200 †	FAR72C †	FAR7000	FAR2505 †	FAR2500 †
Drive Size, inches (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	1/4 (6)
Max. Torque, ft-lb (N•m)	5–70 (7–95) (open mode), 5–50 (7–67) (quiet mode)	5–60 (7–61)	0–30 (0–41)	0–35 (0–47)	0–35 (0–47)
Free Speed RPM	260 (open mode), 200 (quiet mode)	225	410	225	225
Air Consumption, Free Speed, CFM (SCFM) [l/min]	4.5 (32) [127]	4.5 (32) [127]	2.6 (18.6) [73.6]	1.7 (11) [48]	1.7 (11) [48]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8" (10)	3/8" (10)	3/8" (10)	3/8" (10)	3/8" (10)
Vibration Level, m/s²	5.2	5.3	9.04	2.5	2.5
Sound Level dB(A) Pressure	94.9 (open mode), 87.9 (quiet mode)	93.6	91.4	84	84
Length, inches (mm)	12.1 (308)	11.8 (300)	11.2 (284.5)	7.8 (198)	7.8 (197)
Weight, lb (kg)	3.1 (1.4)	3.1 (1.4)	2.08 (0.94)	1.4 (.6)	1.4 (.6)
Vinyl Boot	YA889 (included)	YA889 (included)	FAR7000BOOT (included)	YA905 (included)	YA905 (included)

† CE

FAR7200 3/8" Drive Ratchet
- Muffler bypass allows tool to be used in quiet mode or full power
- Tip valve style trigger is easy to feather for greater control
- Cushion grip handle for added comfort and control
- Heavy duty motor and crank add durability to handle torque loads
- Steel wear bushings to prevent ratchet head wear
- Large selector knob is easy to turn with greasy hands to change direction

FAR72C 3/8" Drive Ratchet
- Dual pawls for reduced vibration
- Steel wear bushings to prevent ratchet head wear
- Adjustable exhaust directs airflow away from work area
- "Stop lock" pins prevent ratchet pawl lockup
- Easy access zerk fitting allows ratchet head lubrication for longer tool life
- Lightweight aluminum handle provides a sure grip for easy control

FAR7000 3/8" Drive Ratchet
- FAST – 410 RPM free speed for fast removal/installation
- Slim drive head combined with a long reach – 11.2" overall length – makes getting into tight spots easy
- Adjustable exhaust deflector directs exhaust away from the work area
- Lightweight – just 2.08 lb combined with the ergonomic comfort grip handle reduces fatigue
- Maximum torque of 30 ft-lb will not strip threads
- CE – DE, ES, FR, IT, NL, UK

FAR2500 1/4" Drive and FAR2505 3/8" Drive Mini Ratchets
- Balanced lightweight housing weighing 1.4 lb for superior control with less user fatigue
- Soft grip handle with increased comfort and reduced vibration. Insulates against cold
- Large lightweight selector knob, easy to turn with greasy hands, easy to reverse direction
- Robust head design for maximum strength and durability, will not separate for longer tool life
- All ball bearing construction and high strength alloy steel gear system that's dependable and durable

⚠WARNING

- Use only impact sockets and accessories with impact wrenches
- Read safety precautions on pages W1 to W4

AIR: 1/2", 3/8", 1/4" DRIVE RATCHETS



FAR25A

1/4" Drive Air Ratchet

Specifications	FAR25A †
Drive Size, inches (mm)	1/4 (6)
Torque Range, ft-lb (N•m)	5–25 (7–28)
Free Speed RPM	200
Air Consumption, Free Speed, CFM (SCFM) [l/min]	1.4 (10) [40]
Air Inlet Thread Size	1/4"-18 NPT
Recommended Hose Size, inches (mm)	5/16" (7.93)
Vibration Level, m/s²	0.5
Sound Level dB(A) Pressure	87.4
Length, inches (mm)	6.7 (171)
Weight, lb (kg)	1.3 (5)
Vinyl Boot (included)	YA888

† CE

FAR25A 1/4" Drive Ratchet
- Lightweight clamshell housing easily accesses restricted areas
- Needle bearing supported drive shaft provides a smooth running tool
- Ergonomic handle design provides a sure grip and reduces fatigue
- Paddle style variable speed trigger is spring loaded for easy control
- Directional muffler rotates exhaust away from the user
- Air motor vanes resist wear, chipping, cracking and moisture

AIR: 1/2", 3/8", 1/4" DRIVE RATCHETS Blue-Point®



AT705B



AT700F



AT200D



AT204A

Air Ratchets

Specifications	AT705B †	AT700F †	AT200D †	AT204A †
Drive Size, inches (mm)	1/2 (13)	3/8 (10)	1/4 (6)	1/4 (6)
Torque Range, ft lb (N•m)	5–50 (6–68)	5–60 (6–81)	5–25 (6–34)	30 ft lbs Max
3Free Speed RPM	150	165	230	350
Air Consumption, Free Speed, CFM (SCFM) [l/min]	3.0 (22) [85]	3.0 (22) [85]	1.4 (10) [40]	3.5 (25) [99]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10) ID Min.	3/8 (10) ID Min.	3/8 (10)	5/16 (8)
Vibration Level, m/s²	8.7	8.7	3.3	3.6
Sound Level dB(A) Pressure	89	89	85	94
Length, inches (mm)	10.7 (273)	10.1 (257)	8.7 (222)	5.12 (130)
Weight, lb (kg)	2.5 (1.14)	2.5 (1.14)	1.1 (.50)	1.05 (.48)
Vinyl Boot (included)	AT700E49A	AT700E49A	AT200D22A	AT238-36

† CE

AT705B 1/2" Drive Ratchet
- 1/2" drive ratchet in a 3/8" drive body
- Ball bearing mounted motor for longer tool life

AT700F 3/8" Drive Ratchet
- Lightweight aluminum housing
- Rugged ball bearing-mounted air motor and precision planetary gear system
- Easy-to-use variable speed throttle plus adjustable air regulator

AT200D 1/4" Drive Ratchet
- Lightweight aluminum housing
- Rugged ball bearing-mounted air motor and precision planetary gear system

AT204A 1/4" Drive Mini Air Ratchet
- Ideal for working in tight quarters
- Head clearance is less than 3/4"
- Includes variable speed trigger, adjustable air regulator and 5' nylon braided whip hose for maneuverability and control
- Composite housing provides strength and durability



PDR5000A



PDR3000A

1/2" and 3/8" Capacity Drills

Specifications	PDR5000A †	PDR3000A †
Chuck Size, inches (mm)	1/2 (13)	3/8 (10)
Rated Power, HP (kW)	0.45 (.33)	0.45 (.33)
Torque Range, in-lb (N•m)	0–300 (0–34)	0–50 (0–6.0)
Free Speed RPM	450	2,500
Spindle Thread, inches	1/2-20 UNF	3/8-24 UNF
Air Consumption, Average, CFM (SCFM) [l/min]	3.8 (27) [108]	3.5 (25) [99]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)	3/8 (10)
Vibration Level, m/s²	0.9	3.0
Sound Level dB(A) Pressure	82.6	79.7
Length, inches (mm)	8.7 (222)	7 (178)
Weight, lb (kg)	3 (1.3)	2.5 (1.1)
Auxiliary Handle	PDR5000-40A	—
Chuck Key	30429	30002
Keyless Chuck (optional)	PDR5000-2	PDR3A-2

† CE

PDR5000A 1/2" Reversible Drill

- Five-vane air motor delivers high torque power for added durability
- Three-planet industrial strength gear train provides durability for heavy duty applications
- Precise .0025" chuck run-out for precision drilling
- Includes side handle for added control in high torque drilling applications

PDR3000A 3/8" Reversible Drill

- Top mounted forward/reverse switch allows one-hand operation
- Internal ball bearing construction for smooth operation
- Insulated cushion grip to reduce cold and vibration
- Variable speed trigger for added control



AT184

Spotweld Drill

Specifications	AT184 †
Chuck Size, inches (mm)	5/16 (8)
Rated Power, HP (kW)	0.32 (0.65)
Torque Range, in-lb (N•m)	—
Free Speed RPM	0–1,000/0–1,800
Air Consumption, Free Speed, CFM (SCFM) [l/min]	8.4 (60) [238]
Air Inlet Thread Size	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)
Vibration Level, m/s²	<1.0
Sound Level dB(A) Pressure	84
Length, inches (mm)	7.9 (201)
Weight, lb (kg)	3.1 (1.4)
Spotweld Drill Bit (8 mm) (included)	AT183-50
Spotweld Drill Bit (6.5 mm) (optional)	AT183-43
Spotweld Drill Bit (10 mm) (optional)	AT183-51
Support Arm 5.5 (optional)	AT184-26A

† CE

AT184 Spotweld Drill (Blue-Point®)

- Twist depth control collar allows precise setting of drilling depth up to 1/4"
- Two-speed trigger for low or high speeds
- Includes (1) 5/16" (8 mm) drill bit and removeable clamp arm

WARNING

• Read safety precautions on pages W1 to W4

AIR: 1/4", 3/8", 1/2" CAPACITY DRILLS Blue-Point®



AT5000



AT3000



AT811



AT801MCA

1/4", 3/8" and 1/2" Capacity Drills

Specifications	AT5000 †	AT3000 †	AT811 †	AT801MCA
Chuck Size, inches (mm)	1/2 (13)	3/8 (10)	3/8 (10)	1/4 (6)
Rated Power, HP (kW)	0.45 (.33)	0.45 (.33)	0.25 (.19)	0.25 (.19)
Torque Range, in-lb (N•m)	0–120 (0–14)	0–40 (0–4.5)	0–55 (0–6)	0–18 (0–2.0)
Free Speed RPM	490	1,675	1,320	1,800
Spindle Thread, inches	1/2"-20 UNF	3/8"-24 UNF	3/8"-24 UNF	3/8"-24 UNF
Air Consumption, Average, CFM (SCFM) [l/min]	3.8 (27) [108]	3.5 (25) [95]	3.4 (24) [95]	1.9 (13.6) [53.8]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)	3/8 (10)	3/8 (10) ID Min.	3/8 (10) ID min.
Vibration Level, m/s²	<2.5	<2.5	<.8	<2.5
Sound Level dB(A) Pressure	82	82	110	96.4
Length, inches (mm)	9 (229)	7.6 (194)	8.2 (208)	7.2 (183)
Weight, lb (kg)	3.8 (1.7)	3.2 (1.4)	2.5 (1.1)	1.5 (0.68)
Auxiliary Handle	PDAH1A	—	—	—
Vinyl Boot (optional)	AT5000BOOT	AT3000BOOT	—	—

† CE

AT5000 1/2" Reversible Drill
- Chuck key conveniently stores in handle
- Variable speed trigger
- Convenient, one-hand forward/reverse operation
- Bottom handle exhaust directs exhaust away from the work

AT3000 3/8" Reversible Drill
- Convenient, one-hand forward/reverse operation
- Bottom handle diffused exhaust
- Comfort grip handle
- Keyless chuck

AT811 3/8" Angle Drill
- Convenient, one-hand push button forward/reverse
- Rear exhaust keeps air away from the work area
- Ball bearing construction for longer tool life

AT801MCA 1/4" Micro Drill
- Small size ideal for working in confined areas
- Durable composite housing stands up to rugged use
- Reverse lever conveniently positioned for one-hand operation
- Oversize variable speed trigger



PH3050B



AT2050

Super and Heavy Duty Hammers

Specifications	PH3050B †	AT2050 †
Bore Diameter, inches (mm)	3/4 (19)	3/4 (19)
Blows Per Minute	2,500	3,400
Piston Stroke, inches (mm)	3 (76)	2.75 (70)
Shank Opening, inches (mm)	0.401 (10.1)	0.401 (10.1)
Air Consumption, Free Speed, CFM (SCFM) [l/min]	2.1 (14) [59]	2.5 (18) [71]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	5/16" (8)	5/16" (8)
Vibration Level, m/s²	2.8	3.0
Sound Level dB(A) Pressure	91.4	99
Length, inches (mm)	9.0 (228)	7.4 (187)
Weight, lb (kg)	5.9 (2.7)	4.6 (2.1)
Vinyl Boot (optional)	PH3050BOOT	AT2050BOOT

† CE

PH3050B Super Duty Hammer
- Dual elastomer cushions absorb shock and vibration to reduce user fatigue
- Phenolic (Kevlar® reinforced) flutter disc provides long life
- Direct multi-port front exhaust keeps air and debris away from user
- High grade steel barrel provides greater strength
- Variable speed soft-touch trigger provides featherability for greater control
- Four-position built-in air regulator varies power for different applications
- Air line screen helps prevent foreign particles from clogging trigger mechanism
- Hardened steel piston delivers harder blows for maximum impact
- Includes PH200D Quick Change Chuck Retainer

AT2050 Heavy Duty Hammer (Blue-Point®)
- Variable speed trigger with built-in speed regulator
- Quick change chuck makes bit changing easy
- Comfort grip handle for less user fatigue
- Hard hitting to get the job done quicker

PH3050BCH4† Super Duty Set

Includes:

Stock No.	Description
PH3050B	Super-Duty Air Hammer
PH200D	Retainer Chuck
PHG55A	Flat Chisel, 3/4" Wide
PHG57A	Double-Blade Panel Cutter, 3/4" Wide
PHG59A	Taper Punch, 3/16" Tip
PHG87A	Muffler Cutter, 17/32" Wide
PB1D	Carrying Case



PH3050BCH4

PH200D Universal Quick Change Chuck Retainer
- Use for fast and easy insertion/removal of air hammer bits
- Non-turning insert design reduces wear for longer tool life
- Constructed from high grade steel; insert is constructed from durable polyurethane elastomer
- Universal design fits most air hammers
- Knurled collar provides a solid gripping surface, even with greasy hands



PH200D

⚠WARNING

- Use air hammer accessories only for intended purpose, replace when worn or broken
- Read safety precautions on pages W1 to W4

AIR: DIE GRINDERS


PT100A


PT110A


PT200A


PT210A


PT200AL

PT100 and 200 Series Die Grinders

- Ergonomic handle is contoured to fit comfortably in the hand as well as absorb vibration
- Adjustable rear exhaust outlet allows adjustment of exhaust away from the work area while keeping material removal away from operator's face
- Thermally balanced air motor acts as internal cooling system to protect moving parts, efficiently routing air to control surface temperature of tool
- Built-in ten-position power/speed regulator precisely matches tool speed to job requirements
- Easy bit changing using standard wrenches
- Safety style variable speed paddle trigger helps prevent accidental starting of tool
- Low dB(A) rating reduces fatigue from noise
- Dual taper collet system for improved bit retention

Straight, Angle Head and Extended Shaft – 1/4" Collet

	Mini Series		Standard Series		
Specifications	**PT100A †**	**PT110A †**	**PT200A †**	**PT210A †**	**PT200AL †**
Collet Size, inches	1/4	1/4	1/4	1/4	1/4
Rated Power, HP (kW)	0.3 (.2)	0.3 (.2)	0.5 (.3)	0.5 (.3)	0.5 (.3)
Free Speed RPM	20,000	25,000	22,000	20,000	22,000
Air Consumption, Free Speed, CFM (SCFM) [l/min]	1.7 (11) [48]	1.7 (11) [48]	3.2 (23) [90]	3.2 (23) [90]	3.2 (23) [90]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Vibration Level, m/s²	3.2	6.3	2	5.2	3
Sound Level dB(A) Pressure	83.3	85.9	85.1	86	85.9
Length, inches (mm)	6.1 (155)	5.75 (146)	6.9 (175)	6.4 (162)	10.9 (276)
Weight, lb (kg)	1 (0.4)	1.2 (0.5)	1.2 (0.5)	1.4 (.63)	2.1 (.95)

† CE

PT400 Heavy Duty Series Die Grinders


PT400


PT410


PT400L

Straight, Angle Head and Extended Shaft – 1/4" Collet

- 1 HP thermally balanced air motor
- Dual taper collet system
- Paddle style safety trigger
- Easy bit changing using standard wrenches
- Low dB(A) rating reduces fatigue from noise

Specifications	**PT400 †**	**PT410 †**	**PT400L †**
Collet Size, inches	1/4	1/4	1/4
Rated Power, HP (kW)	1.0 (.6)	1.0 (.6)	1.0 (.6)
Free Speed RPM	25,000	12,000	23,000
Air Consumption, Free Speed, CFM (SCFM) [l/min]	4.17 (30) [118]	4.17 (30) [118]	4.17 (30) [118]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)	3/8 (10)	3/8 (10)
Vibration Level, m/s²	2.1	.78	3.25
Sound Level dB(A) Pressure	84.7	81.8	82.2
Length, inches (mm)	7.5 (190)	7.5 (190)	12.25 (311)
Weight, lb (kg)	1.5 (.68)	2.0 (.91)	2.6 (1.1)

† CE


AT115


AT118


AT105


AT109


AT109DGK


AT119


AT116


AT120L


AT120LRA

Straight and Angle Head Die Grinders - 1/4" Collet

Specifications	AT115 †	AT118 †	AT105 †	AT109* †	AT119 †	AT116 †	AT120L	AT120LRA
Collet Size, inches	1/4	1/4	1/4	1/4	1/4	1/4	1/4 (6.35 mm)	1/4 (6.35 mm)
Rated Power, HP (kW)	0.45 (.33)	0.2 (.15)	0.45 (.33)	0.2 (.15)	0.2 (.15)	0.2 (.15)	0.22 (.164)	0.45 (.335)
Free Speed RPM	22,000	20,000	22,000	20,000	20,000	20,000	23,000	18,000
Air Consumption, Free Speed, CFM (SCFM) [l/min]	4 (29) [113]	4.0 (29) [113]	4 (29) [113]	2.1 (15) [59]	3 (15) [59]	3 (15) [59]	3.0 (22)	3.3 (24) [93.4]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4" -18 NPT	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)	3/8 (10)	3/8 (10) ID Min.	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Vibration Level, m/s²	<2.5	2.5	<2.5	2.5	<6.92	3	1.83	1.83
Sound Level dB(A) Pressure	95	93	102	93	100	100	77	79
Length, inches (mm)	6.5 (165)	5.5 (140)	6.5 (165)	5.5 (140)	6.81 (173)	6.5 (165)	11.02 (280)	11.25 (285)
Weight, lb (kg)	1.3 (.61)	1.1 (.50)	1.3 (.61)	1.1 (.50)	1.1 (50)	1.1 (50)	1.45 (.66)	1.63 (.74)

* See p.485 for AT109DGK die grinder kit specifications.
† CE

AT115 Standard Die Grinder
- Intended for most standard deburring operations
- Ergonomic handle grip increases comfort and control
- Safety lever throttle
- Built-in speed regulator
- Brass bearing cap and hose adaptor
- Rear diffused exhaust

AT118 Right Angle Mini Die Grinder
- Clean dies, rotors, backing plates and brake pad mounts
- Remove gasket material
- Grind dies and valve seats
- Dress welds and enlarge holes
- Compact mini-design with 90° angled head for easy access
- Ergonomic handle grip increases comfort and control
- Safety lever throttle
- Built-in speed regulator
- Brass bearing cap and hose adaptor

AT105 Standard Die Grinder
- Aluminum housing for long lasting durability
- Intended for most standard deburring operations
- High quality bearings improve productivity with less repair
- Rear exhaust directs air away from work area

AT109 Right Angle Mini Die Grinder
- Aluminum housing for long lasting durability
- Compact mini design with 90° head for easy access
- High quality bearings improve productivity with less repair

AT109DGK Die Grinder Kit
Includes: AT109 mini angle die grinder plus one 2" (50.8 mm) *ROLOC* pad, two 2" (50.8 mm) coarse discs, two 2" (50.8 mm) medium discs, two 2" (50.8 mm) 24 grit discs, two 2" (50.8 mm) 36 grit discs, two 2" (50.8 mm) crud discs, one 3" (76.2 mm) *ROLOC* pad, two 3" (76.2 mm) 50 grit discs, two 3" (76.2 mm) 120 grit discs, two 3" (76.2 mm) crud discs, one 1/4" shank adaptor and two spanner wrenches in storage case.

AT119 Mini Angle Die Grinder (115°)
- 115° offset head provides a more ergonomic grinding position
- Thread-on style disc provides a more compact head
- One 2" quick change disc included so tool is ready for your abrasive pad
- Body work spot sanding
- Cleaning gasket material from surfaces
- Dressing welds
- Cleaning brake rotors, backing plates and brake pad

AT116 Mini Angle Die Grinder (115°)
- 115° offset head provides a more ergonomic grinding position
- Quick change 1/4" collet for faster job changes
- Compact size is ideal for accessing tough-to-reach areas
- Comfort grip over mold
- Variable speed regulator for precision control
- CE – DE, ES, FR, IT, GB, NL

Optional Accessories:

AT116-3 ROLOC® Pad (2", 1/4" shaft)

AT116-4 *ROLOC* Pad (3", 1/4" shaft)

AT120L Extended Length Mini Die Grinder
- Extended reach of 4.5" to gain access into limited work space
- Comfort grip reduces fatigue
- Built-in speed regulator matches tool speed to the job
- Safety throttle — release the lever and the tool turns off
- CE – DE, ES, FR, IT, GB, NL

AT120LRA Right Angle Extended Length Mini Die Grinder
- Built-in speed regulator matches tool speed to the job
- Comfort grip reduces fatigue
- Safety throttle release the lever and the tool turns off
- .45 HP motor with free speed of 18,000 RPM
- Extended reach of 4.5" with a 90° head

⚠WARNING
- Use only accessories intended for die grinders
- Do not use grinder accessories above their maximum rated RPM
- Read safety precautions on pages W1 to W4

AIR: DIE GRINDERS Blue-Point®



AT1070A



AT1070RA

Pencil Die Grinders

Specifications	AT1070A †	AT1070RA †
Collet Size, inches	1/8	1/8
Rated Power, HP (kW)	—	—
Free Speed RPM	75,000	75,000
Air Consumption, Free Speed, CFM (SCFM) [l/min]	1 (7) [28]	1 (7) [28]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)	3/8 (10)
Vibration Level, m/s²	2.0	2.0
Sound Level dB(A) Pressure	72	72
Length, inches (mm)	5.3 (135)	5.9 (150)
Weight, lb (kg)	.55 (0.25)	.46 (0.21)

† CE

AT1070A Pencil Die Grinder
- Twist action variable speed control
- 5' (1.5 m) long protected air hose
- Used with 1/8" shank grinding accessories rated a minimum of 75,000 RPM
- Ideal for tight spaces and easy cleaning of dies, rotors and brake pads

AT1070RA Pencil Die Grinder
- Same as AT1070A except features right angle head

CUT OFF TOOLS



PT250A



PT430



PT490

Cut Off Tools

Specifications	PT250A †	PT430	PT490
Wheel Size, inches (mm)	3 (76)	3 (76)	4 (102)
Rated Power, HP (kW)	0.5 (.37)	1.0 (0.75)	1.0 (0.75)
Free Speed RPM	22,000	25,000	12,000
Air Consumption, Free Speed, CFM (SCFM) [l/min]	3.2 (23) [90]	4.17 (23) [90]	4.17 (23) [90]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)	3/8 (10)	3/8 (10)
Vibration Level, m/s²	6	6.92	3.41
Sound Level dB(A) Pressure	86.1	87	87.8
Length, inches (mm)	7.2 (183)	7.5 (190)	9.3 (236)
Weight, lb (kg)	1.6 (.73)	1.9 (.86)	3 (1.3)
3" Cutter Wheels (36-Grit) (optional)	AT150-20A	AT150-20A	—
3" Cutter Wheels (54-Grit) (optional)	AT150C29A	AT150C29A	—
4" Cutter Wheels (optional)	—	—	AT154RWHLMP

† CE

PT250A Cut Off Tool (3")
- Adjustable cutting wheel guard rotates to any safe and convenient position
- Adjustable rear exhaust keeps exhaust away from the work area
- Thermally balanced air motor acts as internal cooling system to protect moving parts and efficiently routes air to control surface temperature of tool
- Ten-position power/speed regulator precisely matches tool speed to job requirements

PT430 Cut Off Tool (3")
- Powerful thermally balanced air motor cools internal parts and tool surface
- Double bearings for smooth operation
- Lightweight and ergonomic comfort grip handle for less user fatigue
- Built-in speed regulator for easy adjustment
- Rear-diffused exhaust directs exhaust away from the work area
- Paddle-style trigger/safety lever for easy operation
- Precision-machined steel end plates
- Adjustable wheel guard so tool can be used at any angle
- UL® – JP

PT490 Angle Cut Off Tool (4")
- 4" cutting wheel
- Powerful thermally balanced air motor cools internal parts and tool surface
- Steel angle head with heavy duty spiral bevels gears for tool longevity
- Double bearings for smooth operation
- Instinct side handle (included) to increase leverage and ergonomic comfort-grip handle for less user fatigue
- Built-in speed regulator for easy adjustment
- Rear-diffused exhaust directs exhaust away from work area
- Paddle-style trigger/safety lever for easy operation
- Precision-machined steel end plates
- Adjustable wheel guard so tool can be used at any angle
- *UL* – JP

Reversible Cut Off Tools (Blue-Point®)

Specifications	AT154RA †	AT157R †
Wheel Size, inches (mm)	4 (102)	3 (76)
Rated Power, HP (kW)	0.7 (0.5)	0.45 (.33)
Free Speed RPM	13,000	20,000
Air Consumption, Free Speed, CFM (SCFM) [l/min]	3.1 (22) [87]	3.5 (25) [99]
Air Inlet Thread Size	1/4" - 18 NPT	1/4" - 18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)	3/8 (10)
Vibration Level, m/s²	3.07	<3.8
Sound Level dB(A) Pressure	85	100
Length, inches (mm)	14.3 (365)	7.3 (185)
Weight, lb (kg)	3.3 (1.5)	1.9 (.86)
3" Cutter Wheels (36-Grit) (optional)	—	AT150-20A
3" Cutter Wheels (54-Grit) (optional)	—	AT150C29A
4" Cutter Wheels	AT154RWHLMP	—

† CE



AT154RA



AT157R

AT154RA Reversible Cut Off Tool (4")
- 14.3" overall length provides extended reach for easier access
- Reverse mode controls direction of sparks for safety
- Exhaust diffused through the rear of tool away from work surface
- Side handle provides additional tool control

AT157R Reversible Cut Off Tool (3")
- Reversible to change direction of sparks
- Built-in speed regulator for fine tuning
- Extended reach for hard-to-access areas

Cut Off Tools *(Blue-Point)*

Specifications	AT153
Wheel Size, inches (mm)	3 (76)
Rated Power, HP (kW)	0.5 (0.37)
Free Speed, RPM	17,000
Air Consumption, Free Speed, CFM (SCFM) [l/min]	3.5 (24) [99.1]
Air Inlet Thread Size	1/4"-18 NPT
Recommended Air Pressure, psig (kPa)	90 (620)
Recommended Hose Size, inches (mm)	3/8 (10)
Vibration Level, m/s²	<2.86
Sound Level dB(A) Pressure	85
Length, inches (mm)	7.3 (185)
Weight, lb (kg)	3.3 (1.5)
3" Cutter Wheels (36-Grit) (optional)	AT150-20A
3" Cutter Wheels (54-Grit) (optional)	AT150C28A
4" Cutter Wheels (optional)	—

† CE



AT153

AT153 Cut Off Tool (3")
- Compact size excellent for accessing areas with limited working space
- Heavy duty bevel gears for tool longevity
- Indexing adjustable guard controls the direction of sparks
- Spindle lock eliminates the need for special wrenches for fast change of cut-off wheels
- Adjustable built-in regulator easily adjusts up to 17,000 RPM free speed
- CE – DE, ES, FR, IT, GB, NL

⚠WARNING

- When using die grinder, use only accessories intended for die grinder
- Do not operate without the guard
- Do not use grinder accessories above their maximum rated RPM
- Read safety precautions on pages W1 to W4

AIR: GRINDERS



PT450

Grinder

Specifications	PT450 †
Wheel Size, inches (mm)	4 1/2 (114)
Rated Power, HP (kW)	1.0
Free Speed RPM	12,000
Air Consumption, Free Speed, CFM (SCFM) [l/min]	4.17 (30) [91]
Air Inlet Thread Size	1/4"-18NPT
Recommended Hose Size, inches (mm)	3/8 (10)
Vibration Level, m/s²	8.9
Sound Level dB(A) Pressure	86.3
Length, inches (mm)	9 (229)
Weight, lb (kg)	3.25 (1.47)
Grinding Discs	PT450-WH

† CE

PT450 4 1/2" Angle Grinder
- 12,000 RPM Maximum Free Speed
- 1 HP thermally balanced air motor
- Adjustable Wheel Guard
- Lightweight, only 3 1/4 lb
- Features Snap-on® Instinct® Screwdriver Side Handle



AT415B

Grinder (Blue-Point®)

Specifications	AT415B †
Wheel Size, inches (mm)	4 1/2 (114)
Rated Power, HP (kW)	0.86 (.64)
Free Speed RPM	12,000
Air Consumption, Free Speed, CFM (SCFM) [l/min]	3.2 (23) [91]
Air Inlet Thread Size	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)
Vibration Level, m/s²	5.1
Sound Level dB(A) Pressure	87
Length, inches (mm)	10 (254)
Weight, lb (kg)	4.2 (1.9)
Grinding Discs	AT415A51

† CE

AT415B 4 1/2" Compact Grinder (*Blue-Point*)
- Includes one grinding disc

CUTTING TOOLS



PTS500



PTS1000

Air Saws

Specifications	PTS500 †	PTS1000 †
Free Speed RPM	9,500	10,000
Air Consumption, Free Speed, CFM (SCFM) [l/MIN]	1.1 (8.5) [33.9]	1.0 (8.5) [33.9]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches	3/8 (10)	3/8 (10)
Vibration Level, m/s²	3.68	2.99
Sound Level dB(A) Pressure	90.7	87.1
Stroke Length, inches (mm)	3/8 (10)	3/8 (10)
Length, inches (mm)	7.8 (198)	9.4 (238)
Weight, lb (kg)	1 (0.45)	1.5 (0.69)

† CE

PTS500 Mini Air Saw
- Can cut 1/8" (3 mm) thick mild steel
- Low vibration – 3.68 m/s² – for less user fatigue
- Chuck accepts standard 0.035" thick air saw blades
- Featherable paddle trigger with safety lever for easy operation
- 360° adjustable exhaust deflector
- Smooth cutting action
- Comfort-grip handle
- Includes three 3 5/8" long air saw blades (one each: 18 TPI, 24 TPI and 32 TPI)
- UL® – Listed: JP

PTS1000 Dual Chuck Air Saw
- Dual chuck accepts 0.035" standard air saw blades and 6" long reciprocating saw blades
- Can cut 1/8" (3 mm) thick mild steel
- Smooth cutting action
- Comfort grip handle
- Low vibration (2.99 m/s²) for less user fatigue
- Featherable paddle trigger with safety lever for easy operation
- 360° adjustable exhaust deflector
- Includes three 3 5/8" long air saw blades (one each 18 TPI,24 TPI and 32 TPI) and one 6" long reciprocating saw blade (18 TPI)
- *UL* – Listed: JP



AT192A



AT194A

Reciprocating Saws

Specifications	Free Speed RPM	Air Consumption, Free Speed, CFM (SCFM) [l/min]	Air Inlet Thread Size	Recommended Hose Size, inches (mm)	Vibration Level, m/s²	Sound Level dB(A) Pressure	Length, inches (mm)	Weight, lb (kg)
AT192A †	11,000	1.0 (7) [28]	1/4"-18 NPT	3/8 (10)	10.1	94	9.3 (235)	1.75 (0.80)
AT194A †	8,250	0.7 (5) [20]	1/4-18NPT	3/8 (10)	<6.6	87	6.7 (175)	1 (0.45)

Replacement Blades	
Bi-Metal Blade Scroll, 18TPI, 3 3/4" long (qty. 5)	AT190-39C
Bi-Metal Blade Scroll, 24 TPI, 3 3/4" long (qty. 5)	AT190-40C
Bi-Metal Blade Scroll, 32 TPI, 3 3/4" long (qty. 5)	AT190-41C

† CE

AT192A High Speed Reciprocating Saw

- Adjustable blade guard to control cutting depth
- Teflon® coated piston for smooth operation and durability
- Comfort grip handle with safety lever throttle
- Includes bi-metal blades: one 18TPI, one 24TPI, one 32TPI

AT194A Micro Air Saw

- Compact size for easy access in tight quarters
- Guarded hose extension helps prevent damage to finished surfaces
- Performs straight or scroll cuts in metal and plastic
- Includes bi-metal blades: one 18TPI, one 24TPI, one 32TPI



AT195

Shears

Specifications	Free Speed RPM	Air Consumption, Free Speed, CFM (SCFM) [l/min]	Air Inlet Thread Size	Recommended Hose Size, inches (mm)	Vibration Level, m/s²	Sound Level dB(A) Pressure	Length, inches (mm)	Weight, lb (kg)
AT195 †	—	4.0 (29) [113]	1/4"-18 NPT	3/8 (10)	<2.5	99.6	10 (254)	2.8 (1.3)

† CE

AT195 Air Powered Shears

- Trims, outlines and shears
- Replaceable brass filter screen
- Built-in speed regulator



AT180C

Nibbler

Specifications	Free Speed RPM	Air Consumption, Free Speed, CFM (SCFM) [l/min]	Air Inlet Thread Size	Recommended Hose Size, inches (mm)	Vibration Level, m/s²	Sound Level dB(A) Pressure	Length, inches (mm)	Weight, lb (kg)
AT180C †	3,500	4 (29) [113]	1/4"-18 NPT	3/8 (10)	4.3	97	7.6 (193)	1.9 (.88)

† CE

AT180C Nibbler

- Cuts mild steel sheet up to 16 gauge (0.62") (1.55 mm)
- Anvil is adjustable for forward, backward and left or right cutting
- Readily cuts most non-ferrous materials including aluminum, brass, formica, laminates, fiberglass and masonite



- Do not operate without the guard
- Do not use grinder accessories above their maximum rated rpm
- Read safety precautions on pages W1 to W4

AIR: SANDERS



PS4512



PS4612



PSF4612



PSF4312



PS4609



PS4809

Orbital and Geared Sanders

Specifications	PS4512 †	PS4612 †	PSF4612 †	PSF4312 †	PS4609 †	PS4609V †	PS4809 †	PS4809V †
Pad Size, inches (mm)	5 (127)	6 (152)	6 (152)	3 (76)	6 (152)	6 (152)	8 (203)	8 (203)
Rated Power, HP (kW)	0.25 (.19)	0.25 (.19)	0.25 (.19)	0.25 (.19)	0.42 (.33)	0.42 (.33)	0.42 (.33)	0.42 (.33)
Free Speed RPM	12,000	12,000	12,000	12,000	1,000	1,000	1,000	1,000
Spindle Thread, inches	5/16-24	5/16-24	5/16-24	1/4-20	3/8	3/8	3/8	3/8
Air Consumption, Free Speed, CFM (SCFM) [l/min]	2 (14) [57]	2 (14) [57]	2 (14) [57]	2 (14) [57]	3 (21.7) [85]	3 (21.7) [85]	3 (21.7) [85]	3 (21.7) [85]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Vibration Level, m/s²	2.3	2.3	2.1	2.1	5.9	5.9	5.9	5.9
Sound Level dB(A) Pressure	75.3	75.3	74.9	74.9	80	80	80	80
Length, inches (mm)	5 (127)	6 (152)	6 (152)	3 (76)	11 (281)	11 (281)	11 (281)	11 (281)
Weight, lb (kg)	1.7 (0.77)	2.5 (1.14)	2.4 (1.11)	1.44 (0.65)	3.7 (1.70)	3.7 (1.70)	4 (1.82)	4 (1.82)
Standard Pad	PS4512-1AH	PS4612-1AH	PS4612-1AH	PS4312-1H	PS468-34	PS468-34V	PS468-35	PS468-35V

† CE

PS4512/PS4612/PSF4612 Orbital Sander (5")
- Delivers 12,000 RPM with unsurpassed control and comfort
- Soft, ergonomic adjustable grip is indexable and can be rotated to fit the user's hand
- Patented O-ring sealed motor extends tool life by preventing dust and debris from entering mechanical components
- S-shaped paddle lever to better fit the curve of the user's hand to provide comfort and resist fatigue
- Multi-position regulator controls maximum speed for versatility
- Robust front spindle and precision balanced crank extend motor life and provide smoother operation with minimal vibration
- Patented bearing dust shield extends motor life by preventing contamination of lower motor bearings
- Composite over molded housing is lightweight and easy to maneuver
- Optional PSV4612KIT vacuum kit is also available

PSF4312 Orbital Sander (3")
- Same features as PS4612 except: 3" lightweight, 30 gram pad is flexible for spot sanding and feather edging, providing more control of the application

PS4609 (6") and PS4809 (8") Geared Sanders
- Remove and level large amounts of filler materials such as glue or epoxy
- To level small welds
- Removing coatings prior to painting
- For use on metal, solid surfaces, wood and fiberglass
- Super ergonomic adjustable grip is indexable to multiple positions for optimum comfort
- Soft grip housing material for maximum vibration absorption
- PS4609V vacuum model
- PS4809V vacuum model



AT408



AT411A

Sanders

Specifications	AT408 †	AT411A †
Pad Size, inches (mm)	8 (203)	6 (152)
Rated Power, HP (kW)	0.5 (.37)	0.5 (.37)
Free Speed RPM	850	10,000
Spindle Thread, inches	5/16-24	5/16-18 UNC
Air Consumption, Free Speed, CFM (SCFM) [l/min]	5 (36) [142]	5 (36) [142]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)	3/8 (10) ID Min.
Vibration Level, m/s²	3.7	3.7
Sound Level dB(A) Pressure	87	79
Length, inches (mm)	11 (281)	8 (203)
Weight, lb (kg)	4.8 (2.18)	4.7 (2.14)
Standard Pad	AT408-2	AT411A-1

† CE

AT408 Geared Sander (8")
- Rear diffused exhaust
- Built-in adjustable speed regulator
- Removable brass filter screens out debris

AT411A Dual Action Sander (6")
- For fine sanding operations and swirl-free finishing
- Comfort handle helps reduce fatigue
- Converts from rotary to random orbit action by sliding drive plate
- Built-in thumb wheel speed regulator

AT425R

Reversible Disc Sanders

Specifications	AT425R †
Pad Size, inches (mm)	5 (127)
Rated Power, HP (kW)	0.45 (.33)
Free Speed RPM	13,000
Spindle Thread, inches	7/16-20 UNC
Air Consumption, Free Speed, CFM (SCFM) [l/min]	4.3 (31) [122]
Air Inlet Thread Size	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)
Vibration Level, m/s²	<0.8
Sound Level dB(A) Pressure	93
Length, inches (mm)	5.3 (135)
Weight, lb (kg)	2.8 (1.28)
Standard Pad	AT425R-24
3" Replacement Pad (opt.)	AT425R-22
4" Replacement Pad (opt.)	AT425R-23

† CE

AT425R Reversible Hi-speed Sander (5")
- Comfort grip handle
- One-hand forward/reverse lever
- Built-in speed regulator
- Includes three backing discs: 3", 4" and 5"



AT406C

Orbital Sander

Specification	AT406C
Pad/Disc Size, Dia., inches (mm)	6 (152)
Rated Power, HP (kW)	.25 (.19)
Free Speed, RPM	12,000
Spindle Thread, inches	5/16–24
Air Consumption, Free Speed, CFM (SCFM) [l/min]	2.5 (18) [71]
Sound Level dB(A) Pressure	85
Length, inches (mm)	8.6 (21.9)
Weight, lb (kg)	1.5 (0.7)

AT406C Orbital Palm Sander (6")
- Lightweight & durable composite housing
- Built-in power regulator for optimized power control
- Well-balanced for smooth handling
- For use with accessories rated above 12,000 RPM



AT475A

In-Line Sander

Specifications	AT475A †
Free Speed RPM	1,800
Air Consumption, Free Speed, CFM (SCFM) [l/min]	2.3 (17) [65]
Air Inlet Thread Size	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10) ID Min.
Vibration Level, m/s²	14.9
Sound Level dB(A) Pressure	87
Length, inches (mm)	16 (406)
Weight, lb (kg)	6.8 (3.09)
Standard Pad	AT475A-29

† CE

AT475A Heavy Duty In-Line Sander (16")
- 5/8" stroke
- Minimal vibration
- For fast material removal
- Pad has positive locking clamps

⚠WARNING



- Do not use grinding discs on sanders
- Read safety precautions on pages W1 to W4

AIR: FINISHING TOOLS Blue-Point®



AT615K

AT615K Belt Sander Kit
- Includes belt sander,three 18" x 3/8" sanding belts (60, 80, 120 grit), three 18" x 1/2" sanding belts (60, 80, 120 grit) and three 18" x 3/4" sanding belts (60, 80, 120 grit)

AT615ARM1 Contact Arm Assembly (1" D x 3/8" W rubber)
- Use with AT615 Belt Sander

AT615ARM2 Contact Arm Assembly (3/4" D x 3/8" W rubber)
- Use with AT615 Belt Sander

AT615ARM3 Contact Arm Assembly (3/4" D x 5/8" W)
- Use with AT615 Belt Sander

AT615-31 Collet Assembly (1/4")
- Optional 1/4" collet assembly for use with the AT615 Belt Sander

AT615KPB Storage Case
- Storage case for the AT615K Belt Sander Kit



Belts

Stock No.	Description	Size	Grit	Package Quantity
ATBA381860	Coated Abrasive	3/8" x 18"	60	5 each
ATBA381880	Coated Abrasive	3/8" x 18"	80	5 each
ATBA3818120	Coated Abrasive	3/8" x 18"	120	5 each
ATBA121860	Coated Abrasive	1/2" x 18"	60	5 each
ATBA121880	Coated Abrasive	1/2" x 18"	80	5 each
ATBA1218120	Coated Abrasive	1/2" x 18"	120	5 each
ATBA341860	Coated Abrasive	3/4" x 18"	60	5 each
ATBA341880	Coated Abrasive	3/4" x 18"	80	5 each
ATBA3418120	Coated Abrasive	3/4" x 18"	120	5 each
ATBB121850	Non-Woven Abrasive	1/2" x 18"	50	5 each
ATBB1218100	Non-Woven Abrasive	1/2" x 18"	100	5 each
ATBB1218240	Non-Woven Abrasive	1/2" x 18"	240	5 each
ATBB341850	Non-Woven Abrasive	3/4" x 18"	50	5 each
ATBB3418100	Non-Woven Abrasive	3/4" x 18"	100	5 each
ATBB3418240	Non-Woven Abrasive	3/4" x 18"	240	5 each
ATBB381850	Non-Woven Abrasive	3/4" x 18"	50	5 each
ATBB3818100	Non-Woven Abrasive	3/4" x 18"	100	5 each
ATBB3818240	Non-Woven Abrasive	3/4" x 18"	240	5 each



AT240



AT265A



AT1212A

Tire Buffer

AT240 Tire Buffer
- Use for tire patch preparation, roughing up rubber for tire recaps plus removing excess rubber
- Speed regulator for improved tool control
- Comfort grip housing for reduced operator fatigue
- Rear exhaust directs air away from work
- Semicircle buffing wheel for maximum surface preparation

Pinstripe Removal Tool

AT265A Pinstripe Removal Tool
- Use to remove pinstripes, adhesive, tape and graffiti
- Includes three 3.5" eraser pads to keep you working longer
- Step pad eraser design for improved visibility during operation
- Comfort grip handle for less fatigue
- Auxiliary side handle for improved tool control

Needle Scaler

AT1212 Mini Needle Scaler
- Mini size for access in confined areas
- Smooth palm controlled trigger mechanism for ease of operation
- 12 high-tension steel needles conform to any irregular surface for cleaning crevices

Stock No.	Pad Size	Style	Rated Power, HP (kW)	Free Speed RPM	Spindle Size	Air Consumption	Vibration Level, m/s²	Sound Level dB(A) Pressure	Length, inches (mm)	Weight, lb (kg)
AT240 †	—	Tire Buffer	0.4	2,600	—	3.7 (26.6) [104.7]	1.18	89	9.1 (233)	1.8 (.82)
AT265A †	3.5	Pinstripe Removal Tool	0.4	3,600	5/16"-24	3.7 (26.6) [104.7]	0.69	88	8.1 (206)	1.8 (.82)
AT1212 †	—	Mini Needle Scaler	—	4,000 BPM	—	4.0 (11.19) [113]	11.4	90	12.5 (318)	2.64 (1.20)

† CE



AT401MCA



AT402MCA

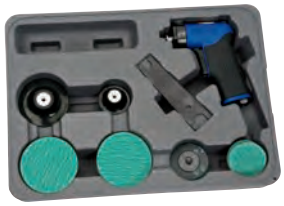


AT403MCA

Specifications	AT401MCA †	AT402MCA †	AT403MCA †
Pad Size, inches (mm)	3 (76)	3 (76)	3 (76.2)
Rated Power, HP (kW)	0.25 (.19)	0.25 (.19)	0.25 (.19)
Free Speed RPM	15,000	15,000	6,000
Spindle Thread, inches	1/4-20	5/16-24 UNF	5/16-24 UNF
Air Consumption, Free Speed, CFM (SCFM) [l/min]	2.1 (15) [59]	2.1 (15) [59]	2.2 (16) [62]
Air Inlet Thread Size	1/4"-18 NPT	1/4"-18 NPT	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)	3/8 (10)	3/8 (10)
Vibration Level, m/s²	<2.5	<2.5	<2.5
Sound Level dB(A) Pressure	84	84	86
Length, inches (mm)	4.7 (119)	5.2 (133)	5.6 (143)
Weight, lb (kg)	0.97 (0.44)	1.1 (.50)	1.3 (0.60)

† CE

AT401MCA, AT402MCA and AT403MCA Micro Series
- Powerful direct drive gear train for greater durability
- Large two-finger trigger for better control
- High quality bearings for longer tool life
- Composite housing with comfort grip insulates from cold
- Bottom handle diffused exhaust
- Variable speed trigger



AT401MCKA

AT401MCKA Micro Surface Prep Tool Kit
- Includes: AT401MCA micro surface prep tool, one 2" ROLOC® pad, one 3" *ROLOC* pad, five 2" 40 grit pads and five 3" 80 grit pads in storage case
- CE



AT402MCKA

AT402MCKA Micro Dual Action Sander Kit
- Includes: AT402MC micro sander, one 3" Hook-It® pad , (25) 3" 180 grit pads, (25) 3" 200 grit pads, ten 3" 320 grit pads and ten 3" 800 grit pads in storage case
- CE



AT403MCKA

AT403MCKA Micro Polisher Kit
- Includes: AT403MCA micro polisher, one 3" *Hook-It* pad, one 3" wool pad, and one 3" foam pad in storage case
- CE

Polisher

Specifications	AT450CP †
Pad Size, inches (mm)	7 (177)
Rated Power, HP (kW)	0.5 (0.37)
Free Speed RPM	2,500
Spindle Thread, inches	5/8"-11
Air Consumption, Free Speed, CFM (SCFM) [l/min]	3.31 (23.8) [93.72]
Air Inlet Thread Size	1/4"-18 NPT
Recommended Hose Size, inches	—
Vibration Level, m/s²	<2.5 m/S²
Sound Level dB(A) Pressure	87
Length, inches (mm)	15 (381)
Weight, lb (kg)	5 (2.27)
Standard Wool Pad	POLISHW8A
Spanner Wrench (opt.)	AT450-50H

† CE



AT450CP

AT450CP Heavy Duty Vertical Polisher
- Removeable side handle
- Includes wool pad

WARNING
- Use only accessories intended for each air tool
- Do not use accessories above their maximum rated RPM
- Read safety precautions on pages W1 to W4

AIR: FINISHING TOOLS

PT280THUGA Crud Thug® Removal Air Tool

- Quickly remove seam sealers, rust, paint and under-body coatings
- Optional rubber eraser wheel for pinstripe and graphics removal
- Easily removes automotive “crud” without fumes, heat buildup or surface damage
- Includes one fine wire wheel and one coarse wire wheel
- Thermally balanced air motor routes air between housing and liner for cooler tool temperatures and longer life
- Planetary gear system for increased torque
- Ergonomic cushion grip insulates against cold and vibration
- Adjustable exhaust outlet in rear of tool allows choice of exhaust direction
- Ten-position power/speed regulator allows easy RPM adjustment
- Paddle style trigger for precise speed control



PT280THUGA

Specifications	PT280THUGA †
Rated Power, HP (kW)	0.45 (.33)
Free Speed RPM	3,500
Air Consumption, Free Speed, CFM (SCFM) [l/min]	4 (28) [113]
Air Inlet Thread Size	1/4"-18 NPT
Recommended Hose Size, inches (mm)	3/8 (10)
Vibration Level, m/s²	2.8
Sound Level dB(A) Pressure	85
Length, inches (mm)	12 (304)
Weight, lb (kg)	2.4 (1.09)

† CE



SPPT280-300



PT280-301MP5



PT280-302MP5



PT280-303MP3



PT280-304



PT280-305



PT280-306



PT280-300-11



PT280-301-11



PT280-302-11



PT280-304-11



PT280-305-11



PT280-306-11

Stock No.	Description	Width, mm	Wheel Diameter, inches	Wire Style	Max. Safe Free Speed RPM	Applications
SPPT280-300	Hub	23 and 30	4.05	—	4,000	Use to mount 23 mm and 30 mm wheels to tool.
PT280-301MP5	Wire Wheel (coarse)	23	4.05	Bent, sharpened hardened spring steel tips	4,000	Removes sealers and coatings. Profiles steel surfaces, rough fiberglass, plastic and rubber.
PT280-302MP5	Wire Wheel (fine)	23	4.05	Straight, hardened spring steel tips	4,000	Removes light rust, paint and gasket material. Cleans contours and tight areas.
PT280-303MP3	Rubber Eraser Wheel	30	4.13	—	3,500	Removes vinyl, decals and pinstripes, along with reflective and DOT tape. Also removes molding and adhesive tape.
PT280-304	Stainless-Steel Wire Wheel (fine)	23	4.05	Straight tip stainless-steel	4,000	Removes paint, oxidation and liquid gaskets. Cleans weld seams and rivets.
PT280-305	Stainless-Steel Wire Wheel (coarse)	23	4.05	Bent tip stainless-steel	4,000	Removes paint, corrosion, cleans weld seams, burn and slag. Effective for non-ferrous metals.
PT280-306	Wire Wheel (medium)	23	4.05	Bent, sharpened spring steel tips	4,000	Removes heavy rust, paint, epoxy and marine growth. Profiles aluminum surfaces.
PT280-300-11	Hub	11	4.05	—	4,000	Use to mount 11 mm wire wheel to tool.
PT280-301-11	Wire Wheel (coarse)	11	4.05	Bent, sharpened spring steel tips	4,000	Removes sealers and coatings. Profiles steel surfaces, roughs fiberglass, plastic and rubber.
PT280-302-11	Wire Wheel (fine)	11	4.05	Straight, hardened spring steel tips	4,000	Removes light rust, paint and gasket material. Cleans contours and tight areas.
PT280-304-11	Stainless-Steel Wire Wheel (fine)	11	4.05	Straight, hardened stainless-steel tips	4,000	Removes paint, oxidation and liquid gaskets. Cleans weld seams and rivets.
PT280-305-11	Stainless-Steel Wire Wheel (coarse)	11	4.05	Bent, sharpened stainless-steel tips	4,000	Removes paint, corrosion, cleans weld seams, burn and slag. Effective for non-ferrous metals.
PT280-306-11	Wire Wheel (medium)	11	4.05	Bent, sharpened spring steel tips	4,000	Remove heavy rust, paint, epoxy and marine growth. Profiles aluminum surfaces.

THE PERFECT COMPLEMENTS.

Nothing complements your Snap-on® power tools like our full range of accessories. Add our Blue-point® accessories for more productivity, durability, control and power.

IT ALL ADDS UP.

You can add any number of accessories to your *Snap-on* power tools – and that helps optimize the progress in your shop.

Hardened Drill Bits — Resist breakage and get the most out of your drill.

Premium-Grade Oil — Better lubrication means longer tool life.

Air Hoses — Extremely lightweight for maneuverability.

Protective Boots — Protect your investment with a wide range of power tool boots.



AIR/CORDLESS TOOL BOOTS


MG725BOOT


MG325OBOOT


YA888


PH3050BOOT


CT4410AGBOOT


YA969

Air/Cordless Boots

Description		Air Tool Stock No.	Stock No.
Air Impact Wrench Boots	3/4" Sq. Drive	AT670	AT670BOOT
		AT760	AT760BOOT
		AT775/AT775L	YA979
		MG1200/MG1250 Series	MG1200BOOT
	1/2" Sq. Drive	AT123 Series	AT123-45
		AT500C/AT500D	YA972
		AT555/AT555A Series	AT531-25
		AT5500	AT5500BOOT
		AT570	AT570BOOT
		MG725 Series	MG725BOOT MG725GBOOT MG725OBOOT
	3/8" Sq. Drive	AT321	AT321-44
		AT351	—
		AT355A	YA977
		AT360	AT360-25
		AT370	AT370BOOT
		MG325 Series	MG325BOOT MG325GBOOT MG325OBOOT
	1/4" Sq. Drive	AT225B Series	YA975
Air Drill Boots	3/8" Capacity	AT5000	AT5000BOOT
		AT3000	AT3000BOOT

Description		Air Tool Stock No.	Stock No.
Air Ratchet Boots	1/2" Sq. Drive	AT705 Series	AT700E49A
	3/8" Sq. Drive	AT205 Series	AT200D22A
		AT700 Series/AT702	AT700E49A
		ETB14460A	YA889A
		FAR7000	FAR7000BOOT
		FAR7200, FAR72B, FAR72C	YA889A
		PTR205A	YA905
		PTR215A	YA905
		PTR225A	YA905
	1/4" Sq. Drive	AT200 Series	AT200D22A
		FAR25, FAR25A	YA888
		PTR200A, FAR2500, FAR2505	YA905
Air Hammer Boots	—	AT2050	AT2050BOOT
		PH3050/PH3050A/ PH3050B	PH3050BOOT
Cordless Impact Wrench Boots	1/2" Sq. Drive	CT8850/CT6818 Series	CT8850BOOT
			CT8850GBOOT
			CT8850OBOOT
		CT8815/CT4415 Series	CT8810BOOT
			CT8810GBOOT
			CT8810OBOOT
		CT7850 Series	CT7850BOOT
		CT4850/CT6850/6855 Series	CT4850BOOT
			CT6850GBOOT
			CT6850OBOOT
		CT3450/CT3850 Series	YA982
	3/8" Sq. Drive	CT8810/CT4418 Series	CT8810BOOT
			CT8810GBOOT
			CT8810OBOOT
		CT4410A Series	CT4410BOOT
			CT4410AGBOOT
			CT4410AOBOOT
		CT30 Series	YA968
		CT310 Series	YA982
		CT3110, CT3110HP Series	YA969
Battery Boots	18V	CTB4185/CTB4187 Series	CTB4185BOOT
		CTB7185/CTB8185	CTB7185BOOT
	14.4V	CTB4145/CTB4147 Series	CTB4145BOOT

Magnetic Power Nut Drivers

- Magnets keep ferrous metal fasteners positioned in driver
- High grade alloy material for long lasting durability
- Storage case to keep tools organized under hood and bench work

Applications: Under dash


PTNDM4KA

PTND4KA Magnetic Power Nut Setter Set, inch (4pc)
Includes: 1/4", 5/16", 3/8" and 1/2" nut setters.

PTNDM4KA Magnetic Power Nut Setter Set, Metric (4pc)
Includes: 8 mm, 10 mm, 12 mm and 14 mm nut setters.

CTS561BITSET
Quick Change Bit Set

- For Snap-on® cordless screwdrivers plus other power drivers
- Quick change hex saves time changing bits
- Includes 22 bits (all 3" long) plus a 1/4" square drive (2" long)
- Storage case included


CTS561BITSET

Set Includes:

Phillips® Bits	Flat Tip Bits	TORX® Bits	Hex Bits
#0, #1, #2	5/32", 3/16", 7/16", 1/4", 9/32"	T10, T15, T20, T25, T27, T30, T40	3/32", 7/64", 1/8", 5/32", 3/16", 7/32", 1/4"

PTB32K Power Bit Set

- Ideal for use with cordless drills and screwdrivers, includes (30) 1/4" hex shank bits plus two adaptors
- Storage case clearly indicates bit type and size


PTB32K

Set Includes:

Flat Tip Bits	Hex Bits	*Phillips* Bits	POZIDRIV® Bits	*TORX* Tamper Resistant Bits	Square Bits	Adaptors
5/32", 3/16", 7/32", 1/4", 9/32"	3/32", 7/64", 1/8", 5/32", 3/16", 7/32", 1/4"	#0, #1, #2, #3	#0, #1, #2, #3	T10, T15, T20, T25, T27, T30, T40	#0, #1, #2	1/4" hex male to 1/4" square male, 1/4" hex Quick Change Coupler



YA52PBSQC

YA52PBSQC Power Bit Set (Blue-Point®)

- Ideal for use with cordless drills and screwdrivers
- Includes 49 1/4" hex shank bits in short and long lengths, two hex adaptors and quick change chuck
- Storage case holds all components

Set Includes:

Flat Tip Bits (Short)	Flat Tip Bits (Long)	Hex Bits (Short)	Hex Bits (Long)	Phillips® Bits (Short)	*Phillips* Bits (Long)	TORX® Tamper Resistant Bits (Short and Long)	Square Bits (Short and Long)	Clutch Bits (Short and Long)	Double End Bits	Adaptors
5–6, 6–8, 8–10 (2 each), 10–12	6–8, 8–10, 10–12	1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 9/32"	5/32", 3/16", 7/32"	#1, #2 (2 each), #3	#1, #2, #3	T10, T15, T20, T25, T27, T30, T40	#1, #2, #3	5/32", 3/16"	6–8 x #2 *Phillips*, 8–10 x #3 *Phillips*	1/4" hex female to 1/4" hex female, 1/4" hex male to 1/4" square male, 1/4" hex Quick Change Chuck

Double Square Bit

BTSS620 Double Square Power Bit

- Provide extra clearance and minimize tool contact with work surface
- Minimize potential damage to painted panels on RVs and trailers
- Ideal for use with all types of drills
- 6" long



BTSS620



DC15014



DCA500



AT3000-26



PDAH1A



DCBP500



DC150

Stock No.	Description	Use On	Size	Thread Size	Capacity	Includes Chuck Key
DC15014	Drill Chuck	General Use	1/4"	—	—	—
DC15038	Drill Chuck	General Use	3/8"	—	—	—
DCA375	Drill Chuck	AT3000	3/8"	3/8"-24	1/32"–3/8"	PD3A3
DCA500	Drill Chuck	AT5000	1/2"	1/2"-20	1/16"–1/2"	PD30-3
AT3000-26	Keyless Drill Chuck	AT3000	3/8"	3/8"-24	1/32"–3/8"	—
AT5000-6	Drill Chuck	AT5000	1/2"	1/2"-20	1/16"–1/2"	—
DCBP500	Keyless Drill Chuck	AT5000	1/2"	1/2"-20	1/16"–1/2"	—
DC208881	Drill Chuck	—	3/8"	3/8"-24	1/32"–3/8"	DC205989
DC666574	Drill Chuck	—	3/8"	3/8"-24	1/32"–3/8"	DC500516
DC666575	Drill Chuck	—	1/2"	1/2"-20	1/16"–1/2"	DC500516
DC666582	Drill Chuck	—	3/8"	3/8"-24	1/32"–3/8"	DC1125623
PD30-3	Chuck Key	AT5000	—	—	—	—
PD3A3	Chuck Key	PDR3A, AT800	—	—	—	—
AT5000-6-1	Chuck Key	AT5000	—	—	—	—
DC205989	S2A Chuck Key	DC208881	—	—	—	—
DC500516	S9 Chuck Key	DC666574, DC666575	—	—	—	—
DC1125623	S8 Chuck Key	DC666582	—	—	—	—

DC150 Chuck Set

- Includes 1/4" and 3/8" drill chucks, a chuck key and a set of five stubby drill bits in 1/8", 3/16", 1/4", 5/16" and 3/8" sizes
- Packaged in a storage case

PDAH1A Auxiliary Handle

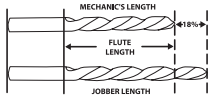
- Provides two-handed power and control when used in conjunction with air drills

⚠WARNING • Read safety precautions on pages W1 to W4

DRILL BITS



THUNDERBIT®/Cobalt Jobber Length 135° Split Point



- For drilling at higher speeds in tougher drilling conditions
- Feature 135° split points for easier drill starting without the need for center punching
- Heavy duty web construction for higher strength and less breakage
- Improved chip ejection through a specially engineered flute design

Stock No.	Size, inches	Stock No.	Size, inches
DBTBC1/16	1/16	DBTBC19/64	19/64
DBTBC5/64	5/64	DBTBC5/16	5/16
DBTBC3/32	3/32	DBTBC21/64	21/64
DBTBC7/64	7/64	DBTBC11/32	11/32
DBTBC1/8	1/8	DBTBC23/64	23/64
DBTBC9/64	9/64	DBTBC3/8	3/8
DBTBC5/32	5/32	DBTBC25/64	25/64
DBTBC11/64	11/64	DBTBC13/32	13/32
DBTBC3/16	3/16	DBTBC27/64	27/64
DBTBC13/64	13/64	DBTBC7/16	7/16
DBTBC7/32	7/32	DBTBC29/64	29/64
DBTBC15/64	15/64	DBTBC15/32	15/32
DBTBC1/4	1/4	DBTBC31/64	31/64
DBTBC17/64	17/64	DBTBC1/2	1/2
DBTBC9/32	9/32	—	—



DBTBC121



DBTBC129

DBTBC121 *THUNDERBIT* Cobalt Drill Bit Set
DBTBC1/16 through DBTBC3/8 (21 bits) in B121B metal drill index.

DBTBC129 *THUNDERBIT* Cobalt Drill Bit Set
DBTBC1/16 through DBTBC1/2 (29 bits) in B129B metal drill index.

THUNDERBIT/High Speed Steel Jobber Length 135° Split Point

- Industrial grade steel with bronze oxide surface treatment
- Bits will drill at higher speeds in tougher drilling conditions
- 135° split points for easier drill starting without the need for center punching
- Heavy duty web construction for higher strength and less breakage
- Improved chip ejection through a specially engineered flute design

Stock No.	Size, inches	Stock No.	Size, inches
DBTB1/16	1/16	DBTB19/64	19/64
DBTB5/64	5/64	DBTB5/16	5/16
DBTB3/32	3/32	DBTB21/64	21/64
DBTB7/64	7/64	DBTB11/32	11/32
DBTB1/8	1/8	DBTB23/64	23/64
DBTB9/64	9/64	DBTB3/8	3/8
DBTB5/32	5/32	DBTB25/64	25/64
DBTB11/64	11/64	DBTB13/32	13/32
DBTB3/16	3/16	DBTB27/64	27/64
DBTB13/64	13/64	DBTB7/16	7/16
DBTB7/32	7/32	DBTB29/64	29/64
DBTB15/64	15/64	DBTB15/32	15/32
DBTB1/4	1/4	DBTB31/64	31/64
DBTB17/64	17/64	DBTB1/2	1/2
DBTB9/32	9/32	—	—



DBTB121



DBTB129

DBTB121 *THUNDERBIT* High Speed Drill Bit Set
DBTB1/16 through DBTB3/8 (21 bits) in B121B metal drill index.

DBTB129 Drill Bit Set
DBTB1/16 through DBTB1/2 (29 bits) in B129B metal drill index.

High Speed Mechanic's Length 135° Point with 3 Flat Shank

Stock No.	Size, inches	Stock No.	Size, inches	Stock No.	Size, inches
DBTR1/16	1/16	DBTR7/32	7/32	DBTR3/8	3/8
DBTR5/64	5/64	DBTR15/64	15/64	DBTR25/64	25/64
DBTR3/32	3/32	DBTR1/4	1/4	DBTR13/32	13/32
DBTR7/64	7/64	DBTR17/64	17/64	DBTR27/64	27/64
DBTR1/8	1/8	DBTR9/32	9/32	DBTR7/16	7/16
DBTR9/64	9/64	DBTR19/64	19/64	DBTR29/64	29/64
DBTR5/32	5/32	DBTR5/16	5/16	DBTR15/32	15/32
DBTR11/64	11/64	DBTR21/64	21/64	DBTR31/64	31/64
DBTR3/16	3/16	DBTR11/32	11/32	DBTR1/2	1/2
DBTR13/64	13/64	DBTR23/64	23/64	—	—



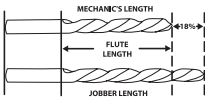
DBTR11



DBTR129

DBTR11 Drill Bit Set
DBTR1/16, DBTR3/32, DBTR1/8, DBTR5/32, DBTR3/16, DBTR7/32, DBTR1/4, DBTR9/32, DBTR5/16, DBTR11/32 and DBTR3/8 (11 bits) in a kit bag.

DBTR129 Drill Bit Set
DBTR1/16 through DBTR1/2 (29 bits) in B129B metal drill index.



Jobber Length 118° Point

Stock No.	Size, inches	Stock No.	Size, inches
DBF1/16C	1/16	DBF19/64C	19/64
DBF5/64C	5/64	DBF5/16C	5/16
DBF3/32C	3/32	DBF21/64C	21/64
DBF7/64C	7/64	DBF11/32C	11/32
DBF1/8C	1/8	DBF23/64C	23/64
DBF9/64C	9/64	DBF3/8C	3/8
DBF5/32C	5/32	DBF25/64C	25/64
DBF11/64C	11/64	DBF13/32C	13/32
DBF3/16C	3/16	DBF27/64C	27/64
DBF13/64C	13/64	DBF7/16C	7/16
DBF7/32C	7/32	DBF29/64C	29/64
DBF15/64C	15/64	DBF15/32C	15/32
DBF1/4C	1/4	DBF31/64C	31/64
DBF1764C	17/64	DBF1/2C	1/2
DBF9/32C	9/32	–	—

DB129C Drill Bit Set
DBF1/16C through DBF1/2C (29 bits) in B129C metal drill index.

DB121C Drill Bit Set
DBF1/16C through DBF3/8C (21 bits) in B121C metal drill index.

DB113C Drill Bit Set
DBF1/16C through DBF1/4C (13 bits) in B113B metal drill index.


DB129C


DB121C


DB113C

Jobber Length Letter Size 118° Point

Stock No.	Size, inches	Stock No.	Size, inches
DBAA1A	.234 (A)	DBAA1N	.302 (N)
DBAA1B	.238 (B)	DBAA1O	.316 (O)
DBAA1C	.242 (C)	DBAA1P	.323 (P)
DBAA1D	.246 (D)	DBAA1Q	.332 (Q)
DBAA1E	.250 (E)	DBAA1R	.339 (R)
DBAA1F	.257 (F)	DBAA1S	.348 (S)
DBAA1G	.261 (G)	DBAA1T	.358 (T)
DBAA1H	.266 (H)	DBAA1U	.368 (U)
DBAA1I	.272 (I)	DBAA1V	.377 (V)
DBAA1J	.277 (J)	DBAA1W	.386 (W)
DBAA1K	.281 (K)	DBAA1X	.397 (X)
DBAA1L	.290 (L)	DBAA1Y	.404 (Y)
DBAA1M	.295 (M)	DBAA1Z	.413 (Z)

DBA126B Letter Drill Bit Set
DBAA1A through DBAA1Z (26pc) (.234"–.413") in B126C metal index.


DBA126B

Jobber Length Metric Size 118° Point

Stock No.	Size, mm	Stock No.	Size, mm
DBM1A	1	DBM7.5A	7.5
DBM1.5A	1.5	DBM8A	8
DBM2A	2	DBM8.5A	8.5
DBM2.5A	2.5	DBM9A	9
DBM3A	3	DBM9.5A	9.5
DBM3.5A	3.5	DBM10A	10
DBM4A	4	DBM10.5A	10.5
DBM4.5A	4.5	DBM11A	11
DBM5A	5	DBM11.5A	11.5
DBM5.5A	5.5	DBM12A	12
DBM6A	6	DBM12.5A	12.5
DBM6.5A	6.5	DBM13A	13
DBM7A	7	–	—

DBM125C Metric Drill Bit Set
DBM1A through DBM13A (25pc) (1 mm–13 mm) in B125C metal index.


DBM125C

WARNING • Read safety precautions on pages W1 to W4

WIRE GAUGE DRILL BITS



DBC260A



DB120C

Wire Gauge 118° Point (Cobalt and High Speed Steel)

Cobalt	High Speed Steel	Decimal Equiv., inches	Length, inches	Cobalt	High Speed Steel	Decimal Equiv., inches	Length, inches
DBCE1A	DBE1B	.2280	3 7/8	DBCE41A	DBE41B	.0960	2 3/8
DBCE2A	DBE2B	.2210	3 7/8	DBCE42A	DBE42B	.0935	2 1/4
DBCE3A	DBE3B	.2130	3 3/4	DBCE43A	DBE43B	.0890	2 1/4
DBCE4A	DBE4B	.2090	3 3/4	DBCE44A	DBE44B	.0860	2 1/8
DBCE5A	DBE5B	.2055	3 3/4	DBCE45A	DBE45B	.0820	2 1/8
DBCE6A	DBE6B	.2040	3 3/4	DBCE46A	DBE46B	.0810	2 1/8
DBCE7A	DBE7B	.2010	3 5/8	DBCE47A	DBE47B	.0785	2
DBCE8A	DBE8B	.1990	3 5/8	DBCE48A	DBE48B	.0760	2
DBCE9A	DBE9B	.1960	3 5/8	DBCE49A	DBE49B	.0730	2
DBCE10A	DBE10B	.1935	3 5/8	DBCE50A	DBE50B	.0700	2
DBCE11A	DBE11B	.1910	3 1/2	DBCE51A	DBE51B	.0670	2
DBCE12A	DBE12B	.1890	3 1/2	DBCE52A	DBE52B	.0635	1 7/8
DBCE13A	DBE13B	.1850	3 1/2	DBCE53A	DBE53B	.0595	1 7/8
DBCE14A	DBE14B	.1820	3 3/8	DBCE54A	DBE54B	.0550	1 7/8
DBCE15A	DBE15B	.1800	3 3/8	DBCE55A	DBE55B	.0520	1 7/8
DBCE16A	DBE16B	.1770	3 3/8	DBCE56A	DBE56B	.0465	1 3/4
DBCE17A	DBE17B	.1730	3 3/8	DBCE57A	DBE57B	.0430	1 3/4
DBCE18A	DBE18B	.1695	3 1/4	DBCE58A	DBE58B	.0420	1 5/8
DBCE19A	DBE19B	.1660	3 1/4	DBCE59A	DBE59B	.0410	1 5/8
DBCE20A	DBE20B	.1610	3 1/4	DBCE60A	DBE60B	.0400	1 5/8
DBCE21A	DBE21B	.1590	3 1/4	–	DBE61B	.0390	1 5/8
DBCE22A	DBE22B	.1570	3 1/8	–	DBE62B	.0380	1 1/2
DBCE23A	DBE23B	.1540	3 1/8	–	DBE63B	.0370	1 1/2
DBCE24A	DBE24B	.1520	3 1/8	–	DBE64B	.0360	1 1/2
DBCE25A	DBE25B	.1495	3	–	DBE65B	.0350	1 1/2
DBCE26A	DBE26B	.1470	3	–	DBE66B	.0330	1 3/8
DBCE27A	DBE27B	.1440	3	–	DBE67B	.0320	1 3/8
DBCE28A	DBE28B	.1405	2 7/8	–	DBE68B	.0310	1 3/8
DBCE29A	DBE29B	.1360	2 7/8	–	DBE69B	.0292	1 3/8
DBCE30A	DBE30B	.1285	2 3/4	–	DBE70B	.0280	1 1/4
DBCE31A	DBE31B	.1200	2 3/4	–	DBE71B	.0260	1 1/4
DBCE32A	DBE32B	.1160	2 3/4	–	DBE72B	.0250	1 1/8
DBCE33A	DBE33B	.1130	2 5/8	–	DBE73B	.0240	1 1/8
DBCE34A	DBE34B	.1110	2 5/8	–	DBE74B	.0225	1
DBCE35A	DBE35B	.1100	2 5/8	–	DBE75B	.0210	1
DBCE36A	DBE36B	.1065	2 1/2	–	DBE76B	.0200	7/8
DBCE37A	DBE37B	.1040	2 1/2	–	DBE77B	.0180	7/8
DBCE38A	DBE38B	.1015	2 1/2	–	DBE78B	.0160	7/8
DBCE39A	DBE39B	.0995	2 3/8	–	DBE79B	.0145	3/4
DBCE40A	DBE40B	.0980	2 3/8	–	DBE80B	.0135	3/4

DBC260A Cobalt Drill Bit Set
DBCE1A through DBCE60A (60pc) (.2280"–.0400") in a B160C metal index.

DB160C High Speed Drill Bit Set
DBE1B through DBE60B (60pc) (.2280"–.0400") in a B160C metal index.

DB120C High Speed Drill Bit Set
DBE61B through DBE80B (20pc) (.0390"–.0135") in a metal index.



DBBPC21

Jobber Length 135° Split Point (Cobalt)

Stock No.	Size, inches	Stock No.	Size, inches
DBBPC1/16	1/16	DBBPC15/64	15/64
DBBPC5/64	5/64	DBBPC1/4	1/4
DBBPC3/32	3/32	DBBPC17/64	17/64
DBBPC7/64	7/64	DBBPC9/32	9/32
DBBPC1/8	1/8	DBBPC19/64	19/64
DBBPC9/64	9/64	DBBPC5/16	5/16
DBBPC5/32	5/32	DBBPC21/64	21/64
DBBPC11/64	11/64	DBBPC11/32	11/32
DBBPC3/16	3/16	DBBPC23/64	23/64
DBBPC13/64	13/64	DBBPC3/8	3/8
DBBPC7/32	7/32	–	—

DBBPC21 Cobalt Drill Bit Set
DBBPC1/16 through DBBPC3/8 (21pc) (1/16"–3/8") in metal drill bit index.



DBBP21

Jobber Length 135° Split Point (High Speed Steel)

Stock No.	Size, inches	Stock No.	Size, inches
DBBP1/16	1/16	DBBP15/64	15/64
DBBP5/64	5/64	DBBP1/4	1/4
DBBP3/32	3/32	DBBP17/64	17/64
DBBP7/64	7/64	DBBP9/32	9/32
DBBP1/8	1/8	DBBP19/64	19/64
DBBP9/64	9/64	DBBP5/16	5/16
DBBP5/32	5/32	DBBP21/64	21/64
DBBP11/64	11/64	DBBP11/32	11/32
DBBP3/16	3/16	DBBP23/64	23/64
DBBP13/64	13/64	DBBP3/8	3/8
DBBP7/32	7/32	–	—

DBBP21 HSS Drill Bit Set
DBBP1/16 through DBBP3/8 (21pc) (1/16"–3/8") in metal drill bit index.



DBBPT13

135° Split Point (High Speed Steel) (Titanium Coated)

Stock No.	Size, inches
DBBPT1/16	1/16
DBBPT5/64	5/64
DBBPT3/32	3/32
DBBPT7/64	7/64
DBBPT1/8	1/8
DBBPT9/64	9/64
DBBPT5/32	5/32
DBBPT11/64	11/64
DBBPT3/16	3/16
DBBPT13/64	13/64
DBBPT7/32	7/32
DBBPT15/64	15/64
DBBPT1/4	1/4

DBBPT13 Titanium Coated Steel Drill Bit Set
DBBPT1/16 through DBBPT1/4 (13pc) (1/16"–1/4") in metal drill bit index.

SPECIALIZED DRILL BITS



DBCL105A

Left Hand Fractional Drill Bits (Cobalt)

Stock No.	Size, inches
DBCL5/64A	5/64
DBCL7/64A	7/64
DBCL5/32A	5/32
DBCL3/16	3/16
DBCL1/4A	1/4
DBCL9/32	9/32
DBCL19/64A	19/64
DBCL5/16	5/16
DBCL11/32	11/32
DBCL3/8	3/8
DBCL13/32	13/32
DBCL7/16	7/16
DBCL15/32	15/32
DBCL1/2	1/2

DBCL105A Left Hand Drill Bit Set
DBCL5/64, DBCL7/64, DBCL5/32, DBCL1/4 and DBCL19/64 drill bits (5pc) in a plastic pouch.



DBLS105A

Left Hand Fractional Drill Bits (High Speed Steel)

- Use left hand drill bits to make a hole in the broken screw before the extractor is inserted
- Left hand drill bits tend to loosen screws for easier removal

Stock No.	Size, inches	Flute Length, inches	Overall Length, inches
DBLS1/8A	1/8	1 3/8	3
DBLS3/16A	3/16	2	3 1/2
DBLS1/4A	1/4	2 1/2	4
DBLS5/16A	5/16	2 5/8	4 1/2
DBLS11/32A	11/32	2 3/4	4 1/2

DBLS105A Left Hand Drill Bit Set
DBLS1/8 through DBLS11/32 (5pc) in a plastic pouch.



DBH11B

Hex Shank

- Shank hex size is 1/4"

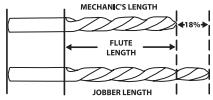
Stock No.	Size, inches
DBH1/16B	1/16
DBH3/32B	3/32
DBH1/8B	1/8
DBH5/32B	5/32
DBH3/16B	3/16
DBH7/32B	7/32
DBH1/4BB	1/4
DBH9/32B	9/32
DBH5/16B	5/16
DBH11/32B	11/32
DBH3/8B	3/8

DBH7B Hex Shank Drill Bit Set
- Includes DBH1/16B through DBH1/4BB (1/16"–1/4") (7pc) in DBH7B-1 kit bag

DBH11B Hex Shank Drill Bit Set
- Includes DBH1/16B through DBH3/8B (1/16"–3/8") (11pc) in DBH11B-1 kit bag

WARNING • Read safety precautions on pages W1 to W4

SPECIALIZED DRILL BITS





DBD1/4A



DBD110A



DBD1/8AMP10



DBK7A



CSE485B



YA409

Kit includes:
YA409 Drive unit; Chucking spud
YA409-316M 3/16" bit, 1 1/4" long
YA409-18L 1/8" bit, 2 1/8" long
YA409-332L 3/32" bit, 2 1/8" long
YA409-18M 1/8" bit, 1 1/4" long
YA409-532M 5/32" bit, 1 1/4" long
YA409-18S 1/8" bit, 3/4" long
YA409-15 Storage Case

Double Ended 135° Split Point

- DBD7/64A through DBD30A (10pc)
- (7/64" to #30) in a plastic pouch

Set Contains: DBD110A

Stock No.	Size	
DBD7/64A	7/64"	•
DBD1/8A	1/8"	•
DBD9/64A	9/64"	•
DBD5/32A	5/32"	•
DBD3/16A	3/16"	•
DBD7/32A	7/32"	•
DBD1/4A	1/4"	•
DBD11A	#11	•
DBD20A	#20	•
DBD30A	#30	•

DBD1/8AMP10 Double Ended Drill Bit (10 pack)
10 pack of DBD1/8A drill bits

Aircraft Length 135° Split Point

Extra long bits for drilling thick materials.

Set Contains: DBK7A

Stock No.	Size, inches	Flute Length, inches	Length, inches	
DBT1/8A	1/8	1 5/8	12	•
DBT3/16A	3/16	2 1/4	12	•
DBT1/4A	1/4	2 3/4	12	•
DBT5/16A	5/16	3 1/4	12	•
DBT3/8A	3/8	3 3/4	12	•
DBT7/16A	7/16	4	12	•
DBT1/2A	1/2	4 1/2	12	•

1/2" Reduced Shank Drill Bits 118° Point

- Ideal for cutting in low and medium tensile strength materials
- Flatted shank provides a more secure grip for the drill chuck

Stock No.	Size, inches
CSE345B	17/32
CSE365B	9/16
CSE375*	37/64
CSE385B	19/32
CSE405B	5/8
CSE425B	21/32
CSE445B	11/16
CSE465B	23/32
CSE475*	45/64
CSE485B	3/4
CSE505B	25/32
CSE525B	13/16
CSE565B	7/8
CSE575*	59/64
CSE605B	15/16
CSE645B	1

*Use with TDP6 pipe tap set.

90° Angle Drill Bits

Size	2 1/8" Long Bit Stock No.	1 1/4" Medium Bit Stock No.	3/4" Short Bit Stock No.
#10	YA409-10L	YA409-10M	YA409-10S
#11	–	–	YA409-11S
#13	–	–	YA409-13S
#20	–	–	YA409-20S
#21	–	–	YA409-21S
#27	–	–	YA409-27S
#30	YA409-30L	YA409-30M	YA409-30S
#40	YA409-40L	YA409-40M	YA409-40S
3/32"	YA409-332L	YA409-332M	YA409-332S
1/8"	YA409-18L	YA409-18M	YA409-18S
5/32"	YA409-532L	YA409-532M	YA409-532S
3/16"	YA409-316L	YA409-316M	YA409-316S
1/4"	YA409-14L	YA409-14M	YA409-14S

YA409 90° Angle Drill Kit
- Allows drilling up to 1/4" holes in confined areas by positioning the bit at a 90° angle to the drill
- Threaded drill bits provide consistent concentricity and eliminate slippage

YA409-6 Threaded Collet
Allows the use of 1/4" diameter shank grinding burrs and abrasive wheels.

Titanium Nitride Step Drills

- Titanium nitride coating creates a surface hardness that makes these tools last four to five times longer than ordinary drill bits
- Surface coating also reduces friction, resulting in a tool that runs cooler while running dry



YA1TA

Stock No.	Size Range	Increments	Shank Size	Hole Sizes Per Bit	Length, inches
YA1TA	1/8"–1/2"	1/32"	1/4"	13	3 1/4
YA2TA	3/16"–1/2"	1/16"	1/4"	6	3 1/4
YA3TA	1/4"–3/4"	1/16"	3/8"	9	2 5/8
YA4TA	3/16"–7/8"	1/16"	3/8"	12	3
YA1MTA	4–12 mm	1 mm	1/4"–6.5 mm	9	3 1/4
YA3MTA	6–18 mm	2 mm	3/8"–10 mm	7	2 5/8
YA4MTA	4–22 mm	2 mm	3/8"–10 mm	10	3
YA5MTA	5–35 mm	2–3 mm	1/2"–13 mm	13	3 3/32



YA263A

Step Drills

Stock No.	Size Range, inches	Increments, inches	Shank Size, inches	Hole Sizes Per Bit	Length, inches	Set Contains: YAS203A
YA261A	1/8–1/2	1/32	1/4	13	3 1/4	•
YA262A	3/16–1/2	1/16	1/4	6	3 3/8	•
YA265A	3/8	—	1/4	1	1 5/8	
YA263A	1/4–3/4	1/16	3/8	9	2 5/8	•
YA267A	3/16–7/8	1/16	3/8	12	3	
YA266A	9/16–1	1/16	1/2	8	2 1/2	

Hole Saws and Arbors

- High speed cutting edge welded to an alloy steel back to absorb shocks
- Cut clean, accurate holes in steel and cast iron pipe, steel plates, aluminum, copper, brass, stainless-steel, wood or plastic
- Side slits make it easy to knock out the spent disks

Stock No.	Dia., inches	Recommended Arbors	Stock No.	Dia., inches	Recommended Arbors
LHS18D	9/16	LHS1C, LHS6C	LHS48D	1 1/2	LHS3D
LHS20D	5/8	LHS1C, LHS6C	LHS50D	1 9/16	LHS3D
LHS22D	11/16	LHS1C, LHS6C	LHS52D	1 5/8	LHS3D
LHS24D	3/4	LHS1C, LHS6C	LHS54D	1 11/16	LHS3D
LHS26D	13/16	LHS1C, LHS6C	LHS56D	1 3/4	LHS3D
LHS28D	7/8	LHS1C, LHS6C	LHS58D	1 13/16	LHS3D
LHS30D	15/16	LHS1C, LHS6C	LHS60D	1 7/8	LHS3D
LHS32D	1	LHS1C, LHS6C	LHS64D	2	LHS3D
LHS34D	1 1/16	LHS1C, LHS6C	LHS66D	2 1/16	LHS3D
LHS36D	1 1/8	LHS1C, LHS6C	LHS68D	2 1/8	LHS3D
LHS38D	1 3/16	LHS1C, LHS6C	LHS72D	2 1/4	LHS3D
LHS40D	1 1/4	LHS3D	LHS76D	2 3/8	LHS3D
LHS42D	1 5/16	LHS3D	LHS80D	2 1/2	LHS3D
LHS44D	1 3/8	LHS3D	LHS88D	2 3/4	LHS3D
LHS46D	1 7/16	LHS3D	LHS96D	3	LHS3D



LHS18D



LHS48D



LHS64D



LHS608B



LHS606D

LHS608B Hole Saw and Arbor Kit
Includes LHS44D, LHS48D, LHS56D, LHS64D, LHS80D and LHS96D hole saws plus LHS6C and LHS3D arbors and LHS8C arbor adaptor (9pc) in storage case. Recommended speed charts are included.

LHS606D Hole Saw and Arbor Kit
Includes LHS24D, LHS28D, LHS32D, LHS36D and LHS40D hole saws plus LHS6C arbor and LHS8C arbor adaptor (7pc) in storage case. Recommended speed charts are included.

Hole Saw Arbors and Pilot Drills

Stock No.	Thread Size	Fits Saws, inches	Fits Drill Chucks, inches	Replacement Pilot Drill
LHS5C	1/2"-20	9/16–1 3/16	1/4	LHS4D
LHS6C	1/2"-20	9/16–1 3/16	3/8	LHS4D
LHS1C	1/2"-20	9/16–1 3/16	1/2	LHS4D
LHS3D	5/8"-18	1 1/4–6	3/8	LHS4D
LHS8C	Arbor adaptor to convert 1/2"-20 thread to 5/8"-18			



LHS5C



LHS6C



LHS1C



LHS3D



LHS8C

DRILLING ACCESSORIES



R120



DEBUR300



CL6



YA246A

R120 Tapered Reamer
- Tapers from 1/8"–1/2"
- Ideal for removing burrs and enlarging holes
- Includes crossbar

R121 Tapered Reamer
- Tapers from 1/2"–1"
- Similar to R120 but has a 3/8" square head for use with socket wrenches when extra torque is required

DEBUR300 Deburring Tool
- Easily deburr drilled and machined holes
- Pushbutton locking collet enables quick, easy blade changes
- Includes three round head deburring blades
- Blades store in handle of tool
- Weighs 1 lb
- 6" long

CL6 Cutting Oil
- Superior antiweld and lubricating properties reduce heat buildup in drill bits, grinding burrs and other metal cutting tools
- 1 pt bottle

YA246A Micro Utility Drill Set
- Knurled surface at chuck end of pin vise provides a sure gripping surface
- Long 1 7/8" drill length
- Includes pin vise and 12 precision HSS twist drills from .0635"–.0225", numbers 52–74

Applications: Fuel injectors, fuel lines, welding and soldering torch tips, shower heads, water jets, electronics and hobbies.

SANDER ACCESSORIES



PS4612-1AH



PS4612V-1AH



PSV4312KIT PSV4612KIT



PS468-34V



PS468-34HL



YA7341

Replacement Pads

Stock No.	Size, inches	Type	Style	Use on:
PS4312-1H	3	PSA	Vacuum/Non-vacuum	PSF4312
PS4312-2H	3	Velcro®	Vacuum/Non-vacuum	PSF4312
PS4512-1AH	5	PSA	Non-vacuum	PS4512
PS4512V-1AH	5	PSA	Vacuum	PS4512
PS4512-2H	5	*Velcro*	Non-vacuum	PS4512
PS4512V-2H	5	*Velcro*	Vacuum	PS4512
PS4612-1AH	6	PSA	Non-vacuum	PS4612 & PSF4612
PS4612V-1AH	6	PSA	Vacuum	PS4612 & PSF4612
PS4612-2H	6	*Velcro*	Non-vacuum	PS4612 & PSF4612
PS4612V-2H	6	*Velcro*	Vacuum	PS4612 & PSF4612

Vacuum Adaptor Kits (contains vacuum adaptor & shroud)		
PSV4312KIT	Vacum Kit for 3" Sanders	PSF4312
PSV4612KIT	Vacuum Kit, 5" & 6" Sanders	PS4512, PS4612 & PSF4612

Stock No.	Size, inches	Type	Style	Use on:
PS468-34	6	PSA	Non-vacuum	PS4609
PS468-34V	6	PSA	Vacuum	PS4609V
PS468-34HL	6	*Velcro*	Non-vacuum	PS4609
PS468-34VHL	6	*Velcro*	Vacuum	PS4609V
PS468-35	8	PSA	Non-vacuum	PS4809
PS468-35V	8	PSA	Vacuum	PS4809V
PS468-35HL	8	*Velcro*	Non-vacuum	PS4809
PS468-35VHL	8	*Velcro*	Vacuum	PS4809V
AT116-3	2	Roloc®	Non-vacuum	AT401MCA
AT116-4	3	*Roloc*	Non-vacuum	AT401MCA
AT402VEL75MM	3	*Velcro*	Non-vacuum	AT402MCA & AT403MCA
AT406B33	6	PSA	Non-vacuum	AT406B
AT406B30	6	*Velcro*	Non-vacuum	AT406B

Tune-up Kits (contains seals, o-rings, washers, valve, rotor & vanes)		
PS46-TK	Tune-up Kit for 5" & 6" Sanders	PS4512, PS4612 & PSF4612

YA7341 Bonnet Cleaning Tool
- Run the spur wheels over your buffing pad or bonnet and it will work to dislodge and remove dry, hardened polish

Micro Tool Accessory Kits



AT401ACCKIT

AT401ACCKIT Micro Surface Prep Accessory Kit
- 1/4 turn abrasive disc in two different grits helps get the job of removing rust or gasket material done quickly, even in confined areas
- Kit contains all the consumables needed to restore a Micro Surface Prep Tool Kit back to new
- Kit includes one 2" *ROLOC* Pad 1/4" x 20T, one 3" *ROLOC* Pad 1/4" x 20T, five 2" 40 grit pads and five 3" 80 grit pads



AT402ACCKIT

AT402ACCKIT Micro Dual Action Sander Accessory Kit
- Fresh backing pad with all the sanding disc needed to work the surface down until it is ready for paint
- Kit contains all the consumables needed to restore a Micro Dual Action Sander Tool Kit back to new
- Kit includes one 3" *Velcro* Pad 5/16" x 24T, (25) 3" 180 Grit pads, (25) 3" 220 Grit pads, ten 3" 320 Grit pads and ten 3" 800 Grit pads



AT403ACCKIT

AT403ACCKIT Micro Polisher Accessory Kit
- All the pads needed to go from buffing to final polish
- Kit contains all the consumables needed to restore a Micro Polisher Tool Kit back to new
- Kit includes one 3" *Velcro* Pad 5/16" x 24T, one 3" Wool Pad and one Foam Waffle Pad


AC3D


AC16D


AC6B


AC240B


AC241B


AC208A


AC204C


AC339A

Style/Application	Stock No.	Brush Diameter, inches	Shank Size Arbor Size, inches	Wire Diameter, inches	Maximum Rated RPM
Crimped for removing carbon from cylinder heads and valve parts	**AC2D**	1	1/4	.020	20,000
	AC3D	3/4	1/4	.020	20,000
Solid end for cleaning aluminum cylinder heads and transmission parts	**AC16D**	3/4	1/4	.006	20,000
Spiral twist for removing heavy deposits	**AC6B**	3/4	1/4	.014	20,000
	AC7E	1	1/4	.020	20,000
Cup type for cleaning wheel rims and scuffing tires	**AC240B**	1 1/2	1/4	.012	6,000
Hollow end crimped cup for light duty cleaning	**AC241B**	2 1/2	1/4	.012	6,000
Cup flared for deburring, cleaning hard-to-reach areas and wheel rims, and scuffing tires	**AC208A**	1 1/2	1/4	.008	20,000
	AC212A	1 1/2	1/4	.012	20,000
	AC214A	2 1/2	1/4	.014	18,000
	AC224A	3	1/4	.014	15,000
Encapsulated wire end brushes for a consistent stiff brushing action	**AC204C**	1/2	1/4	.014	8,000
	AC205C	3/4	1/4	.014	8,000
	AC206C	1	1/4	.014	8,000
Knot type, single row wire cup for heavy duty surface applications	**AC339A**	3	5/8-11	.020	12,500
	AC341B	3	5/8-11	.012	7,000
	AC342B	4	5/8-11	.020	7,000


AC420A


AC616

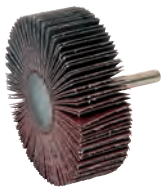

AC17D


AC243


AC10306


A24C


AC4Z60T27MP


AC3180FWMP



AC13002

	Stock No.	Brush Diameter, inches	Shank Size Arbor Size, inches	Wire Diameter, inches	Maximum Rated RPM
Knotted Wire Wheel for heavy duty cleaning	**AC420A**	4	5/8-11	.020	20,000
	AC421A	4	M10 x 1.25	.020	20,000
Crimped Wire Wheel general purpose cleaner	**AC616**	3	1/4	.0118	20,000
Wire Brush medium duty general cleaner	**AC17D**	1	1/4	.006	20,000
	AC243	3	5/8-11	.014	14,000
End Brush ideal for cleaning right angle	**AC10302**	1/2	1/4	.014	25,000
	AC10306	3/4	1/4	.014	22,000

A24C Arbor Adaptor

- Adapts electric drill to light duty grinding and wire brushing: use with wheels and brushes up to 4" in diameter
- Shank is 1/4": arbor is 1/2" in diameter; Length is 1 3/4"
- Maximum rated RPM: 20,000

	Stock No.	Diameter, inches	Type	Grit	Quantity to Pack
Flap Discs	**AC2Z40T27MP**	2	27	40	10
	AC2Z60T27MP	2	27	60	10
	AC2Z80T27MP	2	27	80	10
	AC3Z40T27MP	3	27	40	10
	AC3Z60T27MP	3	27	60	10
	AC3Z80T27MP	3	27	80	10
	AC4Z60T27MP	4	27	60	10
Flap Wheels	**AC3160FWMP**	3	—	60	10
	AC3180FWMP	3	—	80	10
	AC31120FWMP	3	—	120	10

AC13002 Drill Accessory Kit

- Includes AC616 crimped wire wheel, AC240B crimped wire cup brush, AC3D crimped wire end brush and AC3180FWMP abrasive flap wheel

ACMANDREL Mandrel

- 1/4" stem for use on 2" and 3" flap discs

⚠WARNING

- Do not use power tool accessories above their maximum rated RPM
- Read safety precautions on pages W1 to W4

CUTTING AND GRINDING ACCESSORIES Blue-Point®



AT415CWMP

AT415CWMP Cut Off Wheel
- Use for metal notching and bolt cutting
- Use on 4 1/2" grinders with 5/8 x 11" thread arbor
- Maximum rated RPM: 13,300
- Front and back illustrated
- Package of five discs



AT415T27MP

AT415T27MP Grinding Wheel
- Use for rough grinding applications
- Use on 4 1/2" grinders with 5/8 x 11" thread arbor
- Maximum rated RPM: 13,300
- Package of five discs



ETA125A

ETA125A Grinding Wheel Set
- Use with ET1350/ET1360
- Maximum rated RPM: 12,000
- Package of five discs



AT415-20B

AT415-20B Grinding Disc
- For AT415B grinder
- 4" diameter x 3/16" thick with 5/8" arbor hole
- Maximum rated RPM: 12,000
- Package of five discs



AT415A51

AT415A51 Grinding Discs
- For AT415B grinder
- 4 1/2" diameter x 3/16" thick with 7/8" arbor hole
- Maximum rated RPM: 12,000
- Package of five discs



ETA250A

ETA250A Grinding Wheel Set
- 1/4" x 4 1/2" x 7/8"
- Grit coarse (24)
- Maximum rated RPM: 12,000

AT116-3 ROLOC® Pad
- 2" *ROLOC* Pad with 1/4" shaft
- Optional accessory for the AT116 Die Grinder

AT116-4 *ROLOC* Pad
- 3" *ROLOC* Pad with 1/4" shaft
- Optional accessory for the AT116 Die Grinder



AT150C28A

AT150C28A Cutter Wheels
- 3" diameter x 1/32" thick with 3/8" arbor hole
- 54 grit
- Maximum rated RPM: 25,000
- Package of six discs

AT150C29A Cutter Wheels
- 3" diameter x 3/32" thick with 3/8" arbor hole
- 54 Grit
- Maximum rated RPM: 25,000



AC13001

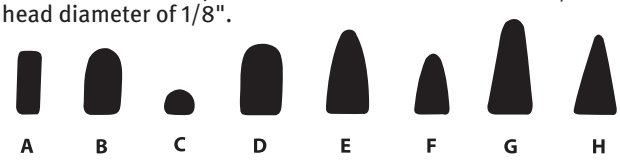
AC13001 Mini Grinder Kit
- Includes AC4Z60T27MP flap disc max RPM 13,000, AC339A knot cup brush max RPM 14,000 and AC402A knot wire wheel, max RPM 20,000



AC13003

AC13003 Cut/Grind/Finish Kit
- Includes AC4Z60T27MP flap disc max RPM 13,000, AC339A knot cup brush max RPM 14,000, AT415T27MP grinding wheel max RPM 13,300 and two AT415CWMP cut off wheels max RPM 13,500

Grinding burrs are ideal for use with Snap-on® die grinders described on p.476–477. 1/4" and 1/8" shank burrs are available, all with solid carbide heads. The 1/8" shank units all have a maximum head diameter of 1/8".



1/4" Shank, Burrs

Style/Application	Stock No.	Style	Shank Length, in.	Flute Length, in.	Head Dia., in.	Recommended RPM Cast Iron	Recommended RPM Stainless	Set Contains: VWB800D	VWBL400	VWB200C
1/4" Shank, Burrs Generally used for ferrous metals	**VWB1C**	A	—	5/8	1/4	22,000	23,000	•		
	VWB9B	A	—	1	1/2	16,000	24,000			
	VWB2B	B	—	3/4	3/8	18,000	27,000	•		
	VWB10B	B	—	1	1/2	16,000	24,000			
	VWB3B	C	—	1/4	5/16	20,000	30,000	•		
	VWB4B	D	—	7/8	1/2	16,000	24,000	•		
	VWB11B	E	—	3/4	3/8	18,000	27,000			
	VWB5B	E	—	1	1/2	16,000	24,000	•		
	VWB6B	F	—	3/4	3/8	18,000	27,000	•		
	VWB7B	G	—	1 1/8	1/2	16,000	24,000	•		
	VWB12B	G	—	1 1/16	3/8	18,000	27,000			
	VWB8B	H	—	7/8	1/2	16,000	24,000	•		
1/4" Shank, Long Reach Burrs Use for surface conditioning of non-ferrous materials like magnesium, soft steel and hard plastic plus porting of aluminum engine parts	**VWBL401**	—	4	—	3/8	14,000	17,000		•	
	VWBL402	—	4	—	3/8	14,000	17,000		•	
	VWBL403	—	4	—	3/8	14,000	17,000		•	
	VWBL404	—	4	—	3/8	14,000	17,000		•	
1/4" Shank, Wide Fluted Burrs For non-ferrous metals, plastics, and softer material	**VWB206C**	A	—	1	1/2	15,000	25,000			•
	VWB204C	A	—	3/4	1/4	15,000	25,000			•
	VWB203C	B	—	1	1/2	15,000	25,000			•
	VWB202C	E	—	1	1/2	15,000	25,000			•
	VWB201C	G	—	1 1/8	1/2	15,000	25,000			•
	VWB205C	G	—	1 1/16	3/8	15,000	25,000			•


VWB800D


VWBL400


VWB200C

1/8" Shank, Burrs

Stock No.	Style	Flute Length, in.	Recommended RPM Cast Iron	Recommended RPM Stainless	Set Contains: VWB700B
VWB301B	A	9/16	20,000	75,000	•
VWB302B	B	9/16	20,000	75,000	•
VWB303B	C	1/8	20,000	75,000	•
VWB304B	D	7/32	20,000	75,000	•
VWB305B	E	1/2	20,000	75,000	•
VWB306B	F	3/8	20,000	75,000	•
VWB307B	G	1/2	20,000	75,000	•
VWB308B	H	7/16	20,000	75,000	•


VWB700B

1/4" Shank, Mounted Points

Stock No.	Size, inches	Maximum RPM	Set Contains: VWB500
VWB501	11/16 x 1 1/4	28,000	•
VWB502	3/4 x 3/4	28,000	•
VWB503	3/4 x 1 1/8	28,000	
VWB504	1/4 x 1 3/4	28,000	•
VWB505	3/4 x 1 1/4	28,000	•
VWB506	3/8 x 1	28,000	•
VWB507	1/4 x 1 1/4	28,000	
VWB508	11/16 x 7/8	28,000	


VWB501 **VWB502** **VWB503** **VWB504**
VWB505 **VWB506** **VWB507** **VWB508**

⚠WARNING

- Do not use power tool accessories above their maximum rated RPM
- Read safety precautions on pages W1 to W4

AIR HAMMER ACCESSORIES


PHG63A


PHG64A


PHG76A


PHG21


PH75A


PHG85A


PHG57A


PHG73A


PHG58B


PHG111


PHG95A


PHG65A


PHG87A


PH201


PHG74A

Air Hammer Bits

Stock No.	Description	Application	Length, inches	Tip, inches	Set Contains: PHG1005AK	PHG1055K	PHG1066K
PHG94A	Ball Joint/Tie Rod Separator	For separating ball joints and tie rods	7 13/16	5/8 opening			
PHG63A	Ball Joint/Tie Rod Separator	For separating ball joints and tie rods	7 3/8	13/16 opening			
PHG69A	Ball Joint/Tie Rod Separator	For separating ball joints and tie rods	7 3/8	1 opening			
PHG93A	Ball Joint/Tie Rod Separator	For separating ball joints and tie rods	8 3/4	1 1/4 opening			
PHG64A	Bent End Chisel	Shears ball joint rivets	10 1/2	5/8			
PHG76A	Bushing Cutter	For bushing cutting	6 1/4	1/2			
PHG21	Offset Bushing Splitter	For bushing cutting, when extra reach is needed	8 3/8	5/8			
PH75A	Bushing Driver	For pneumatic bushing driving	5 1/2	1/2			
PHG85A	Curved Flat Chisel	For rivet cutting work	5 3/4	5/8			
PHG57A	Double Bladed Panel Cutter	For panels cutting and sheet metal cutting	6	3/4	•	•	
PHG73A	Drift Punch	For punching out pins and other driving applications	6 1/2	1/2		•	•
PHG77	Straight Punch	For punching out pins and other driving applications that need extra reach	18	1/2			
PHG55A	Flat Chisel	For normal chisel cutting applications	6 1/2	3/4	•	•	•
PHG58B	Flat Chisel	For normal chisel cutting applications, when extra reach is needed	10	3/4			•
PHG84A	Flat Chisel	For hammering application, when extra reach is needed	18	3/4			
PHG99	Flat Chisel	For normal chisel cutting applications, when a wide blade is needed	6 1/2	1 1/2			
PHG111	Hinge Pin Driver	Remove and install tube-hinge pins on car and truck doors	7 3/8	0.237			
PHG112	Hinge Pin Driver	Remove and install tube-hinge pins on car and truck doors	7 3/8	0.302			
PHG95A	Hole Punch	Punches 3/16" diameter starting hole in sheet metal to prepare it for use with CJ107 and CJ114 Body Dent Pullers	5 5/8	—			
PHG65A	Outside Cutter	For cutting the muffler flange	8 5/8	7/8			
PHG66A	Inside Cutter	For cutting the exhaust pipe inside the flange	8 3/4	3/16			
PHG87A	Muffler Cutter	For removing the tail pipe	8 3/4	7/8			
PH201	Needle Scaler	Projecting rods chip away rust and scale. Use only at low pressure	7 13/16	—			
PHG74A	Riveter	For 3/16" stem	5 13/16	1/2			


PHG71A


PHG56A


PHG51A


PHG1005AK


PHG61A


PH1038


PHG70A


PHG1055K


PHG59A


PHG72A


PHG83A


PH200D


PHG151A


PHG161A


PHG155A

Stock No.	Description	Application	Length, inches	Tip, inches	Set Contains: PHG1005AK	PHG1055K	PHG1066K
PHG78A	Riveter	For 1/4" stem	5 13/16	1/2			
PHG88A	Riveter	For forming heads on 3/16" compression rivets	5 13/16	1/2			
PHG89A	Riveter	For forming heads on 1/4" compression rivets	3 7/8	7/8			
PHG71A	Round Hammer	For hammering applications	4 1/4	1			•
PHG68	Round Hammer	For hammering application, when extra reach is needed	7	1		•	•
PHG56A	Scraper	For scraping applications	6 3/16	1 5/16			
PHG51A	Sheet Metal Ripper	For sheet metal ripping and cutting	5 3/8	5/8	•		
PHG61A	Slitting Chisel	For cutting tail pipes and other surfaces	6 7/8	1	•		
PH1038	Air Hammer Socket Adaptor	Attaches to air hammer to provide vibration while turning stubborn fasteners, 3/4" hex, 3/8" square drive	5	—			
PHG70A	Spot Weld Breaker	For weld removal	6 1/4	3/4	•		
PHG59A	Tapered Punch	For removal of pins	6 1/2	3/16		•	•
PHG72A	U-Joint Trunion Driver	For needle type trunions	3 7/8	7/8			
PHG83A	Valve Guide Remover	For removing and installing valve guides	190 mm	7.7 mm pilot			
PHG86A	Valve Guide Remover	For removing and installing valve guides	190 mm	9.3 mm pilot			
PHG91A	Valve Guide Remover	For removing and installing valve guides	189 mm	6.5 mm pilot			
PHG96A	Valve Guide Remover	For removing and installing valve guides	189 mm	6.9 mm pilot			
PHG97A	Valve Guide Remover	For removing and installing valve guides	189 mm	5.2 mm pilot			
PHG151A	Panel Cutter	Edges and trims sheet metal. Cutting end is offset 25°. Non-turn shank	6 7/8	5/8			
PHG161A	Slitting Chisel	Cuts exhaust system pipes, 1/8" tip thickness. Non-turn shank	8 3/4	1			
PHG155A	Cold Chisel	Cuts bolts, nuts, tees and angles. Also splits and bevels. Non-turn shank	7	21/32			
PH200D	Universal Quick Change Chuck Retainer	Use for fast, easy insertion/removal of air hammer bits	—	—			
C0508	Kit Bag				•	•	

⚠WARNING

- Use air hammer accessories only for their intended applications, replace when worn or broken
- Read safety precautions on pages W1 to W4

AIR HAMMER ACCESSORIES



PHG1004RP

Rolling Pin Punches

Stock No.	Description	Application	Length, inches	Tip, inches	Set Contains: PHG1004RP
PHG79A	Roll Pin Punch	For removing and installing roll pins	7 1/2	3/8	•
PHG80A	Roll Pin Punch	For removing and installing roll pins	7 1/2	1/4	•
PHG81A	Roll Pin Punch	For removing and installing roll pins	7 1/2	5/16	•
PHG821	Roll Pin Punch	For removing and installing roll pins	7 1/2	1/2	•



PHGL37KT

Extra Long Drift Punches

Stock No.	Description	Application	Length, inches	Tip, inches	Set Contains: PHGL37KT
PHGL78	Extra Long Punch Drift	Loosens hard to reach rusty bolts and fasteners	5	5/16	•
PHGL710	Extra Long Punch Drift	Loosens hard to reach rusty bolts and fasteners	5	3/8	•
PHGL712	Extra Long Punch Drift	Loosens hard to reach rusty bolts and fasteners	5	1/2	•

PHGL37KT Extra Long Punch Drift Set
- Includes PHGL78, PHGL710 and PHGL712 Extra Long Drift Punches (3pc) in PHGL37-KB Storage Pouch

IMPACT WRENCH AND RATCHET ACCESSORIES



MRB25



YA4190A



YA4190CAPA



YA4190FAR



YA4190DIS

MRB25 Magnetic Impact Wrench Holder
- Attach to lift post, tool storage unit or cart to keep impact gun handy
- Ideal for tire and wheel shops
- 160 lb of magnetic force
- Outer diameter of base is 3 7/8"
- Inner diameter of holder is 2 7/8"

YA4190A Mini Grease Gun
- Fits all flush type fittings
- Good for FAR72B/FAR70 series air ratchets
- Spring return plunger
- 3 oz capacity

YA4190CAPA Grease Gun Head

YA4190FAR Grease Gun Assembly

YA4190DIS Grease Dispenser
- Grease dispenser attachment for YA4190A
- Contains 3 oz of Mobil® temp SHC-32 grease for Snap-on® FAR series air ratchets

AIR AND RECIPROCATING SAW BLADES



ASB4-42

Air Saw Blades

Stock No.	Application/Material Thickness	Teeth per Inch	Blade Length, inches	Qty Each
ASB4-42	Over 0.20"	18	3 5/8	10 each
ASB4-43	0.08"–0.20"	24	3 5/8	10 each
ASB4-44	0.00"–0.08"	32	3 5/8	10 each

Metal Cutting Blades

Bi-metal reciprocating saw blades with precision ground teeth for maximum cutting power, greater control and higher speed.

Stock No.	Application/Material Thickness	Teeth per inch	Blade Thickness, inches	Blade Length, inches	Qty Each
CTRS614MC	Metal 1/8"–3/8" thick	14	.035	6	5 each
CTRS914MC	Metal 1/8"–3/8" thick	14	.035	9	5 each
CTRS618MC	Metal 1/8"–1/4" thick	18	.035	6	5 each
CTRS918MC	Metal 1/8"–1/4" thick	18	.035	9	5 each
CTRS624MC	Metal less than 1/8" thick	24	.035	6	5 each



CTRS614MC

General Purpose Blades

Versatile bi-metal blades for general purpose cutting of metal, plastic laminates and wood with nails.

Stock No.	Application/Material Thickness	Teeth per inch	Blade Thickness, inches	Blade Length, inches	Qty Each
CTRS658GP	Metal/Plastic/Wood	5–8 variable	.050	6	5 each
CTRS96GP	Metal/Plastic/Wood	6	.050	9	5 each
CTRS126GP	Metal/Plastic/Wood	6	.050	12	5 each



CTRS126GP

Demolition Blades

Extra heavy duty bi-metal blades with thicker body and variable 5/8 tooth pitch are ideal for heavy demolition work in wood with nails and also strong enough to handle thick metals.

Stock No.	Application/Material Thickness	Teeth per inch	Blade Thickness, inches	Blade Length, inches	Qty Each
CTRS658DB	Nail Embedded Wood	5–8 variable	.062	6	5 each
CTRS958DB	Nail Embedded Wood	5–8 variable	.062	9	5 each



CTRS658DB

Wood Cutting Blades

Bi-metal blades with precision ground teeth for fast cutting of wood 3/8" and thicker.

Stock No.	Application/Material Thickness	Teeth per inch	Blade Thickness, inches	Blade Length, inches	Qty Each
CTRS67WB	Fast cutting wood 3/8" and thicker	7	.040	6	5 each
CTRS97WB	Fast cutting wood 3/8" and thicker	7	.040	9	5 each



CTRS67WB

Air Saw Blades (Blue-Point®)

Bi-Metal Blades	AT192A	AT194A
Bi-Metal Blade Scroll, 18 TPI, 3 3/4" long (qty 5)	AT190-39C	AT190-39C
Bi-Metal Blade Scroll, 24 TPI, 3 3/4" long (qty 5)	AT190-40C	AT190-40C
Bi-Metal Blade Scroll, 32 TPI, 3 3/4" long (qty 5)	AT190-41C	AT190-41C
Bi-Metal Blade Multipurpose, 18 TPI, 4" (qty 5)	AT190-42B	–
Bi-Metal Blade Multipurpose, 24 TPI, 4" (qty 5)	AT190-43B	–
Bi-Metal Blade Multipurpose, 32 TPI, 4" (qty 5)	AT190-44B	–



AT190-42B

⚠WARNING

- Use air hammer accessories only for their intended applications, replace when worn or broken
- Read safety precautions on pages W1 to W4

BLOW GUNS



Non-vented Blow Guns

Do not use non-vented blow guns above 30 PSI air supply pressure.

JT13B Blow Gun (Blue-Point®)
- Tapered, rubber tip for a leak-proof connection between gun and fluid line
- Vinyl coated control lever
- Hanging hook for storage
- 4 1/2" long

JT17A Blow Gun (*Blue-Point*)
Same as JT13B except with a 3" tip extension in place of the rubber tip.

YA1050B Blow Gun (*Blue-Point*)
Pistol grip style with front full-size trigger. Infinitely variable flow. 10 1/4" long.

YA4010 Quick Change Tip
Conical rubber tip for YA1050B.

JT14 Blow Gun (*Blue-Point*)
Industrial Interchange style coupler.

JT15 Blow Gun
Universal 1/4" pipe threading.

JT20 Blow Gun
ARO® style coupler.

JT21 Blow Gun
Tru-Flate® style male coupler.

JT22 Blow Gun
Lincoln® style male coupler.

JT23 Blow Gun (*Blue-Point*)
Solid brass. Industrial Interchange style coupler.

JT24 Blow Gun (*Blue-Point*)
Solid brass. *ARO* style coupler.

YA105020 Blow Gun (*Blue-Point*)
- 20" bent nozzle
- Trigger provides variable air flow control
- Lightweight body with ergonomically designed grip provides comfort and control
- Venturi tip directs air sideways if tip end is obstructed
- Reinforced 1/4"-18 NPT inlet

YA105013 Blow Gun
Same as YA105020 except 13" bent nozzle.

YA1050T1 Removable Star Tip
Removable star tip for YA105020 blow gun.

YA1050T2 Venturi Air Booster
Venturi nozzle draws in ambient air for extra high flow increasing by 100%. Suitable for deflecting lightweight wood chips. Diverts air when dead ended, reducing the outlet pressure to less than 2 bar (29 PSI).

YA1050T3 Rubber Tip Kit
Rubber tip set for YA105020 blow gun.

YA1050T4 Chip/Fluid Shield
Chip/fluid shield for YA105020 blow gun.

AT4101 Blow Gun (4")
- Built-in valve system improves trigger control
- Impact resistant material for long lasting service
- Galvanized blow tube for corrosion resistance
- Lifetime warranty (accessories not included)

AT4113 Blow Gun (19")
- Built-in valve system improves trigger control
- Impact resistant material for long lasting service
- Galvanized blow tube for corrosion resistance
- Lifetime warranty (accessories not included)

AT4135 Blow Gun with Air Adjustment
- Built-in valve system improves trigger control
- Impact resistant material for long lasting service
- Galvanized blow tube for corrosion resistance
- Lifetime warranty (accessories not included)
- Sound level 78 dB (8 bar)
- Regulate flow with adjustable volume control
- Complies with OSHA safety standards

AT4124 Rubber Tip
Prevents scratching of surface for AT4101, AT4113 and AT4135 blow guns.

Vented Blow Guns

Do not obstruct vents. Do not use vented blow guns above 135 PSI maximum air supply pressure.

JT19A Venturi Tip Blow Gun
- Directs air sideways if tip end becomes obstructed and increases airflow
- Includes stabilizer valve for variable pressure
- 1" hanging hook and paddle type air control lever
- Air inlet: 1/4"-18 NPT(f)

YA1055B Blow Gun
- Variable flow trigger offers precise air flow control
- Six-outlet “star tip” delivers an even distribution of air
- 4" full flow tube
- Complies with OSHA safety standards
- Air inlet: 1/4"-18 NPT(f)



JT19A



YA1055B

AIR HOSES AND SWIVELS

Rubber Air Hoses

Ideal for industrial applications. Male threads at both ends.

Stock No.	Hose I.D., inches	Hose Length, feet	Thread Size	Maximum Pressure, PSI
IM2001A	1/4	5	1/4"-18 NPT	300
IM2002A	3/8	5	3/8"-18 NPT	300
IM2004A	3/8	2	1/4"-18 NPT	300
IM2005A	3/8	25	1/4"-18 NPT	325
IM2008A	3/8	50	1/4"-18 NPT	325
IM2009A	1/2	50	3/8"-18 NPT	325



IM2005A

Reinforced Polyurethane Air Hoses

- Extremely lightweight for easy maneuverability
- Reinforced construction eliminates layer separation resulting from expansion and contraction during pulsating operations
- More abrasion resistant than PVC and rubber hoses
- Easy to wrap and store, even in subzero weather
- UV stabilized for longer outdoor life
- Strain relief features a tight bending radius to virtually eliminate hose kinking
- Reusable fittings and strain reliefs for longer life

Stock No.	Color	Hose I.D., inches	Hose Length, feet	Thread Size	Temp. Range	Working Pressure
AIRHOSE35	Red	3/8	35	1/4" NPT	-40 °F–165 °F (-40 °C–73.9 °C)	
AIRHOSE50	Red	3/8	50	1/4" NPT	-40 °F–165 °F (-40 °C–73.9 °C)	200 PSI @ 70 °F (21 °C)



AIRHOSE35

Air Swivel Connectors (Blue-Point®)

- Swivels turn 360° at two points for complete tool maneuverability
- Air hoses hang straight to the floor

Stock No.	Thread Size	Maximum Pressure, PSI	Airflow
YA502M	1/4" NPT	150	Up to 4.6 CFM (33 SCFM)
YA503M	3/8"-18 NPT	150	Up to 6.3 CFM (45 SCFM) [178 LPM]
ASC14	1/4" NPT	150	Up to 35 SCFM (991 LPM)
ASC14U	1/4" NPT	150	Up to 35SCFM (991 LPM)



YA502M

⚠WARNING

- Do not direct blow gun at yourself or others
- Read safety precautions on pages W1 to W4

AIR LINE COUPLERS AND ADAPTORS



Air Line Couplers and Adaptors

Body Size, inches	Style	Thread Size	Quick Coupler Male	Quick Coupler Female	Adaptor Male	Adaptor Female
1/4	Lincoln®	1/4"-18 NPT	–	AHC26D	AHC26MD	AHC26FD
1/4	Tru-Flate®	1/4"-18 NPT	–	AHC24D	AHC24MD	AHC24FD
3/8	*Tru-Flate*	3/8"-18 NPT	–	AHC25D	AHC25MD	AHC25FD
1/4	ARO®	1/4"-18 NPT	AHC23PMD	AHC23D	AHC23MD	AHC23FD
1/4	Industrial Interchange	1/4"-18 NPT	AHC21PMD	AHC21D	AHC21MD	AHC21FD
3/8	Industrial Interchange	1/4"-18 NPT	–	AHC22E	AHC22MD	AHC22FD
3/8	Industrial Interchange	3/8"-18 NPT	–	AHC28D	AHC28MD	AHC28FD
1/2	Industrial Interchange	3/8"-18 NPT	–	–	AHC31	–
1/2	Industrial Interchange	1/2"-14 NPT	–	AHC27D	AHC27MD	AHC27FD
1/4	Rigid Mounting*	1/4"-18 NPT	–	AHC21PD	–	–
1/4	Hi-Flow	1/4"-18 NPT	–	AHCC98C	AHCCP97C	–
1/4	Hi-Flow HVLP	1/4"-18 NPT	AHCC91C	AHCC90C	–	AHCCP90C

*Conforms to Mil Spec MIL-C-4109F

All adaptors are plated steel to improve durability

Air Valves and Manifolds

IM10D Air Valve
- Volume of airflow can be regulated with 1/4 turn of control knob
- Male/female threads

AHC300 Multiline Air Manifold
- Capacity of three air lines running at the same time
- Allows three workstations to use the same air supply
- Evenly distributes air through three different lines

GENERAL ACCESSORIES



IM1PTMP6



IM10ZMP12



CL6

Lubrication Accessories

IM1PTMP6 Air Motor Oil
- Cleans all piston and rotary air motors and helps prevent rust formation
- Six pack of IM1PT 16 oz bottles

IM10ZMP12 Air Motor Oil
- 12 pack of 1 oz bottles

CL6 Cutting Oil
- Superior antiweld and lubricating properties reduce heat buildup in drill bits, grinding burrs and other metal cutting tools
- 1 pt bottle



AT187



CTTOTEA



BPTOTE



CTUTOTE

CTTOTEA Power Tool Tote Bag
- Wide opening for easy access to tools, extra padding for protection
- Durable 600 Denier® outside for strength
- Interior pockets and compartments for tool organization
- Padded handles for comfortable transport
- Reinforced bottom for strength
- Six external pockets for extra storage
- Approximate inside dimensions, open: 18" L x 8" W x 11 1/2" D

BPTOTE Tote Bag (Blue-Point®)
- Heavy duty 600 x 300 D polyester
- Water resistant, rugged and versatile
- Wide top opening for easy access
- Multiple interior and external pockets for organization
- Overall dimensions: 16 1/2" L x 10 1/2" W x 12 1/4" H

CTUTOTE Power Tool Mini Tote Bag
- Wide opening for easy access to your tools
- Durable 600 Denier nylon outside for strength
- Pockets and compartments for tool organization
- Padded handles for comfortable transport
- Reinforced bottom for strength
- Heavy duty industrial zipper
- 12" L x 10" D x 10" W

Stock No.	Recommended Air Pressure, PSI	Air Consumption, average, cfm (scfm)	Free Speed, RPM	Sound Level, dBa	Air Inlet Thread Size	Recommended Hose Size, inches	Hose Length, inches	Overall Length, inches	Weight, lb
AT187*	90	1.0 (7)	14,000	90	1/4"-18 NPT	3/8	59 1/2	5 1/2 without hose	.48

*CE

AT187 Engraving Pen (*Blue-Point*)
- Mark tools and other objects to prevent theft
- Use on hardened steel plate (up to HRC55), metals, glass, stone, ceramic, plastics and more
- Used for deburring operations plus reshaping screw or bolt heads for removal
- Rugged metal housing
- Knurled fingertip control
- Tips sold separately

AT187-11 45° Thick Plate Carbide Tip
For AT187.

AT187-13 15° Thin Plate Carbide Tip
For AT187.

AT187-14 30° Medium Plate Carbide Tip
For AT187.

SHOP & TECH TOOLS



Overview.....508
Testing & Electronics.....510
Welding.....552
Undercar.....568
Battery Service.....606
Air Conditioning.....616
Cooling.....629
Shop Equipment.....637
Shop Cleaning.....721
Safety.....728

TOP-OF-THE-LINE EQUIPMENT. TO IMPROVE YOUR BOTTOM LINE.

Whether you own a shop or work as a tech, our productivity solutions save you time while helping increase revenues. For tools and technology that's both hardworking and business savvy, turn to Snap-on. It's equipment you can bank on.

"I specialize in engine swaps. KoolKare™ allows me to recover and recharge quickly for engine removal and replacement."

Zeb Beard
Warren, AR



EQUIP YOUR SHOP.

When you tap Snap-on to expand your shop's capabilities and productivity, you're turning to the best in the business. And, we'll help you keep your business.

RETURN ON INVESTMENT — From welders made to withstand tough shop environments to battery chargers that perform a variety of functions, our tools build one thing first: your business.

INNOVATION — Keep customers loyal to your shop by servicing their vehicles with the most advanced equipment available.

BREADTH — Choose from 22 shop equipment categories that help you expand your services, enhance your capabilities and attract more business.

TECH ESSENTIALS

Some tools are acquired on a "need-to-grow" basis: maximize your potential and enhance your productivity with the essentials.

WORK SMARTER — Get complete system coverage: from multimeters, to video inspection scopes, to noise detection devices and more.

WORK FASTER — Time is money. And, when you cut prep time and labor time, that provides you with the opportunity to earn more.

WORK SAFER — Protect yourself and your profitability – and, just as importantly, stay on the job – with proper safety equipment from Snap-on.

Zeb has:
KoolKare PLUS A/C
Service center - EEAC325B



ZERO IN ON SOLUTIONS.

Enhance your senses with Snap-on® meters and analyzers. *Snap-on* videoscopes, listening devices, multimeters and other testers/electronics deliver with pinpoint accuracy. Get an up-close look at a problem, detect the slightest engine noises, and diagnose complex electrical issues.

MEASURE AND DETECT.

Problems come in many forms – and Snap-on helps solve them. Use our testing and electronic equipment to reduce the time and effort it takes to find the source. Whether it's related to amps, volts, HC, CO2, CO, O2, NOx, degrees, ground, shorts, watts, rpm, decibels, compression, cylinder leakage, vacuum or more.



Select the Meter For Your Needs
7-Year Limited Warranty on Snap-on® meters



EEDM596DK



EEDM525E



EEDM504D



EEDM503D



EEDM575D

Digital Multimeters

Stock No.	CHECK YOUR NEEDS ✔	EEDM596DK†	EEDM525E†	EEDM504D†	EEDM503D†	EEDM575D†
Certificate of Calibration Model		EEDM504DCRT†	EEDM525ECRT†	EEDM504DCRT†	—	—
Display Count		40,000	4,000	4,000	2,000	11,000
AC Volts		750	750	750	750	600
DC Volts		1,000	1,000	1,000	1,000	600
Basic DC Accuracy		0.10%	0.50%	0.50%	0.50%	0.5%
AC Amps		10	10	10	10	400
Micro Amps		—	Yes	Yes	Yes	400 DC
DC Amps		10	10	10	10	400
True RMS (Root Mean Square)		Yes	Yes	—	—	Yes
Resistance, ohms		40M Ohm	40M Ohm	40M Ohm	20M Ohm	110 Mega Ohms
Capacitance		Yes	Yes	Yes	—	110mF
Frequency		Yes	Yes	Yes	—	10 KHz
Insulation Test		No	No	No	No	—
Analog Bar Graph		Yes	Yes	Yes	—	—
Auto Range		Yes	Yes	Yes	—	Yes
Data Hold		Yes	Yes	Yes	Yes	Yes
Min/Max		Yes	Yes	Yes	—	Yes
Backlight		Yes	Yes	—	—	—
Color Screen		—	Yes	—	—	—
Auto Shut-Off		Yes	Yes	Yes	—	Yes
RPM		Yes	**EEDMRPMG** (opt.)	**EEDMRPMG** (opt.)	**EEDMRPMG** (opt.)	—
Adjustable Trigger Level		Yes		—	—	—
Noise Reduction Circuit		Yes	—	—	—	—
Temperature		**MT586B1** (incl.)	**MT586B1** (opt.)	**EEDM506C†** (opt.)	**EEDM506C†** (opt.)	**MT586-4** (opt.)
Duty/Dwell		Yes	Duty Only	Duty Only	—	—
mS Pulse Width		Yes	—	—	—	—
Comp. Output (USB)		Yes, Included	—	—	—	—
UL® Listed		cULus 61010-1	cULus 61010-1	cULus 61010-1	cULus 61010-1	cULus 61010-1
CAT Rating		CATII 750V AC, CATII 1,000V DC, CATIII 600V AC/DC	CATII 750V AC, CATII 1,000V DC, CATIII 600V AC/DC	CATII 750V AC, CATII 1,000V DC, CATIII 600V AC/DC	CATII 750V AC, CATII 1,000V DC, CATIII 600V AC/DC	CATIII 600V
Easy Open Battery and Fuse Door		Yes	Yes	Yes	Yes	Yes
Glitch Capture		Yes	—	—	—	—
Blown Fuse Identifier		Yes	Yes	Yes	Yes	—
Dimensions, inches		7 3/4 x 3 3/4 x 1 1/2	7 3/4 x 3 3/4 x 1 1/2	7 3/4 x 3 3/4 x 1 1/2	7 3/4 x 3 3/4 x 1 1/2	10 x 1 3/8 x 2 1/2
Case or Zipper Pouch		**MT586BK1**	**EEDM503B3**	**EEDM504B4**	**EEDM503B3**	Pouch
Replacement Fuses		**EEDM504B1 EEDM504B2**	**EEDM525D6 EEDM525D7**	**EEDM504B1 EEDM504B2**	**EEDM503B2 EEDM504B2**	**EEDM504B1**

*Certified and *UL* listed
† CE

TECHNICAL SUPPORT 1-888-382-6522

⚠WARNING



• Do not use in environment with explosive vapor
• Read safety precautions on pages W1 to W4

DIGITAL MULTIMETERS

7-Year Limited Warranty on Snap-on® meters
5-Year Limited Warranty on Blue-Point® meters



EEDM604C



EEDM650C



MT454C



MT501C



MT574C

Digital Multimeters

Specifications	CHECK YOUR NEEDS ✓	EEDM604C†	EEDM650C	MT454C**†	MT501C**†	MT574C**†
Certificate of Calibration Model		EEDM604CCRT	**EEDM650CCRT**	—	—	**MT574CCRT**
Display Count		50,000	4,000	4,000	2,000	4,000
AC Volts		1,000	1,000	600	600	600
DC Volts		1,000	1,000	600	600	600
Basic DC Accuracy		0.05%	±0.1% + 2 digits	0.50%	0.75%	0.30%
AC Amps		10	400mA	—	—	400mA
Micro Amps		Yes	Yes	—	—	—
DC Amps		10	400mA	—	—	400mA
True RMS (Root Mean Square)		Yes	Yes	—	—	—
Resistance, ohms		(plus conductance)	40M Ohm	40M Ohm	2K Ohm	40M Ohm
Capacitance		Yes	Yes	—	—	—
Frequency		Yes	Yes	—	—	—
Insulation Test		No	Yes	No	No	No
Analog Bar Graph		Yes	—	—	—	—
Auto Range		Yes	Yes	Yes	—	Yes
Data Hold		Yes	Yes	—	Yes	Yes
Min/Max		Yes	Yes	—	—	Yes
Backlight		Yes	Yes	—	—	—
Auto Shut-Off		Yes	Yes	Yes	—	Yes
RPM		**EEDMRPMG** (opt.)	**EEDMRPMG** (opt.)	—	**EEDMRPMG** (opt.)	**EEDMRPMG** (opt.)
Adjustable Trigger Level		—	—	—	—	—
Noise Reduction Circuit		—	Yes	—	—	—
Temperature		**MT586B1** (opt.)	**MT586B1**	—	**EEDM506C†** (opt.)	**EEDM506C†** (opt.)
Duty/Dwell		—	—	—	—	—
mS Pulse Width		Yes	—	—	—	—
Comp. Output (USB)		—	—	—	—	—
UL® Listed		cULus 61010-1	cULus 61010-1	cULus 3111	cULus 3111	cULus 3111
CAT Rating		CATIII 1,000V CAT IV 600V	CATIII 1,000V CAT IV 600V	CATIII 600V	CATIII 600V	CATIII 600V
Easy Open Battery and Fuse Door		Yes	Yes	—	—	—
Glitch Capture		Yes	Yes (0.25 mS)	—	—	—
Low Pass Filter (LPF)		—	Yes	—	—	—
Blown Fuse Identifier		Yes	Yes	—	—	—
Dimensions, inches		3 13/16 x 8 x 2 13/32	9 x 4 1/4 x 2	6 x 3 x 2	6 x 3 x 2	6 x 3 x 2
Case or Zipper Pouch		**EEDM650CPB (opt.)**	**EEDM650CPB (opt.)**	**EEDM504B4 (opt.)**	**EEDM504B4 (opt.)**	**EEDM504B4 (opt.)**
Replacement Fuses		**EEDM604C1 EEDM604C2**	**EEDM604C1**	—	—	**EEDM504B1**

*Certified and *UL* listed
**Blue-Point*
† CE

TECHNICAL SUPPORT 1-888-382-6522


EETA501C


EETA502C


EETA503C



EEDM5030



EEDMRPMG



EEDMRPMD



EEDM5997



EEDMDVA


EEDM5830


EETA106B

EETA501C Clamp on Amp Probe
- Measures AC and DC currents greater than 10A without breaking the circuit
- Ideal for measuring starter (A) and automotive current draw
- Used with DMMs that have 2V and 200 mV AC and DC ranges
- Range: 0–20A on 200mV AC or DC, 0–400A on 2V AC or DC

EETA502C Clamp on Amp Probe
- Similar to EETA501C except range is 0–2,000A AC or DC

EETA503C Low Current Adaptor
- AC/DC low current adaptor for digital multimeters with DC mV range and 10mA impedance
- Measures parasitic current draw on battery cable when key is in off position to indicate component failures or shorts
- Quickly measures branch circuit draw to isolate problem area
- Safely measures current draw of electrical fuel pumps
- Measures from 10mA–60A

EEDM5030 Pressure Adaptor
- Measure pressure from 1–500 PSI and vacuum from 1–29 inHg
- Output is 1mV DC per PSI or inHg
- Ideal for measuring transmission or hydraulic pressure
- 1/4" NPT fitting on pressure transducer
- Sensor compatible for air or liquid
- 6 1/2' cable length

EEDMRPMG Gasoline Engine RPM Adaptor
- Ideal for small, single cylinder, 2 and 4 stroke gas engine applications
- Use with any digital multimeter that has DC mV ranges to measure gasoline engine RPM
- Plug adaptor into DMM (set to DC mV function), clip lead above engine spark plug boot and multiply reading by ten
- Range is 300–6,000 RPM
- Output is 1mv DC per 10 RPM
- Powered by 9V battery (included)

TECHNICAL SUPPORT 1-888-382-6522

EEDMRPMD Diesel Engine RPM Adaptor
- Ideal for small diesel engine applications
- Measures diesel engine RPM
- Plug adaptor into the DMM (set to IP), attach transducer to fuel line leading to an injector and read RPM on the meter
- Range is 300–4,000 RPM
- Resolution is 1 RPM, powered by 9V battery (included)

EEDM5997 DMM RPM Adaptor
- Use with 2 or 4 stroke engines
- Use in conjunction with an automotive feature meter with IP (inductive pick-up) setting
- For motorcycles, outboard motors, snowmobiles and ATVs with limited or no ignition shielding
- Internal circuitry filters out noise
- Non-intrusive pick-up features dual tapped coils to help eliminate errors

EEDMDVA Direct Voltage Adaptor
- Converts outboard marine, motorcycle and other small engine ignition pulse signals into DC voltage signals
- Adaptor helps identify secondary ignition problems like failed individual coil packs or poor spark

EEDM5830 Amp Adaptor
- Allows DMMs to accurately measure up to 30A AC/DC by converting the signal to millivolts
- Measure current draw of individual circuits from fuse box on automobiles, trucks and buses
- Measure the parasitic load on the battery
- Requires no internal/external power supply
- Range of 0–30A

EETA106B Inductive Pick-Up (Blue-Point®)
- Non-intrusive pick-up slides over to secondary ignition spark plug wire and snaps shut for quick hook-ups without directly connecting to ignition circuit
- Used on most engines with 2 and 4 cycle ignition systems including small engines and waste spark systems

⚠WARNING
- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4

DIGITAL MULTIMETER ACCESSORIES


EEDM506D


EETH501C


EETH502B


EETH503B


MT586-4

Temperature Probes and Adaptor

EEDM506D Temperature Adaptor
- Adds temperature capabilities to multimeters that do not have built-in temperature functions
- Provides dual temperature and differential temperature measurements for multimeters
- Output equals 1mV per degree
- Use with any multimeter with 200mV DC and/or 2V DC ranges
- Provides readings from -50 °F–1,800 °F. Includes two beaded K-type temp probes. Low battery indicator light. Accuracy: ±0.75% of full scale + one digit

EETH501C Temperature Probe
Measures temperature in fluids and soft materials.

EETH502B Temperature Probe
Measures surface temperatures 8" tip.

EETH503B Temperature Probe
Measures air temperatures 8" tip.

MT586-4 Temperature Probe

TEST LEADS


EEDM504B3

EEDM504B3 Test Lead Set with Alligator Clips
- Standard vinyl jacketed set of test leads with screw on alligator clips for basic application testing needs
- Screw-on probe protectors limit the metal probe shaft from touching during testing for safety (remove the protectors when using alligator clips or adaptors)


MTTL504

MTTL504 Fused Test Leads
- 48" fused test leads help protect unfused digital multimeters from electronic damage
- Provides additional protection when measuring high voltage
- Includes test lead set with alligator clips and five extra fuses
- Overall length is 48"

MTTL5041 5A Fuses
- Three-pack of replacement 5A fuses for MTTL504 fused test leads


EETA107B

EETA107B Shielded Test Lead
- Shielded test leads block out radio frequency interference (RFI)
- 6" leads are heat and oil resistant

EETA108B Extra Long Scope Lead Set (2 pack)
- 10" leads extend the reach of scope/meter leads for testing hard-to-reach components


EETA108B

TL2A Test Lead Set
- High grade test lead pair fits all meters using standard banana plug jacks
- Nonslip prodding probes have stainless-steel points
- Coiled cords stretch to more than 60"
- Screw-on alligator clips convert the leads to jumper wires
- Banana plug screws allow use with most multimeters



TL2A

TL3A Test Leads
- Heavy duty pair of jumper leads
- Use to connect a power source or a ground to test a fixture in automobile
- Heavy duty alligator clips feature the "bed of nails" concept
- Banana plug screws allow use with most multimeters



TL3A

MTTL725 Hard Tip DMM Test Lead Set
- 58" length offers a greater reach advantage
- Silicone double insulation wire jacket for safety–if outer jacket is nicked, a white under layer is revealed
- 90° serrated flexible strain relief for improved long life
- Sleek threaded insulator tips provide easy access to tight spots and allows use of current accessories
- Special tip configuration is designed to accept push-on accessories
- Snap-on® logo and part number molded in the test lead ends
- CAT III 1,000V, CAT IV 1,000V safety rating
- CE


MTTL725


MTTL575

MTTL575 DMM Test Lead Set, 70"
- 70" length offers greater flexibility in reach
- Silicone double insulation wire jacket for safety – if outer jacket is nicked, a white under layer is revealed
- 90° serrated flexible strain relief protects the wire from being kinked at the probe or terminal ends for longer life
- Push/pull finger collar for sure grip pressure putting on or pulling off
- CAT III 1,000V, CAT IV 600V safety rating
- Protective plastic collar surrounds the banana jack for safety
- CE

Applications:
- The MTTL575 enables long distance testing such as brake lights and underhood while in the cockpit
- Acts as an extension cord for even longer reach when servicing large equipment
- Can be used in high-heat situations around manifolds or exhaust systems
- Jacket material will not burn, even in a flame
- Remains flexible in extreme cold where poly products get hard or stiff



TLS7B

TLS7B Test Lead and Adaptor Kit

- Quick attach probes and mini alligator clips press onto the straight PVC jacketed lead set
- Threaded hook clips, standard plugs and alligator clips thread onto the probe ends
- Provides an economical set for conducting various tests

Stock No.	Description	MTTL500	MTTL600	MTTL700	MTTL800
MTA20	Prods – Modular	•			
MTA24	Test Leads Silicone Jacket – Modular	•			
MTA70	Set, Alligator Clips, Screw-on				
MTA75	Alligator Clips – Medium – Modular	•			
MTA80	Spring Hooks – Modular	•			
MTA85	Alligator Clips – Heavy Duty – Flanged	•			
MTTL505	Set, Grabber Leads				
MTTL7001	Test Leads Silicone Jacket – Threaded			•	
MTTL7002	Banana Plugs – Screw-on		•	•	
MTTL7003	Alligator Clips – Large – Modular		•	•	
MTTL7004	Insulation Piercing Prods – Modular		•	•	
MTTL7005	Backprobe Adaptors – Needle – Modular		•	•	
MTTL7005PK	Kit, Test Leads, Modular				•
MTTL800-1	Modular Test Leads				•
MTTL800-3	Crocodile Clips				•
MTTL800-4	Piercing Probes				•
MTTL800-5	Grabbers 90° Test Leads				•
MTTL800-6	Prods				•
MTTL800-7	Spring Hooks 90°				•
MTTL800-PB	Storage Pouch				•

CE



MTTL300

MTTL300 Test Lead Kit

- Four color-coded test leads help reduce the chance of wrong connections
- Use as test lead,jumper wires or for shorting out components when performing ignition system tests
- Each lead is 4" long



MTTL301

MTTL301 Test Lead Kit

- Contains 12", 18", 24", and 10" jumper leads
- Use as extension leads or for shorting out components when testing ignition



MTTL800

High Grade Test Leads (For Digital Multimeters)



MTTL500

MTTL500 Test Lead Kit

- Interchangeable probes permits wider range of testing possibilities
- Right angle 48" long test leads are made from double insulated silicone super flex wire
- Spring hooks for use on 16 gauge and smaller bare wire
- Alligator clips for attachment to bolts and large wire conductors
- Spade terminals for use on terminal blocks and prods for probing wire ends



MTTL505

MTTL505 Grabber Lead Set

- Grabber leads slide in to grab wire or terminal ends in tight areas
- Recommended for use with MTTL500 modular test lead set or MTTL700 with the MTTL7002 screw-on banana plug adaptors
- Use with any threaded test lead set using the MTTL7002
- Finger grip and plunger placement provides technician-controlled placement of the jaws even under extreme conditions
- Jaw gripping pressure securely bites on the target terminal or wire
- Plunger and finger grip allow maximum jaw opening with minimum pressure for ideal placement, enabling a good contact
- Safety CAT III 1,000V, 10A rating. cULus61010 and IEC61010 listed



MTA70 MTTL600 MTTL700

MTA70 Alligator Clip Set

- Screw-on style alligator clips for use with EEDM504B3
- Do not use with MTA24

MTTL600 Test Lead Kit

- Includes screw-on banana plug adaptors, needle backprobe adaptors, large alligator clips and insulation piercing prods

MTTL700 Test Lead Kit

- Includes screw-on banana plug adaptors, needle backprobe adaptors, large alligator clips and insulation piercing prods
- Test leads with interchangeable tips are 50" long
- Double insulated silicone wire is heat and flame resistant and flexible in extreme cold conditions

⚠WARNING

- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4

TEST LEADS

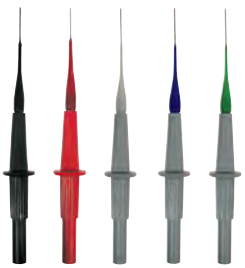


YA1175KIT

Retractable Test Leads (Blue-Point®)

YA1175KIT Retractable Test Lead Kit
- Includes YA1175
- Retractable test leads, YA1175-1 probes (pair), YA1175-2 alligator clips (pair) and YA1175-3 spring hooks (pair)
- Retractable test leads pull out and stay at desired length
- Rewind test leads when not in use for compact storage
- 18 gauge copper wire and interchangeable tips
- CE

TECHNICAL SUPPORT 1-855-799-8880



MTTL7005PK



MTTL7006



MTTL502



MTTL720



MTTLB720

Backprobes

MTTL7005PK Backprobes
- Color-coded for easy identification
- Bendable stainless steel tips (standard diameter)
- Non-intrusive probes slide behind terminals
- Modular ends attach quickly

MTTLBOOTS Replacement Boot Kit
Five of each (black, red, yellow, green, blue)

MTTL7006 Micro Tip Backprobes
- Features a 0.5 mm tip diameter that has enough muscle to probe new smaller interior vehicle compartment connector terminals
- Smaller diameter enables a wider array of terminal applications
- Modular test lead ends for quick attachment
- Replaceable threaded tips make change out easy
- MTTL7005 series is best used under the hood of vehicles as they provide more body for the pressure needed to penetrate the weather pack material surrounding the terminal connections
- Use with Test Leads and Multimeter
- 4 ½" overall length
- 4 mm standard female banana jack
- Red and black color per set
- Rated to DC 60V

MTTL502 Insulation Piercing Test Probes
- Use probes on threaded probe tips
- Banana adaptors included so probes can be used on banana plug lead sets

MTTL720 Backprobe Pin Kit
- Just slip the probing pin into the backside of the electrical connector and attach the meter lead to the alligator clip at opposite end of the pin
- Five colors (black, red, yellow, green, blue) make circuit identification easy
- Each color-coded group of pins contains four pins for multiple simultaneous test points
- Sharp pin point easily pierces the wire insulation
- Insulated boots protects the circuit being tested from shorting between circuits and/or a short circuit to ground
- The probing pin can be bent to access an electrical connector at unusual angle for awkward connections
- Compact size makes the pins easy to fit in tight spots

MTTLB720 Multi-Backprobe Pin Kit
- Includes five of each: 45° sharp, 45° blunt, 90° sharp, straight sharp



TL616AO TL624AG TL648AR



TLR6B TLBR6B

High Visibility Jump Leads

TL Series High Visibility Jump Leads

- High grade test leads offer the highest heat and oil resistance and exceptional coil memory
- Leads feature a removable "bed of nails" concept
- After removal, probe end with 8-32 brass thread allows use of other product accessories

TL616AO Test Leads
Hi-vis orange color, 16' extended length.

TL624AG Test Leads
Hi-vis green color, 24' extended length.

TL648AR Test Leads
Hi-vis red color, 48' extended length.

Intrusive Circuit Testing Adaptors

- High quality "bed of nails" wire piercing adaptors
- These alligator style clips allow circuit testing when back probing is not desired or practical

TLB6B Adaptor
Straight nose test clip with black boot.

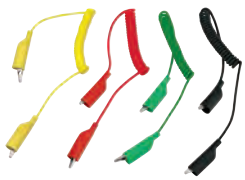
TLR6B Adaptor
Straight nose test clip with red boot.

TLBL6B Adaptor
Straight nose test clip with blue boot.

TLBB6B Intrusive Circuit Testing Adaptor
15° bent nose test clip with black boot.

TLBR6B Adaptor
15° bent nose test clip with red boot.

TLBBL6B Adaptor
15° bent nose test clip with black boot.



MTTL310

Coiled Jump Leads

Stock No.	Coiled Length, inches (cm)	Stretched Length, inches (cm)	Crocodile Clip Opening, inches (cm)	Color
MTTL310-1	20 (51)	48 (122)	1/2 (1.27)	Black
MTTL310-2	20 (51)	48 (122)	1/2 (1.27)	Red
MTTL310-3	20 (51)	48 (122)	1/2 (1.27)	Green
MTTL310-4	20 (51)	48 (122)	1/2 (1.27)	Yellow

MTTL310 Coiled Jump Lead Set

- Four distinct colors facilitate easy identification of test circuits
- Crocodile clips on both ends securely grip terminal connections
- Coiled cord stretches to 48" (122 cm) for extra reach
- Coil cords recoil requiring minimum storage space and less tangling
- Heavy duty but flexible boots provide safety insulation and strain relief
- Soldered and clamped connections provide low signal loss and prolongs life



MTTL311

MTTL311 Coiled Jump Lead Set

- Four sizes facilitate various applications that make the job easier to complete
- Alligator clips on both ends securely grip terminal connections
- Coil cords recoil requiring minimum storage space and less tangling
- Heavy duty yet flexible rubber boots provide safety insulation strain relief
- Soldered and clamped wire connections to alligator clips provides low signal loss

Stock No.	Coiled Length, inches (cm)	Stretched Length, inches (cm)
MTTL311-1	10" (25)	12" (30.5)
MTTL311-2	11" (28)	18" (46)
MTTL311-3	13" (33)	24" (61)
MTTL311-4	24" (61)	120" (305)

Battery Adaptor

TLS4A Battery Adaptor

- 12V accessory adaptor supplies power to circuit testers and scanners as well as to most other 12V powered devices like car phones and lights
- Copper coated alligator clips with vinyl grips attach to battery terminals
- 3' cord length



TLS4A

⚠WARNING

- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4

CIRCUIT TESTERS



EECT2H



EECT4H



EECT301H



EECT313H



EECT3HL

6- and 12-Volt Circuit Testers

- Used to detect DC Voltage, ground and circuit integrity
- Patented Instinct® Handle for style and comfort
- Molded internal contact links with the LED assembly top dimple for low loss signal transfer
- Smart LED design has more brilliant light output and longer life than traditional bulb (note: EECT3HL uses Classic Bulb Style)
- Copper Clip is a superior quality component for maximum electrical signal transfer
- Convenient circuit board and spring assembly

Specifications	EECT2H†	EECT4H†	EECT301H†	EECT313H†	EECT3HL†
Voltage	6 and 12V	6 and 12V	12V only	6 and 12V	6 and 12V
Cord Type/Color	Straight Cord Mini/Black	Straight Cord/Black	Coiled Cord/Black	Straight Cord/Black	Straight Cord Mini/Black
Cord Material/ Wire Gauge	Rubber/18	Rubber/18	Polyurethane/Dual 18	Rubber/18	Rubber/18
Outside Wire Diameter	4.0 mm	4.0 mm	4.5 mm	4.0 mm	4.0 mm
Cord Length, inches (extended)	70	70	125	70 plus 72" extension	70
Replacement Cord Assembly	**EECTCORDBLM**	**EECTCORDBLS**	**EECTCORDBLP**	**EECTCORDBLJ**	**EECTCORDBLM**
Replacement LED and Spring Assembly	**EECT2HLED**/White	**EECT4HLED**/White	**EECT301HLED**/ Red (Power), Green (Ground)	**EECT4HLED**/White	**2-5130** Classic Bulb
Handle Size/Color	Mini *Instinct*/Clear	Medium *Instinct*/Clear	Medium *Instinct*/Clear	Medium *Instinct*/Clear	Mini *Instinct*/Clear
Terminal End	Heavy duty – copper clip	Heavy duty – copper clip	Cigarette lighter adaptor	Banana plug on terminal end	Heavy duty – copper clip
Replacement Clip	**EECTCLIP2**	**EECTCLIP**	—	—	**EECTCLIP**
Boot	**EECTBOOT2**	**EECTBOOT**	—	—	**EECTBOOT**
Stainless Steel Shank Length, inches	2	3 5/8	3 5/8	1	3 5/8
Additional components	—	—	—	non-intrusive accessories and carrying case	—
Replacement Carrying Case	—	—	—	**EECT313HBAG**	—

* Note: In low voltage situations LED light will not dim as significantly as incandescent bulb style.

† CE

TECHNICAL SUPPORT 1-888-382-6522



EECT400



EECT400G



EECT400O



EECT400R

Digital Display 12V Circuit Tester

EECT400 Digital Display Circuit Tester

- Used to detect DC voltage, ground and circuit integrity
- LCD display provides a 'no guess' voltage value of the circuit
- Backlit LED indicates Green for Ground or Red for Power
- Provides one-handed operation of CT and DV Voltage digital display of a multimeter
- One hand free to jiggle wires, replace fuse or operate a switch
- Surge protected circuitry displays 3–19.99V DC (± 0.3V accuracy)
- Computer safe <10mA circuit draw for confident testing (Do not use on airbags)
- 3 1/2" stainless-steel corrosion-free shank
- Patented Instinct® Clear Handle for pure visibility, style and comfort
- Solid Copper Clip – superior quality component for maximum electrical signal transfer
- Terminal Screw Connection – ensures a positive electrical signal and easy field repair
- Superior Flex Wire – glides past components and remains flexible in cold conditions
- Convenient Field Replaceable – digital display board and spring assembly
- Molded contact and finger-turn strain relief are tough
- O-ring sealed moisture-free connection for longer life
- CE: DE, ES, FR, IT, GB, NL

Stock No.	EECT400†	EECT400G†	EECT400O†	EECT400R†
Voltage	6 and 12V DC	6 and 12V DC	6 and 12V DC	6 and 12V DC
Range	3–19.9V DC	3–19.9V DC	3–19.9V DC	3–19.9V DC
Resolution	0.1V DC	0.1V DC	0.1V DC	0.1V DC
Accuracy	±0.3V	±0.3V	±0.3V	±0.3V
Cord Color	Black	Green	Orange	Red
Cord Type	Straight Flexible Rubber	Coiled Flexible Rubber	Coiled Flexible Rubber	Coiled Flexible Rubber
Outside Wire Diameter	4.0 mm (0.16")	4.0 mm (0.16")	4.0 mm (0.16")	4.0 mm (0.16")
Cord Length, feet	6 (2 m)/18 gauge	6 (2 m)/18 gauge	6 (2 m)/18 gauge	6 (2 m)/18 gauge
Replacement Cord Assembly	EECTCORD400	EECTCORD400G	EECTCORD400O	EECTCORD400R
Replacement LED and Spring Assembly	EECT400LCD	EECT400LCD	EECT400LCD	EECT400LCD
Handle Size/Color	Medium *Instinct*/Clear	Medium *Instinct*/Clear	Medium *Instinct*/Clear	Medium *Instinct*/Clear
Display	Backlit 2000 count LCD	Backlit 2000 count LCD	Backlit 2000 count LCD	Backlit 2000 count LCD
Polarity	Bi-Directional	Bi-Directional	Bi-Directional	Bi-Directional
Surge Protected	Overload displays 1.0V, then resets	Overload displays 1.0V, then resets	Overload displays 1.0V, then resets	Overload displays 1.0V, then resets
Operating Temperature	0 °–120 °F (-18 °–50 °C)	0 °–120 °F (-18 °–50 °C)	0 °–120 °F (-18 °–50 °C)	0 °–120 °F (-18 °–50 °C)
Terminal End	Heavy duty copper clip	Heavy duty copper clip	Heavy duty copper clip	Heavy duty copper clip
Replacement Clip	EECTCLIP	EECTCLIP	EECTCLIP	EECTCLIP
Boot	EECTBOOT	EECTBOOT	EECTBOOT	EECTBOOT
Stainless-Steel Shank Length, inches	3 1/2	3 1/2	3 1/2	3 1/2
Length, inches (cm)	8 1/4 (20.96)	8 1/4 (20.96)	8 1/4 (20.96)	8 1/4 (20.96)
Weight, lb (kg)	0.4 (0.18)	0.4 (0.18)	0.4 (0.18)	0.4 (0.18)
Warranty	1 Year-Field Repairable	1 Year-Field Repairable	1 Year-Field Repairable	1 Year-Field Repairable
Computer Safe	Yes – 10mA or less draw (Do not use on airbags)	Yes – 10mA or less draw (Do not use on airbags)	Yes – 10mA or less draw (Do not use on airbags)	Yes – 10mA or less draw (Do not use on airbags)

† CE

TECHNICAL SUPPORT 1-888-382-6522

⚠WARNING

- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4

CIRCUIT TESTERS



EECT424

EECT424 24V Digital Display Circuit Tester (4–49V DC Range)

- Used to detect DC voltage, ground and circuit integrity
- LCD display provides a 'no guess' voltage value of the circuit
- Backlit daylight readable LED indicates Green for Ground or Red for Power
- Provides one-handed operation of CT and the DC Voltage digital display of a multimeter
- One hand free to jiggle wires, replace fuse or operate a switch
- Surge protected circuitry displays 4–49.9V DC (± 0.3V accuracy)
- Computer safe <10mA circuit draw for confident testing
- 3 1/2" stainless-steel corrosion-free shank
- Patented Instinct® Clear Handle for pure visibility, style and comfort
- Red cord, boot, shank insulation and printing on the handle identifies this unique circuit tester as the 24V model
- CE: DE, ES, FR, IT, GB, NL

TECHNICAL SUPPORT: 1-888-382-6522

Applications:

- Covers most auto, truck, industrial vehicles, buses, 36V rail cars and more from 4–49V DC

EECT200 Cord-Free DC Circuit Tester

- For quick detection of DC voltage
- Use on autos and trucks from 3–24V DC
- Probe the wire, touch metal ground on vehicle with free hand
- Black carbon infused contact area completes the circuit
- Buzzer and LED light alerts user to DC voltage presence
- Mini *Instinct* handle and short stainless shank for tight-access jobs
- Pocket clip to keep the first need diagnostic tool ready for work



EECT74

Specialty Circuit Testers

EECT74 Amp Hound

- Use on 6V, 12V and 24V Electrical Systems
- No need to remove a fuse which reduces the amount of time to determine the current in the circuit
- Finding parasitic drains can now be done without resetting the offending circuit
- No more pull a fuse, check the meter, pull a fuse, check the meter...Instead, check the complete fuse box quickly
- Will not short a circuit while the fuse is removed
- Touch the probes to the top of the fuse
- Tests all of the most common automotive fuses types and amp ranges
- Intelligent audible tones and digital displays

24V DC Digital Display Circuit Tester

Specifications	EECT424
Voltage	24
Range	4.0V DC – 49.9V DC
Resolution	0.1 V DC
Accuracy	± 0.3 Volt
Cord Color	Red
Cord Type	Straight/Polyurethane
Outside Wire Diameter	4.0 (0.16")
Cord Length, feet	6 (2 m)/18 gauge
Replacement Cord Assembly	EECTCORD424
Replacement LED and Spring Assembly	EECT424LCD
Handle Size/Color	*Instinct*/Clear w/ red print
Display	LCD w/ back light
Polarity	Bi-directional with color LED, red & green indicators
Surge Protected	Surge and high DC voltage
Operating Temperature	0 °–120 °F (-18 °–50 °C)
Terminal End	Heavy Duty Copper Clip
Replacement Clip	EECTCLIP
Boot	EECTBOOTR
Stainless-Steel Shank Length, inches	3 1/2 (8.9 cm)
Length, inches (cm)	8 1/4 (20.9)
Weight, lb (kg)	0.4 (0.18)
Warranty	1 Year (field repairable)
Computer Safe	Yes <10mA (not for use on airbags)



EECT200



EECT72

- Active circuit unit beeps three times and displays amp value
- Inactive circuit beeps continuously and displays (000)
- Open or blown fuse will not beep and displays (- - -)

- CE: DE, ES, FR, IT, GB, NL

TECHNICAL SUPPORT: 1-800-537-1077

EECT72 Amp Hound 2

Same as EECT74 with additional features:

- Real time readings
- Plug in fuse adaptors
- Funtions with micro fuses



EECT180

Dynamic Test Leads

EECT180 LOADpro® Dynamic Test Leads

LOADpro finds these problems fast:
- High corrosive resistance
- Shorts to ground
- Open circuits

Specifications:
- Works with any DMM with standard banana plugs
- Test leads are 60" in length
- For use on circuits up to 28.5V
- Do not use on computer ECM input circuits
- *LOADpro* performs a voltage drop test with press of a button
- Steady pin probe tips – small recess allows probe to sit on connector pin
- Pressing the switch applies a load of 40mA per volt across the circuit (example: 40mA x 12V = .48A of load)
- Automotive, Heavy duty, Marine, RV and equipment



EEFF500

Data Bus Fault Finder

EEFF500 Data Bus Fault Finder
- Modern vehicles have 15–20 computers talking to each other on shared circuits that can fail
- Technicians can waste time searching for a serial data circuit failure or use this product
- The “go to” tool to diagnose scan tool communication failures
- User-controlled elimination of modules to isolate defects and find failure location
- Eliminate rogue/defective modules that lock up data bus via 12 switchable data circuits
- LED indicators that light amber for short to ground and red for short to power, plus a self test upon powering on
- 12 standard banana jacks for DMM probing
- Communicates via Data Bus Network Connector
- US Patent #7,664,579
- Two-year warranty

EEFF500-1 GM Star Cable
- GM Star Cable for EEFF500 Data Bus Fault Finder

EEFF500-2 GM Double Stack Cable
- GM Double Stack Cable for EEFF500 Data Bus Fault Finder

EEFF500-3 Breakout/Pigtail Cable
- Breakout/Pigtail Cable for EEFF500 Data Bus Fault Finder

EEFF500-4 DC Power Cord
- Power Cord for EEFF500 Data Bus Fault Finder

EEFF500-PB Storage Case
- Storage Case for EEFF500 Data Bus Fault Finder

TECHNICAL SUPPORT 1-888-704-9201



EEDMRACKM



EEDMRACKBJR

Storage Rack

EEDMRACKM Magnetic Test Lead Storage Rack
- Convenient rack to hold circuit testers, DMM lead sets, amp clamps, temperature probes and other accessories for multimeters
- Both racks can be mounted to wall with screws or placed on rollcab with magnetic back

EEDMRACKBJR DMM Banana Jack Storage Rack
- Convenient rack with banana jacks to hold test leads, back probes, adaptors and more



YA11167

OBD-II Breakout Box (Blue-Point®)

YA11167 OBD-II Breakout Box
- Provides easy access to all 16 OBD-II terminals and connection to scan tool
- Eliminates guessing which terminals are being probed
- Eliminates damage to vehicle terminals from probing
- Tester probes plug in securely so you are free to diagnose
- No more crawling under the dash
- Great for diagnosing inoperative communication links

WARNING
• Do not use in environment with explosive vapor
• Read safety precautions on pages W1 to W4

CIRCUIT TESTERS



EECT60660

Relay Kit

EECT60660 Deluxe Relay Test Kit
- Kit makes testing relays or live circuits quick and easy
- Includes eight jumpers to fit most popular relays
- Includes test lead kit for easily and securely connecting relay test jumpers to a multimeter
- Relay puller pliers easily remove electrical relays without damage to the relay or electrical box

EECT60660-1 Gray Test Jumper
EECT60660-2 White Test Jumper
EECT60660-3 Blue Test Jumper
EECT60660-4 Green Test Jumper
EECT60660-5 Orange Test Jumper
EECT60660-6 Red Test Jumper
EECT60660-7 Yellow Test Jumper
EECT60660-8 Purple Test Jumper
EECT60660-9 Orange Banana Plug Adaptor
EECT60660-10 Y-Terminal Lead with Green Plug
EECT60660-11 Terminal Lead with Blue Plug
EECT60660-12 Terminal Lead with Yellow Plug
LIL46950 Relay Puller Pliers
EECT60660-PB Storage Case



YA111KITA

Short Circuit Locator

YA111KITA Relay Shorting Plug Kit
- Plugs close normally open contacts and instantly determine which half of an output circuit is suspect
- Eliminates guessing which terminals to short
- Significantly reduces diagnostic time
- Kit works on all vehicles using standard four- and five-pin relays
- Avoids damage to relay socket as a result of probing

YA111-10A Relay Shorting Plug
YA111-15A Relay Shorting Plug
YA111-20A Relay Shorting Plug



EEFB310



EEFB315

Fuse Buddy® Kits

EEFB310 *Fuse Buddy* Pro Test Kit
- Great tool for reading circuit amperage draws and troubleshooting up to 30A
- Includes: one meter with three interchangeable test functions: 30A MINI circuit current testing, 30A ATC circuit current testing and 30A all purpose current test
- Plugs directly into MINI and ATC fuse sockets
- Original fuse is replaced in line, thereby maintaining circuit protection
- Measuring range: 0–30A/48V DC – 10 seconds
- Accuracy: ±2% of reading
- Resolution: 100mA

EEFB315 Max *Fuse Buddy* Kit
- MAXI circuit testing capability up to 80A
- Works with ATC and MINI circuits (adaptors included)
- Unit features peak hold functions and one-touch zero function
- Use on antilock brake circuits, car stereo circuits, power distribution circuits, marine and automotive branch circuits, rear window defogger circuits, solar power DC branch circuits, traction control circuits, solar charge controller circuits and heavy duty equipment circuits
- Amps: 0–80A DC
- Resolution: 0.1A
- Accuracy: ±2.0% of reading + four digits



YA8006



YA8005

Fuse Savers

YA8006 Master Fuse Saver Kit
- Dual type fuse box connector with 10' cord allows you to move around the vehicle shake testing wires while looking for the short
- No wasted fuses
- Includes: 5A, 10A, 15A, 20A and 30A resetting breaker handles, buzz alert module and six fuse adaptors
- Use when installing radios, CD players, radar detectors and other accessory equipment
- CE

YA8005 Fuse Saver Kit
- Dual type fuse box connector with 10' cord allows you to move around the vehicle testing wires while looking for the short
- Includes: 10A, 15A and 20A resetting breaker handles
- Use when installing radios, CD players, radar detectors and other accessory equipment

Accessories
YA8005-EXT 10' Extension Cord
YA8005-11 Buzz Alert Adaptor


YA8026


YA8027


YA8028


YA8029


TLT8003


TLT8000


TLT5


TLT6


TLT7


YA3179B

Trailer Harness Testers and Adaptors

YA8026 Towing Maintenance Kit
- Use for four-/five-pin vehicle side circuit testing and cleaning
- Test, clean and repair truck and trailer connections
- Great preventative maintenance tool
- Extends harness life
- Eliminate guesswork, reduce down time and improve safety
- Kit includes: four-/five-pin tester, terminal cleaning tool and 2 mL tube of DeoxIT® electric contact cleaner
- Packaged in compact clamshell

YA8027 Towing Maintenance Kit
- Use for six round pin vehicle side circuit testing
- Test, clean and repair truck and trailer connections plus light assemblies
- Great preventative maintenance tool
- Extends harness life
- Eliminate guesswork, reduce down time and improve safety
- Kit includes: six round pin tester, two terminal cleaning tools and 2 mL tube of *DeoxIT* electric contact cleaner
- Packaged in compact clamshell

YA8028 Towing Maintenance Kit
- Use for seven spade pin vehicle side circuit testing and cleaning
- Test, clean and repair truck and trailer connections
- Great preventative maintenance tool
- Extends harness life
- Eliminate guesswork, reduce down time and improve safety
- Kit includes: seven spade pin tester, two terminal cleaning tools and 2 mL tube of *DeoxIT* electric contact cleaner
- Packaged in compact clamshell

YA8029 Towing Maintenance Kit
- Use for seven round pin vehicle side circuit testing and cleaning plus seven round pin connector cleaning
- Test, clean and repair truck and trailer connections
- Great preventative maintenance tool
- Use as a pin wear gauge on trucks and trailers
- Eliminate guesswork, reduce down time and improve safety
- Kit includes: YA3179B seven round pin tester, IPA8024-AS1 and IPA8024-AS2 two round pin terminal cleaners plus 2 mL tube of *DeoxIT* electric contact cleaner

Electrical Brushes


AC41C

AC41C Taillight Socket Brush
- Stiff carbon steel wire bristles
- 6 5/8" long

TLT8003 Trailer Plug Adaptor (Blue-Point®)
- Converts 12V feed at the back of a truck or SUV trailer socket to a dual 12V power outlet
- Powers 12V test equipment, charging equipment and work lights in shop environment
- Recreation purposes such as running air pumps, radios or TVs while tailgating and camping
- Plugs into any seven-way spade pin trailer connection

TLT8000 3-Way Trailer Adaptor
- Adapts seven-way connection to six round pin and four-/five-pin connections
- Sealed plugs to keep road debris from corroding connections
- Winged grip for easy installation and removal
- Use on medium/light duty trucks, 1/2, 3/4 and 1 ton pickups, campers and other heavy duty applications

TLT5 Trailer Harness Tester
- Easily locates electrical problems in the tow vehicle
- Checks both four- and five-pin flat trailer connectors with LED indicator lights
- Tests left and right signals, brake lights and running lights

TLT6 Trailer Harness Tester
- Checks six-pin round trailer connectors with LED indicator lights
- Same applications as TLT5

TLT7 Trailer Harness Tester
- Checks seven spade/flat pin trailer connectors with LED indicator lights
- Same applications as TLT5

YA3179B Circuit Chaser
- Round pin circuit chaser for semi trailers
- Test the semi trailer plug and cable
- Both male and female ends so technician can isolate a fault to trailer or cable
- Can temporarily repair short circuits in the shop or on the road
- Includes: five jumper tabs and one replacement prong



MTAC110

AC Voltage Sensor

MTAC110 AC Voltage Sensor
- Non-intrusive AC sensor detects voltage from 110–600V AC
- Use to ensure the absence of current before working on a circuit
- Move probe tip along an insulated wire, near an outlet or near a circuit breaker and tip will glow if voltage is present

⚠WARNING
- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4

LEAK DETECTORS



EELD500



EELD500CVR



EELD500-4



EELD500C02

Portable Diagnostic Smoke Machine

Stock No.	EELD500
Power Supply	12V DC
Power Consumption	12/18V DC, 25 amps
Supply Volume	10 liters per minute
Line Length/Smoke Supply, ft. (m)	8 (2.44)
Line Length/Power Supply, ft (m)	8 (2.44)
Line Length/Remote Starter, ft (m)	50 Range
Weight, lb (kg)	11.5 (5.25)
Overall Dimensions, inches (mm)	12W x 9D x 12H (310W x 230D x 310H)

EELD500 Portable Smart Smoke® Machine

- Portability, take it under and around vehicle with optional 14.4V Ni-Cad or 18V Li-Ion battery and operate using cordless remote control or connect to vehicle 12V battery
- Necessity, eight of the top emission DTC codes can be diagnosed with *Smart Smoke* technology
- Computerized digital readout displays leak sizes down to 0.001" - LPM and Pressure/vacuum in H_2O
- Smart, self calibrates for .010", .020", .040" and automatically preforms EVAP pass/fail test
- One touch EVAP testing with automatic pass or fail
- Low flow mode makes it easier to find leaks
- Vacuum port adaptor to diagnose Chrysler® ESIM and NVLD systems
- Find leaks, the evaporative emissions diagnostic smoke machine delivers EVAP testing and general purpose applications
- Conveniently functions with OEM specified nitrogen, portable CO_2 (ships empty) bottle or shop air
- Patented UltraTraceUV® dye solution pinpoints leaks
- OEM approved smoke technology
- Smoke solution is safe and does not produce unpleasant odor in the shop
- Unit ships with enough smoke solution to perform 200 tests – EELD500-1
- Three-button control display select, Orifice select and Start
- Combo LED and UV light in one and remote control are included
- Convenient hanger for under car and under hood use
- Lightweight and compact stores in large bottom roll cab drawer or hang with optional cover to protect from shop dirt and dust
- Product support: three-year warranty, instructional video SS3229
- Patents #6,526,808 #6,439,031, #6,392,227
- Other patents pending

EELD500 Smoke Machines Includes:
EELD500-1 8 oz Bottle of *UltraTraceUV* Dye Solution
EELD500-2 Large Adaptor Cone
EELD500-3 Vacuum Adaptor
EELD500-4 Combination LED UV Light and Yellow Glasses
EELD500-5 Removable Battery Clamp Lead Set
EELD500-REM Remote Control
EELD500-Z User Manual
EELD301A2 Assorted Cap-Plug Set
EELD301A3 Exhaust Cone (1" x 3.5" Diameter/6" Long)
EELD301A4 Smoke Diffuser (for finding wind/water leaks)
EELD302A2 EVAP Service Port Adaptor Fitting – Standard Size
EELD302A4 Dual-Size Schrader Removal/Installation Tool
Optional Accessories for EELD500
EELD500C02 C02 Bottle and Regulator
EELD500CVR Protective Cover
CTC620 Battery Charger
CTB4187 18V Slide-on Battery
EELD500-1 Additional 8 oz Bottle of Solution
EELD500-6 Second Smoke Hose
YA4000B Vacuum Pump
EELDGASCAP Gas Cap Adaptor (3 pack)
EELDGASBMW Gas Cap Adaptor BMW® (1 each)

TECHNICAL SUPPORT 1-800-901-1988

EELD100A Diagnostic Smoke Machine (EVAP)

- Find Leaks – Contains Diagnostic Smoke® technology for EVAP testing and general purpose applications
- Necessity – eight of the top ten Emission DTC codes can be diagnosed with this unit
- Patented UltraTraceUV® non-contaminating dye solution pinpoints leaks smoke alone cannot
- Smoke solution does not produce an unpleasant odor in the shop
- Combo LED and UV light in one, plus special glasses are included
- Variable Flow Control manually reduce flow to help pinpoint the exact location of a leak
- Conveniently functions with OEM specified optional nitrogen, portable CO_2 bottle (ships empty) or shop air
- OEM approved smoke technology
- Unit ships with enough smoke solution to perform 200 tests
- Convenient hanger for under car and under hood use
- Lightweight and compact stores in large bottom roll cab drawer or hang with optional cover to protect from shop dirt
- CE, DE, ES, FR, IT, GB, NL

PATENTS

- Nitrogen Patent #6,526,808
- Nitrogen with Dye Patent #6,439,031
- Dye Patent #6,392,227

STANDARD ACCESSORIES

(Included with EELD100A)

- EELD500-1 8 oz Bottle *UltraTraceUV* dye solution
- EELD301A2 Assorted Cap Plug Kit
- EELD301A3 Exhaust Cone (1"–3.5" DIA, 6"L)
- EELD301A4 Smoke Diffuser
- EELD100-4 Combination UV light and Glasses
- EELD302A2 EVAP service port fitting
- EELD302A4 Schrader removal/ install tool
- EELD100A-Z User manual in seven languages

OPTIONAL ACCESSORIES

- EELD500C02 CO_2 Bottle and Regulator
  – EELD500C02 ships empty and needs to be filled at a hardware store
- EELD500CVR Protective Cover
- EELD500-1 Additional 8 oz Bottle of Solution
- EELDGASCAP Gas Cap Adaptor 3pc
- EELDGASBMW One Gas Cap Adaptor BMW®
- EELD100A-3 Smoke Hose Extension with nozzle
- EELD100A-4 Tee Connector with Delrin® nozzle
- EELD301A1 Nitrogen Hose
- EELD302A3 EVAP Port Adaptor (Ford® service)



EELD100A

Stock No.	EELD100A†
Power Supply	12V DC
Power Consumption	12V DC, 25A
Supply Volume	10 L/min
Line Length/ Smoke Supply, ft (m)	8 (2.44)
Line Length/ Power Supply, ft (m)	8 (2.44)
Line Length/ Remote Starter, ft (m)	10 (3)
Weight, lb (kg)	11.5 (5.25)
Overall Dimensions, inches (mm)	12H x 13D x 12W (305H x 229D x 305 W)

†CE

EELD500 and EELD100A APPLICATIONS

- Air cleaner assembly • Air ducts
- Air valves • Cylinder heads
- Diaphragms • EGR valve • EVAP
- Exhaust manifolds • Exhaust pipes and mufflers • Fuel Tank Pressure Sensor • Intercooler • Intake gaskets
- Injector o-rings • Loose clamps
- MAP sensors • Mass air flow meter
- Oil leaks • PCV valve and hoses
- Throttle body shaft • Turbos
- Vacuum hoses • Vacuum switches
- Wind and water

Evaporative Emissions *Diagnostic Smoke* Vapor Producing Machines – Feature Comparison

	EELD100	EELD500
Uses *Diagnostic Smoke* vapor technology developed in collaboration with *Ford* Motor Co., GM®, Daimler Chrysler® and approved by most major OEMs.	•	•
Patented non-contaminating *UltraTraceUV* dye solution pinpoints the leak. The only dye solution mandated by most major OEM's. Will not harm activated charcoal canister, ORVR valve, purge valves, catalytic converters, O_2 sensors, seals or gaskets and determined not to void vehicle factory warranty.	•	•
The only Patented technology (STAR) that meets specifications when OEMs require nitrogen for safer EVAP system testing.	•	•
Designed with an electronic Safety Valve that automatically shuts off air flow into the vehicle's EVAP system when the machine turns off. This stops gasoline fumes from exiting the EVAP system and filling your work bay.	•	•
TECH LINE Supported 1-800-901-1988 for end user to help with any and all EVAP problems.	•	•
Vacuum / Pressure Gauge for vacuum / pressure decay.	•	•
Convenient Hook with fold down handle for hanging under car or under hood and easy storage in tool box.	•	•
Ability to read and display leak size of .010".	•	•
10-Year Warranty On Bosch Glow Plug a reliable heating system that lasts much longer than fiberglass wick-style units.	•	•
Variable Flow Control manually reduces flow to help pinpoint the exact location of a leak.		•
Low Flow Pulsating Mode automatically adjusts flow to optimal setting to help find small leaks.	•	
One-Touch EVAP Testing with automatic pass or fail.	•	
Variable Flow Control manually reduces flow to help pinpoint the exact location of a leak.	•	
Low Flow Pulsating Mode automatically adjusts flow to optimal setting to help find small leaks.	•	
One-Touch EVAP Testing with automatic pass or fail.	•	
Vacuum Port Adapter can apply hand vacuum pump for testing Fuel tank Pressure Sensors, *Chrysler* ESIM & NVLD systems. Also gives you dual smoke hose capability.	•	
100% Portable to work off site, or anywhere outside of work bay area with optional Snap-on® power tool battery and CO_2 kit.	•	
Computerized Digital Display down to .001" means you're prepared for any industry leak standard changes.	•	
Computerized Digital Display Reading Flow in Liters per Minute to make sure factory specs are met.	•	
Computerized Digital Display Reading Pressure / Vacuum in H_2O to compare to FTP Sensor for in-depth diagnostic ability.	•	
Sleep Mode with Memory retains test results if machine shuts down after five minutes.	•	
Option of using vehicle battery or 12 volt, 14.4 volt NiCad,18 volt NiCad or Lithium *Snap-on* Cordless Batteries.	•	
Cordless remote so there is no need to walk back and forth when doing a job.	•	
Micro-processor touch pad for quick and easy operation.	•	
Ability to Choose Inert Gas at start-up for 100% accurate results.	•	

⚠WARNING

- Do not use in environment with explosive vapor
- Use only in well ventilated area
- Read safety precautions on pages W1 to W4

LEAK DETECTORS



EELDGASCAP



EELD302REG



EELD500-1

EELDGASCAP1 Fuel Tank Filler Neck Adaptor (Blue-Point®)
- Quickly pops on virtually any filler neck
- Costly replacement seals are no longer needed
- One size fits all (new model vehicles may be subject to change)

EELDGASCAP Fuel Tank Filler Neck Adaptor
- 3 pack of EELDGASCAP1

EELDGASBMW Fuel Tank Filler Neck Adaptor
- Single for BMW® vehicles

EELD302REG Gas Flow Regulator *(Blue-Point)*
- 100 PSI preset regulator guarantees proper operating pressure for any smoke machine
- Easily connects to nitrogen cylinder (optional)

EELD301A1 UltraTraceUV® Smoke Solution
- *UltraTraceUV* brand smoke producing solution for use with EELD301A/EELD302B smoke machines
- Single 12 oz bottle

EELD500-1 *UltraTraceUV* Smoke Solution
- Single 8 oz bottle



ACT790A

ACT790A Combustible Gas Detector
Find leaks in fuel and exhaust systems plus verify integrity of fuel storage containers. Detectable compounds include acetylene, iso-butane (R600a), methane, ethane (R170), propane (R290), hydrogen, acetone, methanol and gasoline. Probe length of 17". Uses four AA alkaline batteries. Conforms with SAEJ1627 and is designed to conform with SAEJ2791. Body length of 10 3/8". Includes storage case.

- Numeric leak size indicator
- Audio mute function
- Automatic calibration
- Comfortable neoprene grip
- Intrinsic safety certified
- Three levels of sensitivity
- Flashing probe LED visual leak indicator
- Long life sensor
- High impact injected molded instrument case
- Two-year warranty on detector, two-year warranty on sensor
- CE

HANDHELD GAS ANALYZERS



MT706A

Carbon Monoxide Analyzer

MT706A Carbon Monoxide Analyzer *(Blue-Point)*
- Monitor and test adjustments affecting carbon monoxide emissions from gas powered vehicles, propane powered forklifts plus other combustion style equipment
- Flow indication warns of restricted emissions flow due to clogged or pinched lines
- Backlit display for ease of reading in dim light
- Range is 0%–10% CO (approx. 100,000 PPM)
- Response time is 90% of reading in less than 60 seconds
- CE

TECHNICAL SUPPORT: 1-888-382-6522



HHGA5B



HHGA5BP

HHGA5B Handheld Gas Analyzer Kit (5 Gas)
Independent Handheld 5 Gas Analyzer or use with MODIS™ Link, VERDICT® and VERUS® Bluetooth® link.

- Fully Portable 5 Gas Analyzer, go anywhere, use anywhere
- 110V AC and 12V powered
- Internal rechargeable battery, up to one hour use
- Ideal for road testing and mobile use
- Measures exhaust emissions for CO, CO_2, HC, O_2, NOx and AFR/Lambda
- Provides an instant assessment of an engine vehicle exhaust and catalytic converter
- *MODIS*, *VERDICT* and *VERUS* Link for enhanced real-time viewing
- Setup required with included software on USB stick
- Gather all the evidence required for effective and accurate vehicle diagnostics on one screen in real time
- View, graph, save and recall data
- Monitor and reduce vehicle emissions, improve driveability and fuel efficiency
- There are 255 memory locations in the analyzer to track and print data for the same or many different vehicles
- Compatible with gasoline, CNG, propane and diesel fuel types
- Service is handled at Crystal Lake Northern Repair-Annual Cal and sensor replacement. Meets required industry standard
- Problems in ignition system (Spark plugs, wires)
- Engine compression problems
- Temperature sensor malfunction
- EGR Valve problems
- Dirty air filter

TECHNICAL SUPPORT: 1-888-717-1333

- Obstructed intake valve ports
- Lambda Sensor failure
- Excessive Fuel Consumption
- Misfire
- Rusted exhaust (internal or external rust)
- Non-homologated exhaust (wrong back pressure)
- Melted catalytic converter
- Worn out catalytic converter
- Obstructed exhaust or catalytic converter

HHGA5BP Handheld Gas Analyzer Kit (5 Gas)
Same features as HHGA5B, includes printer and hard storage case.

Accessories

HHGA-8 Motorcycle Exhaust Probe
- Optional motorcycle exhaust probe for HHGA series gas analyzers

HHGA-9 Five Gas Exhaust Probe
- 5 gas exhaust probe for HHGA series gas analyzers

HHGA-11 Filters
- Filters for HHGA Series gas analyzers

HHGA-16 AC Adaptor
- Designed for use in the service bay

HHGA-17 12 V Adaptor
- Designed for use in the service bay or on the road

HHGA-18 Paper Roll
- Replacement paper roll for HHGA-5 infrared printer

HHGA-PRINTER Infrared Printer
- Infrared printer for HHGA series gas analyzers

⚠WARNING

- Do not use in environment with explosive vapor
- Use only in well ventilated area
- Read safety precautions on pages W1 to W4

VIDEOSCOPES



BK5600



BK6500



BK8000

Specifications	BK5600	BK6500	BK8000
Power Supply	6 AA Alkaline Batteries	3.7V Li-ion, 2600 mAh 9.6 watt hour battery	(2) 3.7V Li-ion, 2600 mAh 9.6 watt hour battery
Width, inches (mm)	Viewer: 1.77 (45)	Viewer: 1.77 (45)	Viewer: 1.77 (45)
Length, inches (mm)	Viewer: 7.2 (180); Imager: 36 (0.91)	Viewer: 7.2 (180); Imager: 36 (0.91)	Viewer: 7.2 (180); Imager: 36 (0.91)
Height, inches (mm)	Viewer: 3.94 (100)	Viewer: 3.94 (100)	Viewer: 3.94 (100)
Resolution (Reading Display)	480 x 272 RGB Backlight LED	480 x 272 RGB Backlight LED	480 x 272 RGB Backlight LED
Video Out	NTSC/PAL	NTSC/PAL	NTSC/PAL
Run Time (hours)	Alkaline Batteries: 6; NiMh Rechargeable Batteries: 6	3–4 hours on full charge	3–4 hours on full charge
Operating Temperature Range	32 °–140 °F (0 °–60 °C)	32 °–140 °F (0 °–60 °C)	32 °–140 °F (0 to 60 °C)
Storage Temperature	-4 °–140 °F (-20 °–60 °C)	-4 °–140 °F (-20 °–60 °C)	-4 °–140 °F (-20 to 60 °C)
Field of View, Forward	Approx. 56° diagonal	Approx. 56° diagonal	Approx. 56° diagonal
Field of View, Side	Approx. 56° diagonal	Approx. 56° diagonal	Approx. 56° diagonal
Resolution	Imager: 640 x 480	Imager: 640 x 480	Imager: 640 x 480
Optimal Focal Range	0.5"–12" (12 cm–30.5 cm)	0.5"–12" (12 cm– 30.5 cm)	0.5"–12" (12 cm–30.5 cm)
Water Resistance	Imager only when assembled: to a depth of 10' (3 m)	Imager only when assembled: to a depth of 10' (3 m)	Imager only when assembled: to a depth of 10' (3 m)

BK5600 True Digital Video Inspection Scope

- 4.3" diameter screen vs. 2.4" diameter screen of original BK5500, for even better viewing
- Digital still image capture with included SD card storage
- Includes 36" digital imager with 8.5 mm diameter head
- Uses six AA Alkaline batteries
- Touchscreen interface enables easy feature selection
- 90° glass mirror and magnet retrieval accessories included
- Includes storage tray. Keep in your tool storage drawer for security
- Two-year warranty – serviced through Snap-on® Repair Centers
- CE– DE, ES, FR, IT, GB, NL

BK6500 Video/Still Recording Digital Borescope

BK8000 Wireless Digital Videoscope

- 4.3" diameter screen
- Digital video and image capture with internal memory as well as SD card storage
- 36" Dual imager is included – see straight ahead or at a 90° angle
- Wireless 802.11n provides clear image transmission
- Rechargeable lithium batteries in both the viewer and imager
- Three mega-pixel rear-view camera allows technician to document pre-service vehicle condition
- Touchscreen interface enables easy feature selection
- USB port for mass storage
- Includes blow molded case
- Two-year warranty – serviced through *Snap-on* Repair Centers
- CE— DE, ES, FR, GB, IT and NL
- BK5500, BK5500W and BK6000 imagers are not compatible with BK8000 units

Specifications	BK8000-55	BK8000-56	BK8000-38-1	BK8000-38-2	BK5500-38-1	BK5500-38-2
Description	36" Dual View Imager (5.5 mm head)	79" Dual View Imager (5.5 mm head)	36" Forward View Imager (3.8 mm head)	36" mm Side View Imager (3.8 mm head)	36" Forward View Imager (3.8 mm head)	36" mm Side View Imager (3.8 mm head)
Power Supply	Forward View Imager: 100 mA; Side View Imager: 100 mA	Forward View Imager: 100 mA; Side View Imager: 100 mA	100 mA	100 mA	100 mA	100 mA
Width, inches (mm)	.2165 (5.5)	.2165 (5.5)	.1496 (3.8)	.1496 (3.8)	.1496 (3.8)	.1496 (3.8)
Length, inches (mm)	36 (914.4)	79 (2,006)	36 (914)	36 (914)	36 (914)	36 (914)
Operating Temperature Range	32 °–113 °F (0 °–45 °C)	32 °–113 °F (0 °–45 °C)	32 °–113 °F (0 °–45 °C)	32 °–113 °F (0 °–45 °C)	32 °–113 °F (0 °–45 °C)	32 °–113 °F (0 °–45 °C)
Storage Temperature	-4 °–158 °F (-20 °–70 °C)	-4 °–158 °F (-20 °–70 °C)	-4 °–158 °F (-20 °–70 °C)	-4 °–158 °F (-20 °–70 °C)	-4 °–158 °F (-20 °–70 °C)	-4 °–158 °F (-20 °–70 °C)
Optimal Focal Range	Forward View Imager: 1"–12" (2.5 cm–30 cm); Side View Imager: 1"–12" (2.5–30 cm)	Forward View Imager: 1"–12" (2.5 cm–30 cm); Side View Imager: 1"–12" (2.5–30 cm)	1"–12" (2.5 cm–30 cm)	1"–12" (2.5 cm–30 cm)	1"–12" (2.5 cm–30 cm)	1"–12" (2.5 cm–30 cm)
Water Resistance	Imager to a depth of 10' (3 m)	Imager to a depth of 10' (3 m)	Imager to a depth of 10' (3 m)	Imager to a depth of 10' (3 m)	Imager to a depth of 10' (3 m)	Imager to a depth of 10' (3 m)
Lighting Description	Forward View Imager: 4 mini-LEDs with custom ring light pipe; Side View Imager: single LED with custom light pipe	Forward View Imager: 4 mini-LEDs with custom ring light pipe; Side View Imager: single LED with custom light pipe	3 mini-LEDs with custom ring light pipe	2 super bright LEDs with custom light pipe	3 mini-LEDs with custom ring light pipe	2 super bright LEDs with custom light pipe
Weight, lb (kg)	0.5 (0.227)	0.75 (0.340)	0.14 (0.07)	0.14 (0.07)	0.14 (0.07)	0.14 (0.07)
Maximum Light Output	Forward View Imager: 300 Lux; Side View Imager: 2,400 Lux at 1" (open air dissipation)	Forward View Imager: 300 Lux; Side View Imager: 2,400 Lux at 1" (open air dissipation)	300 Lux at 1" (open air dissipation)	350 Lux at 1" (open air dissipation)	300 Lux at 1" (open air dissipation)	350 Lux at 1" (open air dissipation)
Maximum Bend Radius	3/4" (19.05 mm)	3/4" (19.05 mm)	3/4" (19.05 mm)	3/4" (19.05 mm)	3/4" (19.05 mm)	3/4" (19.05 mm)
Humidity	5%–100% non-condensing	5%–100% non-condensing	5%–100% non-condensing	5%–100% non-condensing	5%–100% non-condensing	5%–100% non-condensing

Two-year warranty
DE, ES, FR, IT, GB, NL and JP

BK8000-55 Dual View Imager, 5.5 mm Diameter
- 5.5 mm imagers get into much tighter spaces than standard 8.5 mm
- Dual View Digital Cameras see straight ahead or at a 90° angle
- No need for additional mirror attachment
- Close focus provides incredible detail
- Imagers are resistant to all common automotive chemicals

BK8000-56 Dual View Imager, 5.5 mm Diameter 78 3/4" in length

BK5500-38-2 Side View Imager (3.8 mm diameter)
- For use on BK5500, BK5500W and BK6000 Digital Borescopes
- Analog sensor technology provides small package size to access the smallest port sizes
- Side view imager allows the user to see the cylinder wall and valves
- Side view imager features a permanently attached mirror so it can't fall off
- 3.8 mm outside diameter fits most glow plug ports
- Imagers are resistant to all common automotive chemicals

BK8000-38-6 Cleaning Swabs

BK5500-38-1 Forward View Imager (3.8 mm diameter)
- For use on BK5500, BK5500W and BK6000 Digital Borescopes
- Analog sensor technology provides small package size to access the smallest port sizes
- Forward view Imager allows the user to see combustion cup of piston
- 3.8 mm outside diameter fits most glow plug ports
- Imagers are resistant to all common automotive chemicals

BK8000-38-1 Forward View Imager (3.8 mm diameter)
- For use on BK5600, BK6500 and BK8000 Digital Borescopes
- Digital sensor technology provides small package size to access the smallest port sizes
- Forward view Imager allows the user to see combustion cup of piston
- 3.8 mm outside diameter fits most glow plug ports
- Imagers are resistant to all common automotive chemicals

BK8000-38-2 Side View Imager (3.8 mm diameter)
- For use on BK5600, BK6500 and BK8000 Digital Borescopes
- Digital sensor technology provides small package size to access the smallest port sizes
- Side view imager allows the user to see the cylinder wall and valves
- Side view imager features a permanently attached mirror so it can't fall off
- 3.8 mm outside diameter fits most glow plug ports
- Imagers are resistant to all common automotive chemicals

⚠WARNING

- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4

VIDEOSCOPES


BK5500-7


BK5500-9


BK5500-10


BK5500-12


BK5500-13


BK5500-15

Stock No.	Description	Included with BK5500A	Accessory for BK5500A	Included with BK6000	Accessory for BK6000
BK5500-1	36" Imager (8.5 mm head)	•			
BK5500-2	Mirror and Magnet	•		•	
BK5500-6	Blow Molded Case		•		
BK5500-7	72" Imager (8.5 mm head)		•		•
BK5500-8	Video Out Cable	•			
BK5500-9	120" Imager (8.5 mm head)		•		•
BK5500-10	36" Blue Light / UV Imager (8.5 mm head)		•		•
BK5500-12	Dual Imager (mm head)		•		•
BK5500-13	36" View Imager (5.5 mm head)		•		•
BK5500-15†	30" Dual Imager (12.5 mm head)		•		•
BK6000-1	Battery, Li-ion			•	
BK6000-2	S-Hook			•	
BK6000-6	Blow Molded Case			•	
BK6000-10	Battery Charger			•	
BK6000-11	Earbud and Microphone				•
BK6000-12	USB Cable			•	
BK6000-13	Kick Stand			•	
–	(4) AA Batteries	•			
–	Warranty	2 years		2 years	
–	Instruction Manual	•		•	

† CE

STETHOSCOPES


YA6930

Electronic

Quickly pinpoint the source of noise or vibration in underhood, undercar and vehicle interiors.
Six selectable channels allow placement of sensors in various locations to pick up bearing, gear, engine, suspension, drive accessory and wind noises.

YA6930 Electronic Engine Stethoscope

- Electronic Stethoscope amplifies sound during diagnosis or verification of proper vehicle operation
- Use to pinpoint faulty bearings, injectors, squeaks, rattles and more
- Mode selection switch with LED indicator easily switches between the sound and vibration functions
- Noise cancellation feature eliminates background noise
- Studio style headphone set with tangle-free cord
- Detachable flex wand with LED illuminated tip
- Rotary volume control
- Lightweight and balanced with ergonomic comfort grip
- CE



YA6890KT



YA6910



YA6920

Electronic

YA6890KT Electronic Squeak and Rattle Finder (Blue-Point®)

- Quickly pinpoints source and location of noises emanating from under chassis, under hood, transmission, differential/CV joint, faulty fuel injectors and bearings, gears and suspension parts
- Helps detect and isolate squeaks, rattles, groans, cowl "pops", clunks, growls, thumps, rumbling and ticking noises
- Wireless transmitters feature magnetic body with versatile clip
- Wireless channel receiver isolates six different transmitter locations
- LED lights indicate the strength of signal of the active channel
- Illuminated button indicates active channel at a glance

YAH6890KT European Version

YA6910 Mini Electronic Stethoscope (*Blue-Point*)

- Convenient diagnostic tool can pinpoint location of noise caused by bad bearings, bushings, dirty fuel injectors, wind and air leaks, noisy valves and lifters
- Allows user to monitor gears, bearings and suspension components under load so problems can be more accurately diagnosed
- Sensor clamp helps to detect noises during vehicle test drive that cannot be duplicated in the work bay
- Sensor tip mounted on 6" flexible shaft allows access to hard-to-reach areas
- 5" inductive metal probe allows user to pinpoint source of noise or vibration
- Ultra sensitive microphone provides a full range of sound
- Features a rotary style adjustable volume control

YA6920 Electronic Marine Stethoscope (*Blue-Point*)

- Unique diagnostic listening device specifically designed to pinpoint squeaks, rattles and other troublesome noises in most marine vessels and watercraft with inboard or outboard motors
- Test for noise and harmonic vibration on bearings, under dash areas, control cables, fuel injectors, cabinets and compartments, alternators, switches, pumps, final drives, steering gears, gear cases, steering pumps, hulls and compressors
- 14' long, water resistant wire loom harness allows user to diagnose hard-to-reach problem areas
- Six spring-loaded, color-coded stainless-steel sensor clamps with built-in super sensitive microphone in the tips for optimal sound detection
- Heavy duty professional headphones block any unwanted sounds

Mechanic's

GA111D Mechanic's Stethoscope

- Locates any engine sound such as bearing noise, knocks and squeaks in fan or water pump, and valve tappets
- Sound amplifying diaphragm and a 12" probe to locate trouble



GA111D

INFRARED THERMOMETERS



CTG761

These infrared thermometers safely monitor hot, hazardous or hard to reach materials without contamination or damage to the surface. Simply point at target, pull the trigger and read the temperature on the large, backlit LCD display.

Applications:

- Pinpointing radiator core restrictions
- Checking exhaust and emission control problems
- Measuring catalytic converter temperatures
- Diagnosing exhaust manifolds for combustion problems
- Measuring tire temperatures
- Measuring race track temperatures
- Measuring bearing, rotor, drum or brake temperatures for potential problems
- HVAC – Use for temperature room balancing, check supply/return registers duct work, monitor steam traps, furnace performance plus use in energy audits
- Check bearing, rotor, brake and drum temperatures

Features	CTG761†
IR Range	-50 °–1,000 °C (-58 °–1,832 °F)
IR Resolution	< 1,000 °C/°F : 0.1 °C/°F > 1,000 °C/°F : 1 °C/°F
IR Accuracy	0 °–560 °C : ±2% or 2 °C -18 °–0 °C : 3 °C -50 °– -18 °C : 5 °C 560 °–1,000 °C : ±2% ± 3 °C
IR Repeatability (+23 Ems=0.95)	± 2% or ± 2 °C
K Type Range (Thermocouple) (Optional)	-200 °–1,300 °C
K Type Resolution (Thermocouple) (Optional)	-99 °C/°F–999 °C/°F : 0.1 °C/°F Other : 1 °C/°F
K Type Accuracy (Thermocouple) (Optional)	0.5% of Reading ± 1 °C
Response Time	500 mSec
Spectral Response	7–14um
Display Hold	Last reading and operating mode display for 10 sec nominal upon trigger release
Emissivity	0.30–0.99 Adjustable
Alarm	Alarm On/Off and High/Low
Record	Rec/Max/Min
Ambient Operating Range	0 °–50 °C (32 °–120 °F)
Relative Humidity	10%–80% RH non-condensing
Storage Temperature	-10 °–70 °C (14 °–158 °F) without battery
Distance To Spot Size	12 : 1 (90% energy covered)
Battery Type	Snap-on® Battery Pack (Lithium ion) 7.2V/14.4V
Battery Life	About 30 hrs continuous use Laser and Back Light
Tool Only	CTG761DB†

†CE

CTG761 Infrared Thermometer

- Ergonomic design features a comfort grip equally comfortable for both right- and left-handed users
- Widest temperature range of -58 °F–1,832 °F
- Most advanced features of any professional IR gun
- Single-button trigger makes it effortless to control
- Powered by 14.4V micro lithium battery and charger –Interchangeable with our new 7.2V cordless tools and eliminates the need for extra chargers and back-up batteries
- Optional contact k-type thermocouple probe, adds to the flexibility of measuring temperatures in confined spaces, including liquid temperatures
- Seven-year warranty
- Accurate to ±2% or ± 2 °C or ±3 °F, whichever is greater
- Dual laser pointer to indicate the edges of the temp circle
- High contrast large display is even visible in bright sunlight
- Adjustable emissivity from 0.3–1.00
- Record with min, max and continual scan
- CE: DE, ES, FR, IT, GB, NL, JP

CTG761DB Infrared Thermometer

- Same as CTG761 but does not include battery, charger or storage case



RTEMP8



RTEMPB3A





RTEMPB7

Features	RTEMP8†	RTEMPB3A*†	RTEMPB7*†
Temperature Range	-60 °–760 °C (-76 °–1,400 °F)	-58 °–932 °F (-20 °–500 °C)	-31 °–689 °F (-35 °–365 °C)
Temperature Display	Selectable for °F or °C	Selectable for °F or °C	Selectable for °F or °C ±5 °C (2.7 °F)
Response Time	1 second	0.5 seconds	1 second
Emissivity	Adjustable, set to 0.95	0.98	0.95 or 0.70 (0.95 default)
Power	(2) AAA Batteries	9V Alkaline or NiCad Battery	(2) AAA Batteries
Accuracy	±1.8 °F (±1 °C)	±2% of reading or ±2 °C (±4 °F)	±1.5 °C (2.7 °F)
Distance To Spot Ratio	12:1	12:1	12:1
Ambient Operating Range	0 °–50 °C (32 °–122 °F)	32 °–105 °F	0 °–50 °C (32 °–122 °F)

*(Blue-Point®)
† CE

RTEMP8 Multi-laser Infrared Thermometer
- Easy-to-read color screen
- Modes include: E, MAX, MIN, DIF, AVG, HAL and LAL
- Distance: Spot: 12:1
- Temperature range: -60 °–760 °C (-76 °–1,400 °F)
- Operating range: 0 °–50 °C (32 °–122 °F)
- Battery: AAA size (2)
- Battery life: minimum of seven hours' continuous use with laser and 30 hours continuous use without laser
- Thermometer automatically shuts off if left idle for more than 60 seconds
- Accuracy: ± 1 °C (± 1.8 °F)
- CE: DE, ES, FR, IT, GB, NL UL – JP

RTEMPB3A Infrared Thermometer *(Blue-Point)*
- Temperature range of -58 °–932 °F (-20 °–500 °C)
- Use for most automotive and industrial applications requiring an infrared thermometer
- Compact size of 5.88" x 3.62" x 1.38" (149.2 mm x 92.1 mm x 34.9 mm)
- Laser targeting accuracy
- Enhanced backlit four-digit LCD for easy viewing
- Automatic power-off after ten seconds
- Nylon holster for transport and safe storage
- Conformity

RTEMPB7 Infrared Thermometer *(Blue-Point)*
- Modes include: E, MAX, MIN, DIF and AVG
- Distance: Spot: 12:1
- Temperature range: -35 °–365 °C (-31 °–689 °F)
- Operating range: 0 °–50 °C (32 °–122 °F)
- Battery: AAA size (2)
- Battery life: typically lasts 18 hours; minimum of 14 hours (continuous use)
- CE: DE, ES, FR, IT, GB, NL UL – JP

TACHOMETERS



EEDMTACH1



EEDMRPM500



EEDMRPMD500



MT257B

Tachometers

EEDMTACH1 Digital Tachometer
- Combination contact/non-contact tachometer with Minimum (MIN), Maximum (MAX) and LAST or current reading
- Non-contact operation uses photoelectric sensor and reflective tape (included)
- Contact measurements are taken with one of three contact adaptors: cone, concave wheel or large wheel
- Current data will remain until the next reading is taken
- Memory figures will remain until the next recorded reading is taken

Ranges:
Photo Tach: 5–30,000 RPM
Contact Tach: 0.5–19,999 RPM
Surface Speed: 0.2–6,560 ft/min or 0.5–1,999 m/min

MTTACH1A1 Photo Tape
Reflective photo tape for the EEDMTACH1 Tachometer.

EEDMRPM500 Digital Tachometer (Gas Engines)
- Use to digitally read RPM on single cylinder, 2 or 4 stroke gas engines
- Choose between 2 or 4 stroke engines and 1 or 2 spark ignition systems
- Unit provides MIN/MAX readings with eight storage locations to save readings for future reference
- Range is 300–10,000 RPM
- Powered by 9V battery (included)
- Overall dimensions are 2 3/4" x 5 3/4" x 1"

EEDMRPMD500 Diesel Engine Adaptor
- Optional diesel engine adaptor for the EEDMRPM500 digital tachometer
- Use on diesel engines only
- Range is 300–6,000 RPM

Diesel Timing Meter

MT257B Diesel Pulse Adaptor (Blue-Point®)
- Test injector timing or engine RPM on diesel engines equipped with 1/4" or 6 mm external steel fuel injector lines
- Enables use with inductive pick-up timing light to test engine timing
- MT257B is not for use on diesels with common rail fuel systems

SPECIALTY METERS AND SMALL TESTERS



RELAYTEST1



YA76562

Automotive Relay Tester

RELAYTEST1 Automotive Relay Tester
- Quickly and accurately test four and five terminal electromechanical relays used on many US and imported automobiles
- Will interrogate and identify an unknown relay terminal configuration then self configure its own internal circuitry to perform all required test functions automatically
- Can be used to perform the following tests: coil resistance, surge suppression device (resistor or diode), open/closed contact integrity, contact cyclic testing for intermittent failure detection, loaded contact continuity, relay contacts stuck open or closed and time to contact closure and opening
- Unit automatically indicates test results with a series of red, green and yellow performance lights

Coil-on-Plug (COP) Probe

YA76562 Ignition Quick Probe *(Blue-Point)*
- Quickly verify the firing of a coil on plug (COP) ignition coil and spark plug
- Eliminates the need for back probing coil wires and disassembly to test at the coil connector or spark plug
- Variable sensitivity (VS) thumbwheel for greater diagnostic accuracy and expanded application coverage
- Super bright KV and ARC indicator LEDs



EETL500



EETL5568



MT125A

Timing Lights

EETL500 Digital Tach/Advance Timing Light
EETL500 timing light kit includes:
EETL500-2 Inductive Pickup Leads, 72" (6')
EETL500-PB Storage Case
EETL500-Z Instruction Manual for EETL500

Specifications

- Clearly view each flash with patented skip circuitry for tachometers readings up to 9,900 RPM – adjust engine RPM
- View, set and adjust ignition advance and retard: 0°–90° – set base timing, overall advance and view ignition retard
- Measure and adjust ignition dwell: 0°–180°/1–12 cylinders – points ignitions
- Measure battery and charging voltage: 10–16V – with quick references LEDs
- Set ignition timing: works on DIS, conventional and most aftermarket ignition systems without solid core wires
- Measure engine RPM and Ignition advance: also measure dwell on older points type ignition systems
- Check battery voltage: provides a quick visual indication of the current state of the battery
- Measure and Display kV Readings – view individual cylinder firing voltage, perform snap throttle and coil stress tests
- Patented Pivoting Head – with xenon strobe and dual LED flashlight makes it easy to get into tight spots and see
- Large blue backlit graphic LCD screen – clearly view the displayed information
- Timing on both two and four cycle (DIS and conventional) engines, 1–12 cylinders – no adaptors required
- Replaceable heavy duty test leads
- Bright high intensity flash
- Nostalgic look with diamond plate chrome underside
- Comes with a hard case for storage and protection
- Full two-year warranty
- Patents #D377,622, #4,594,886 and #5,767,681 apply

EETL5568 Digital Timing Light (Blue-Point®)

- Multi function timing light works on all distributorless and conventional ignition systems
- Patented skip circuitry tests tachometer readings up to 9,900 RPM
- View, set and adjust ignition advance and retard: 0°–90°
- Measure and adjust ignition dwell: 0°–180°/ 2–12 cylinders
- Measure battery and charging voltage: 10–16V
- Dual display backlit screen allows clear viewing of tachometer and ignition advance reading
- Pivoting barrel allows easy access and a clear view to ignition timing marks
- One-hand operation with protective hand guard for comfort and safety
- Clearly view each flash at all RPM's with patented skip circuitry
- Serviceable 72" (6') heavy duty leads and metal inductive pickup
- Shock resistance rubber boots for added durability
- Bright high intensity flash
- Includes EETL5568-PB storage case

MT125A Self-Powered Timing Light *(Blue-Point)*

- Self powered timing light features a single 6' inductive pickup
- Quick attachment to spark plug wires on motorcycles, marine motors, snowmobiles, jet skis, small engines and other equipment that do not have easy access to a battery power source
- Can be used for automotive applications as well
- On/Off switch is located within thumb reach

TECHNICAL SUPPORT: 1-877-447-6276

COMPUTER



EECS5MEM



YA960



YA961



TLM12AO

Computer Memory Savers

EECS5MEM OBDII Memory Cord, 5'
- Use in conjunction with a jump starter to preserve vehicle codes and electronic presets while a vehicle's battery is disconnected
- Turns any jump starter with a 12V power port into a memory saver
- Interface connector between a jump starter and a vehicle's OBD-II port
- Prevents electronic memory loss when disconnecting a vehicle's battery
- LED confirms a proper connection has been made to OBD-II port
- Do not plug cables 12V DC into the vehicles 12V DC port

YA960 Computer Memory Saver
- Prevents memory loss on digital radios, clocks, door locks, and computers when disconnecting vehicle battery
- Plugs into cigarette lighter socket
- Uses a 9V battery to keep "memories" alive for up to four continuous hours
- Use YA961 on Chrysler® products

YA961 Computer Memory Saver
- Similar in function to YA960 except its power source is any 120V AC outlet

TLM12AO Computer Memory Saver
- Saves computer memory on clocks, radio settings and fuel injection systems
- Simply plug into 12V accessory, then attach battery clamps to spare battery



YAGM1

Service Light/Airbag Resetting Tools

YAGM1 Air Bag Release Tool
- Tool will quickly and easily release the retention springs for the removal of the SIR module on certain late model GM® vehicles

Applications: Cadillac®, Buick® Park Avenue, Pontiac® Grand Am®, minivans and trucks

ELECTRICAL



FZ4B



FZ7A



YA9811

Fuse Tools

FZ4B Fuse Tongs
- Delrin® tongs pull fuses up to 15/16" in diameter
- 1/8" hook on the handle pulls short fuses
- Tongs have high insulating qualities and are resistant to oil, water and heat up to 300 °F
- Hand stops prevent slipping

FZ7A Fuse Tongs
- Nylon tongs remove auto high tension wires and pull cartridge fuses from 15/16"–1" in diameter
- Hooks on handles and jaws
- Tongs have high insulating qualities and are resistant to oil, water and heat up to 300 °F
- Hand stops prevent slipping

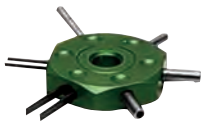
YA9811 Relay/Fuse Pliers
- Remove/install relays and fusible links
- Designed to reach into confined access areas
- Slip joint design to enable use for a variety of sizes
- Coated pliers tip securely grips corner of relay or fusible link
- Black industrial finish with red cushioned grip handles
- 8" in length



GMSTB25

Multifunction Switch Tools

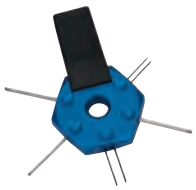
GMSTB25 Multifunction Switch Tool for *GM* vehicles
- Reduces the time it takes to replace the multifunction switch (turn signal/dimmer/windshield wiper switch) without removing the air bag, steering wheel and clock spring
- Includes a low-profile 1/4" magnetic bit wrench with a T25 Ball TORX® bit that allows better control and access in restricted areas
- Reversible ratcheting action
- Heat treated for strength and durability
- Chrome plated for great appearance and wear resistance



GA500A



YA500GM



YA500F



TT600



TT12KT

Terminal Tools

YA13120 Electrical Connector Separator
Disconnect electrical connectors without damage. Double ended to fit different access angles. Simply engage the tool tip behind the connector clip and push or pull to disconnect. Works on weather pack and other automotive electrical connectors.

GA500A Wire Terminal Tool
- Prongs depress the "barbs" on conventional terminals

YA500GM Wire Terminal Tool
- Designed for use for Pack-Con and Weather-Pack terminals on GM® C3 systems

YA500F Terminal Tool for Ford® Vehicles
- Use on *Ford* terminals

TT3KT Terminal Tool Set
- Comprehensive set covers the majority of today's popular terminals
- Includes: GA500A, YA500GM, YA500F and TT3-1 handle that slips over probes to protect technician's hands and provides extra leverage

TT600 Terminal Tool Kit
Includes six tools for removing terminals from harness blocks: pin vise, square probe, wedge probe, tube probe, flat probe and hook probe. Tools come in a vinyl pouch.

TT12KT C3/Wire Terminal Tool Kit for *GM* vehicles (Blue-Point®)
Applications include most *GM* and other US computer connectors and terminals. Individual handles for easy access in tight places. Designed for Weather Pack and Pack-Con terminals with flat blade to open connectors and fork for ALDL connectors to access trouble codes. Color coded: Red handle for *GM* and Green for wire terminal tools. Includes molded storage case.

Kit includes these *GM* C3 System terminal tools
TT1201 3.3 mm x 28 mm terminal tool
TT1202 1.4 mm x 28 mm square terminal tool
TT1203 1.5 mm x 24.75 mm flat terminal tool
TT1204 2.0 mm x 22 mm flat terminal tool
TT1205 8.0 mm x 24 mm fork terminal tool
TT1206 3/16" x 1.0" flat screwdriver
TT1207 3.3 mm x 28 mm tube terminal tool
TT1208 4.3 mm x 13 mm tube terminal tool
TT1209 3.75 mm x 13 mm tube terminal tool
TT1210 3 mm x 13 mm tube terminal
TT1211 3 mm flat 2-blade terminal tool
TT1212 1.6 mm flat 2-blade terminal tool
TT1213 blow molded case

Soft Grip Terminal Tools

Easily remove terminals from electrical connectors found on mid-1990s and later US and import vehicles. Terminal tools incorporate a stainless-steel design with ergonomic "soft grip" handles.

SGTT1A Soft Grip Terminal Tool
Use on PCM and transmission harnesses found on Chrysler®, Hyundai®, Kia® and Mitsubishi® vehicles. 4 13/16" long.

SGTT2A Soft Grip Terminal Tool
Provides robust narrow width blade with fulcrum for easier access to release tabs found on newer terminal blocks. General purpose release tool for US and import vehicles. 5 1/8" long.

SGTT3A Soft Grip Terminal Tool
Use on underhood sensors such as coolant temperature and throttle position sensors. For use on *Ford*, *GM* (including Cadillac®), *Chrysler*, *Mitsubishi* and *Hyundai* vehicles. 4 13/16" long.

SGTT4A Soft Grip Terminal Tool
Use for cutting open wire harnesses for easy access to troubleshooting and replacement applications. Easily slits harness sheathing without piercing the wires inside. 4 3/8" long.

SGTT5A Soft Grip Terminal Tool
Use on 55 pin ABS ECUs found on *Ford*, *GM*, Jaguar®, Jeep®, Volvo®, VW®, BMW®, *Hyundai*, *Kia* and Mercedes® vehicles. 4 13/16" long.

SGTT6A Soft Grip Terminal Tool
Use on 35 pin ABS ECUs found on Audi®, *BMW*, *Chrysler*, *Ford*, *GM*, Infiniti®, Isuzu®, *Jaguar*, Mazda®, *Mercedes*, *Mitsubishi*, Nissan®, Porsche®, Subaru®, Saab®, *Volvo* and *VW* vehicles. 4 13/16" long.

SGTT7 Soft Grip Terminal Tool
Applications: Powertrain Control Modules (PCM) on Acura®, *Audi*, *Chrysler*, *Ford*, *Hyundai*, *Jaguar*, *Kia*, *Mercedes*, *Mazda*, Toyota® and *Volkswagen* vehicles. 4 27/32" long.

SGTT8 Soft Grip Terminal Tool
Applications: Powertrain Control Modules (PCM) on *Acura*, *Audi*, Buick®, *Chrysler*, *Ford*, *GM*, *Honda*, *Jaguar*, *Mercedes*, *Mazda*, *Toyota* and *Volkswagen* vehicles. 4 27/32" long.



SGTT110

SGTT9 Soft Grip Terminal Tool
Applications: Powertrain Control Modules (PCM) on *Acura*, *Audi*, *Chrysler*, *Jaguar*, *Hyundai*, *Kia*, *Mercedes*, *Toyota* and *Volkswagen* vehicles. 4 27/32" long.

SGTT10 Soft Grip Terminal Tool
Applications: Open connector clips and sides of clips on *Acura*, *Audi*, *Chrysler*, *Honda*, *Mercedes* and *Volkswagen*. 4 27/32" long.

SGTT106A Soft Grip Terminal Tool Set
Includes SGTT1A–SGTT6A (6pc) in storage tray.

SGTT110 Soft Grip Terminal Tool Set
Includes SGTT1A–SGTT10 (10pc) in storage tray.

⚠WARNING

- Plastic coated handle does not protect against electric shock
- Read safety precautions on pages W1 to W4

FUEL & ENGINE SYSTEMS: COMPRESSION GAUGE SETS AND ADAPTORS



EEPV500



EEPV503



EEPV600

Compression Gauge Sets

- Intended for use on spark ignited gasoline engines that do not exceed 300 PSI compression
- Use hose-style EEPV5 series or steel shank EEPV6 series adaptors that thread into the spark plug hole and connect at the gauge hose's quick coupler
- Maintains highest compression test reading and resets to zero with a push button release valve
- Gauge displays individual cylinder pressure
- Test range: 0–300 PSI (0–2,000 kPa) in 10 PSI (50 kPa) increments
- Detect piston ring, intake/exhaust valve, head gasket or other engine issues

CE: DE, ES, FR, IT, GB, NL

EEPV500 Compression Gauge Set

- Test cars and trucks with hard-to-access spark plug ports
- Gauge assembly includes 2 3/4" diameter gauge and 27" flexible hose with quick coupler
- Includes EEPV5G12L, EEPV5G14L and EEPV5G14S

EEPV503 Motorcycle Compression Gauge Set

- Test motorcycles and recreational vehicles with hard-to-access spark plug ports
- Gauge assembly includes 2 3/4" diameter gauge and 18" flexible hose with quick coupler
- Includes EEPV5G10L, EEPV5G12L and EEPV5G14L

EEPV600 Compression Gauge Set

- Simplifies compression testing on engines with deep spark plug wells
- Knurled end allows hand tightening to aid against over-torqueing or cross-threading
- Gauge can be connected to the included hose assembly for extra reach
- Heat-treated and chrome-plated for longer life
- 300 PSI (2100 kPa) superior accuracy gauge with pressure release button
- Detect piston ring, intake/exhaust valve, head gasket or other engine issues
- Includes: EEPV6G12L and EEPV6G14L



MT27D

Cone-Type Compression Gauge

MT27D Cone-Type Compression Gauge

- Range from 0–300 PSI, 0–2,100 kPa
- Cone seal is held firmly over plug hole, unit does not thread in
- Ideal for small gasoline engines, motorcycles, ATVs and snowmobiles

FUEL & ENGINE SYSTEMS: COMPRESSION GAUGE SETS AND ADAPTORS


EEPV5G10L


EEPV5G14L


EEPV5G18S


EEPV5G10S


EEPV5G14S


EEPV5G16T


EEPV5G12L


EEPV5G12T


EEPV6G3PK

Compression Gauge Adaptors

- 10 1/4" overall length unless otherwise noted
- Standard reach applies to flat and tapered spark plug hole seats; long reach applies to servicing motorcycle engines

EEPV5G10L Compression Gauge Adaptor
- Long reach (M10 x 1.0 pitch)
- Thread length .70"

EEPV5G14L Compression Gauge Adaptor
- Long reach (M14 x 1.25 pitch)
- Thread length .73"

EEPV5G18S Compression Gauge Adaptor
- Standard reach (M18 x 1.5 pitch)
- Thread length .44"

EEPV5G10S Compression Gauge Adaptor
- Standard reach (M10 x 1.0 pitch)
- Thread length .43"

EEPV5G14S Compression Gauge Adaptor
- Standard reach (M14 x 1.25 pitch)
- Thread length .36"

EEPV5G16T Compression Gauge Adaptor
- Long reach (M16 x 1.5 pitch) for Ford® 5.4 L Triton® engines
- 18" length

EEPV5G12L Compression Gauge Adaptor
- Long reach (M12 x 1.25 pitch)
- Thread length .68"

EEPV5G12T Compression Gauge Adaptor
- Main application 2nd generation *Ford Triton* engines 2008 and later
- Tests cylinder compression up to 300 PSI
- Additional applications include: Mercedes® (most V6 and some V8 models newer than 2006), Nissan® (2.0 L 2007 and later) plus Toyota® Scion® (1.8 L 2008 and later) vehicles
- 18" length
- Thread length .71 inch

EEPV6G12L Long Reach Chrome Adaptor
- M12 x 1.25

EEPV6G14L Long Reach Chrome Adapter
- M14 x 1.25

EEPV6G14S Standard Reach Chrome Adapter
- M14 x 1.25

EEPV6G3PK Adaptor Set
- Set includes EEPV6G12L, EEPV6G14L and EEPV6G14S (3pcs)

DIESEL COMPRESSION

EEPD500 Diesel Compression Gauge
- Dial reads from 9–800 PSI and from 0–5,500 kPa
- Gauge includes 18" hose with release valve

TECHNICAL SUPPORT 855-779-8880


EEPD500

⚠WARNING

- Do not expose gasoline or fuel to flames, sparks or other sources of ignition
- Use only in well ventilated area
- Read safety precautions on pages W1 to W4

FUEL & ENGINE SYSTEMS: DIESEL COMPRESSION


EEPV313C


M3540C


M3543C


M3542C


M3571C


M3572C


M3574


M3584


M3585

Compression Adaptors – Injector Style

EEPV313C Diesel Compression Gauge Adaptor
- For 1998–2007 Dodge® 24 valve 5.9 L Cummins® plus 5.9 L and *Cummins* ISB and ISBE diesel engines plus the 2007 newer 6.7 L

M3540C Compression Adaptor
- For *Cummins* 855 cu in NH and 903 V8 and L10 diesel engines

M3543C Diesel Compression Gauge Adaptor
- For Detroit® 53, 71, 92 and 8.2 L diesels

M3542C Diesel Compression Gauge Adaptor
- For Volkswagen®, Mercedes-Benz®, Volvo® and Audi® 5000 diesel engines M24 x 2.0

M3571C Diesel Compression Gauge Adaptor
- For 21 mm injectors and Bosch® type injectors on the following diesel engines: Allis® Chalmers® 433, 649, and 670, *Allis*/Fiat® 3 cylinder, John Deere® 404, 466, 531 and 619, Navistar® 361 and 407, Perkins® 4.203, 4.236, 4.248, 6.354, and 8.540, Wisconsin Engine® 340, 350, 430, 660, 670, 750, 860 and 1000, White Engine® D2000, D2300, D3000, D3400, and D4800, Mack® 673, 674, 675, 864, 865 and 866, Waukesha® diesel engines, Ford® Tractor diesel engines, Scania® DN11 and DS11

M3572C Diesel Compression Gauge Adaptor
- For pencil type injectors on the following: Caterpillar® 3208 and 1100 Series, Case® 70 Series, 188 and 207, *John Deere* early 300, 400 and 500 Series, 276, 404 and 531 diesel engines

M3574 Diesel Compression Gauge Adaptor
- For 17 mm injectors on *Navistar* DT466 and 9L, 312, 360, 414, 436 and 446 diesel engines

M3584 Compression Adaptor
- For *Case*/*Cummins* series "B" 2.9 L, 3.9 L and 5.9 L diesel engines

M3585 Compression Adaptor
- For *Case/Cummins* series "C" 8.3 L engines


EEPV312D


EEPV314C


EEPV317C


M3545B


M3569A


M3570A


M3564C

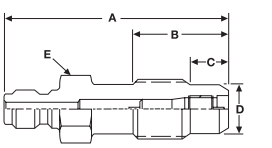

M3565C


M3566C


M3576C

Compression Adaptors – Glow Plug Style

- All "M" series glow plug style adaptors plus the EEPV312A adaptor require the use of either the M3569 or M3570 quick coupler
- EEPV314A, EEPV315A and EEPV317A couple directly to the EEPD500



Glow Plug Style

EEPV312D Glow Plug Compression Adaptor
- For Duramax® and Isuzu® diesel engines up to the 2005 model year only

EEPV314C Glow Plug Compression Adaptor
- For *Ford*/*Navistar* 7.3 L Power Stroke® diesel engines

EEPV317C Glow Plug Compression Adaptor
- For *Ford Power Stroke* 6.0 L and *Navistar*/International® 6.0 L VT365E engines with 14M x 1.25 glow plug size

EEPV318 Glow Plug Compression Adaptor
- For *Power Stroke* engines with M8 x 1.0 glow plug size

M3545B Glow Plug Compression Adaptor
- For GM® 4.3 L and 5.7 L plus *Navistar* 6.9 L and 7.3 L diesel engines
- Replacement valve core is M3545A4
- Must be used in conjunctioth MT33C Compression Gauge and M3569 or M3570 Quick Couplers

M3569A Quick Coupler
45° offset

M3570A Quick Coupler
90° offset

M3564C Glow Plug Compression Adaptor
- For *GM* 6.2 L and 6.5 L diesel engines

M3565C Glow Plug Compression Adaptor
- For *Isuzu* 1.8 L and 2.2 L diesel engines and Toyota® 1.8 L diesel engine

M3566C Glow Plug Compression Adaptor
- For *Toyota* and Nissan® 2.2 L diesel engines, plus Mitsubishi® 2 and 3 cylinder engines

M3576C Glow Plug Compression Adaptor
- For BMW® 2.4 L engines used in 1984 and 1985 Lincoln®, Mark VII and Continental models; Peugot® 1978–1984, 2.0 L and 2.3 L engines; VW®, Audi®, and *Volvo* 1.5 L, 1.6 L, 2.0 L and 2.6 L engines

Adaptors

Stock No.	Thread	A inch (mm)	B inch (mm)	C inch (mm)	D inch (mm)	E (Hex)
EEPV312D	M10 x 1.25	4.12 (104.65)	3.00 (76.20)	2.50 (63.50)	.320 (8.13)	12 mm
EEPV314C	M10 x 1.0	3.33 (84.58)	2.78 (70.61)	2.31 (58.67)	.315 (8.00)	10 mm
EEPV317C	M14 x 1.25	1.2"	.625"	0.25"	.318"	5/8"
EEPV318	M8 x 1.00	1.3"	0.744"	310"	.212"	7/16"
7M3545B	M10 x 1.0	1.78 (45.20)	1.06 (26.92)	.38 (9.65)	.385 (9.77)	3/8"
M3564C	M10 x 1.0	2.46 (62.48)	.79 (20.00)	.25 (6.35)	.325 (8.25)	3/8"
M3565C	M10 x 1.0	2.50 (63.50)	1.61 (26.92)	.866 (21.99)	.320 (8.13)	12 mm
M3566C	M10 x 1.25	1.96 (49.78)	1.27 (32.26)	.39 (9.14)	.315 (8.00)	12 mm
M3576C	M12 x 1.25	1.77 (44.95)	1.08 (27.43)	.300 (7.62)	.305 (7.75)	12 mm



EEPV509

EEPV509 Cylinder Leakage Tester

- Use on all US and import engines
- Input pressure gauge displays input air pressure for proper cylinder leakage test setup and accurate results
- Pressure gauge range is 0–100 PSI (0–700 kPa) in 2 PSI (20 kPa) increments
- Cylinder leakage gauge displays leakage as a percentage of input pressure with three distinctive zones of high, moderate and low



EEPV511

EEPV511 Vacuum Pressure Gauge Set

- Use for almost all basic vacuum pressure testing needs in the shop
- Perform engine vacuum tests on gasoline engines as well as exhaust back pressure tests on applications with an oxygen sensor
- Test vacuum accessories and emission control devices such as EGR valves canister purge systems, air switching and divert valves, vacuum delay and check valves, heater and A/C controls and cruise control systems
- Multicolor gauge face with scales of inch, Hg, PSI, negative kPa and positive kPa



EEPV508



EEPV507

Stock No.	Description	Set Contains: EEPV508	EEPV507
EEPV5F-1	2" Pipe Nipple	•	•
EEPV5F-2	1/4" M x 1/8" F Hex Bushing	•	•
EEPV5F-3	3/8" M x 1/8" F Hex Bushing	•	•
EEPV5F-4	1/8" FNPT Coupling	•	•
EEPV5F-5	1/8" M x 1/8" F Street Elbow	•	•
EEPV5F-6	1/8-28 BSPT	•	•
EEPV5F-7	M10 x 1.0 Tapered Thread	•	•
EEPV5F-8	M10 x 1.0 Adaptor	•	•
EEPV5F-9	M10 x 1.25 Adaptor	•	•
EEPV5F-10	M12 x 1.5 Adaptor	•	•
EEPV5F-11	M12 x 1.75 Adaptor	•	•
EEPV5F-12	M14 x 1.5 Adaptor	•	•
EEPV5F-13	M16 x 1.5 Adaptor	•	•
EEPV5F-14	M18 x 1.5 Adaptor	•	•
EEPV5F-15	5/16"-24 Adaptor	•	•
EEPV5F-16	7/16"-20 Adaptor	•	•
EEPV5F-17	1/16"-27 Adaptor	•	
EEPV5F-18	M8 x 1.0 Tapered Thread	•	
EEPV5F-19	M8 x 1.0 Adaptor	•	
EEPV5F-20	M8 x 1.25 Adaptor	•	
EEPV5F-0	Male Quick Connect Plug	•	•
EEPV5-100G	Pressure Gauge and Boot Assembly (100 PSI)	•	•
EEPV5-BOOT1	Gauge Boot	•	•
EEPV5-500G	Gauge and Boot (500 PSI)	•	
EEPV5-BOOT2	Gauge Boot (500 PSI)		

EEPV508 Automatic Transmission Pressure Gauge Set

- Use on all major manufacturer US and import vehicles
- Includes: two gauge assemblies for high and low pressure ranges, nine adaptors to test a wide variety of US and import automatic transmissions, comprehensive instruction manual with applications table and storage case
- Four special fittings are also included for connection to hard-to-reach test ports in areas requiring a 45° or 90° angle
- High pressure gauge assembly includes 3.5" diameter gauge and 10' flexible hose with fluid coupler
- Low pressure gauge assembly includes 2.5" diameter gauge and 6' flexible hose with fluid coupler

EEPV507 Oil Pressure Gauge Set

- Use on diesel and gasoline engines
- Includes standard and metric adaptors for most US and import cars, trucks, tractors and stationary engines
- Includes: 0–100 PSI (0–700 kPa) gauge assembly

⚠WARNING

- Do not expose gasoline or fuel to flames, sparks or other sources of ignition
- Use only in well ventilated area
- Read safety precautions on pages W1 to W4

FUEL & ENGINE SYSTEMS: VACUUM PUMPS & TESTERS



YA4000B

YA4000B Automotive Test Kit

- Produces vacuum or pressure at the turn of a switch
- Comfortable ergonomic design
- One-finger trigger vacuum/pressure release
- Durable, accurate diaphragm type pressure/vacuum gauge
- Handheld vacuum/pressure pump with 2" compound gauge and rubber boot
- 12 oz fluid reservoir bottle with fluid transfer and storage lids plus fluid pickup tube
- Six tapered adaptors for connecting to tubing from .09"–.50" ID
- Two tapered manifold plugs
- Two universal bleed screw adaptors
- 12 vacuum cap plugs, vacuum line T-adaptor
- Two 1/4" ID x 24" long connection tubes with quick change connector
- 5/32" ID x 1/4" ID tubing adaptor
- 5/32" ID x 3" long vacuum test tube
- Rubber cupped adaptor
- Master cylinder refill kit

Applications:
Vacuum and pressure related engine performance diagnostics and tune-ups; brake bleeding; fluid transfer, evacuation and sampling.

FUEL INJECTION



EEFI500



EEFI500CORE



EEFI50030

EEFI500 Series Adaptor Sets

Stock No.	Includes:	EEFI500	EEFI500CORE	EEFI500ADD
EEFI5001	Gauge and hose assembly with bleed-off valve	•	•	
EEFI5002	Standard schrader hose assembly (Chrysler®, GM®, M-B®, Porsche®, Saab® and Saturn® vehicles)	•	•	
EEFI5003	Small schrader hose assembly (BMW®, Ford®, Jaguar®, Kia®, Lincoln®, Mazda®, Mercury®, Mini®, Volvo® and VW® vehicles)	•	•	
EEFI5004	Standard schrader right angle adaptor (*Chrysler, GM, M-B, Porsche, Saab* and *Saturn*)	•	•	
EEFI5005	Small schrader right angle adaptor (*BMW, Ford, Jaguar, Kia, Lincoln, Mazda, Mercury, Mini, VW* and *Volvo* vehicles)	•	•	
EEFI5006	Tee adaptor with 1/4", 5/16" and 3/8" diameter hoses and clamps (*Chrysler,* Infiniti®, Isuzu®, *Mazda,* Nissan®, Subaru® and Suzuki® vehicles)	•	•	
EEFI5006-1	Replacement hoses and clamps	•	•	
EEFI5007	Spare parts service kit for EEFI5001–EEFI5006	•	•	
EEFI5008	Tee Hose Assembly – 3/8" Quick Connect	•		•
EEFI5009	3/8" Quick Connect Double Male – *GM* vehicles	•		•
EEFI50010	5/8" Spring Lock Male – *Ford, Mazda* vehicles	•		•
EEFI50011	5/8" Spring Lock Female – *Ford, Mazda* vehicles	•		•
EEFI50012	5/16" Quick Connect Male – *Acura, Chrysler, Ford, Mazda,* Toyota® vehicles	•		•
EEFI50013	5/16" Quick Connect Female – *Acura, Chrysler, Ford, Mazda, Toyota* vehicles	•		•
EEFI50014	5/16" Male Hose Adaptor – *BMW, Chrysler, Infiniti, Nissan, VW* vehicles	•		•
EEFI50015	5/16" Hose Adaptor – *BMW, Chrysler, Infiniti, Nissan, VW* vehicles	•		•
EEFI50016	M14 x 1.5 Inverted Flare Male – *Geo, Infiniti, Toyota* vehicles	•		•
EEFI50017	M14 x 1.5 Inverted Flare Female – *Geo, Infiniti, Toyota* vehicles	•		•
EEFI50018	M14 x 1.5 Ball Seat Female – Audi®, Hyundai®, *Jaguar,* Land Rover®, *Porsche, Volvo, VW* vehicles	•		•
EEFI50019	M14 x 1.5 Ball Seat Male – *Audi, Hyundai, Jaguar, Land Rover, Porsche, Volvo, VW* vehicles	•		•
EEFI50020	16 mm O-Ring Adaptor – *Hyundai, Mitsubishi* vehicles	•		•
EEFI50021	11 mm O-Ring Adaptor – *Infiniti, Kia, Mitsubishi, Nissan* vehicles	•		•
EEFI50022	M12 x 1.0 Pulse Dampener Adaptor – *Acura, Honda* vehicles	•		•
EEFI50023	M12 x 1.5 Banjo Bolt Adaptor – *Audi, Porsche, Saab* vehicles	•		•
EEFI50024	M12 x 1.25 Banjo Bolt Adaptor – *Honda, Hyundai, Isuzu, Lexus, Toyota* vehicles	•		•
EEFI50025	M6 x 1.0 Filter Adaptor – *Acura, Honda* vehicles	•		•
EEFI50026	Spare part service kit for 5009–50025 adaptors	•		•

EEFI500 Master Fuel Injection Pressure Gauge Set

- Tests fuel injection pressure on major US, European and Asian model multiport fuel systems
- Convenient label shows image of components, part numbers and applications for quick and easy identification and storage
- Fully detailed user manual includes test connection illustrations and application charts
- Set contains tee manifold with shutoff valve, 3 1/2" diameter gauge assembly with a blow down valve and the adaptors needed to test most fuel injection systems
- Blow molded case with special removable lid allows for convenient storage in 4" deep drawer and easy access to components
- Pressure gauge rating of 0–100 PSI

EEFI500CORE Core Fuel Injection Pressure Gauge Set

- For basic fuel injection pressure service needs
- Individual components or the EEFI500ADD set can be purchased to build up to master set

EEFI50030 Universal Fuel Pressure Adaptor

- Allows owners of MT337, EEFI301 and EEFI307 series fuel pressure gauges to increase applications by using components from the EEFI500 master fuel injection pressure set



EEDF500



EEDF501



EEDF502

Fuel Pressure Testers

EEDF500 Fuel Pressure Test Set
- Designed for testing diesel fuel pressure and vacuum on GM® 6.6 L Duramax® engines
- Gauge assembly includes a compound gauge with a 0–15 PSI (0–100 kPa) pressure plus 0–30 in Hg vacuum scale and a protective rubber boot
- Long 6' flexible hose with quick coupler for fast and easy connection to the engine
- Convenient protective storage and carrying in a slide lid case that fits easily into a 4" drawer

EEDF501 Fuel Pressure Test Set
- Designed for diesel fuel pressure and restriction testing on engines with Compucheck test ports
- 3 1/2" compound gauge has a 0–15 PSI (0–100 kPa) pressure and 0–30 inHg vacuum scale
- 2 1/2" pressure gauge has a 0–300 PSI (0–2,000 kPa) scale in 10 PSI (50 kPa) increments
- Includes female Compucheck quick coupler with 6' hose, pressure bleed off, and quick connect for easy interchange of the two gauges
- Includes separate male Compucheck test port for installation in vehicles without Compucheck test ports
- Convenient protective storage and carrying in a slide lid case that fits easily into a 4" drawer

EEDF502 Fuel Pressure Test Set
- Developed with input from technicians on adaptor selection for 7.3 L, 6.7 L, 6.4 L and 6.0 L Ford® Power Stroke® engines
- 0–100 PSI gauge and hose assembly
- Low-pressure diesel-fuel delivery testing (lift pump)
- Correct fuel delivery and dynamic fuel pressure are crucial to having a properly running engine
- Helps prevent a lean condition that may cause burning of injectors or scorched cylinders
- Convenient protective slide-lid case that will fit in a 4" drawer for easy tool access

General Purpose Fuel System Cleaners

EEFI5CLEANER Fuel Injection System Cleaner
- Cleans deposits from fuel injectors, fuel rail and intake valves to restore engine performance, lower emissions and smooth idle
- Canister style cleaner accepts preferred or required fuel injection system cleaner (sold separately)
- Check vehicle fuel pressure with right-hand gauge and easily set cleaning pressure with the left-hand gauge
- Stainless-steel braided Teflon® hose resists solvents
- Conveniently hangs under hood with center chain
- Compatible with EEFI500 series adapters (sold separately)
- See user manual for vehicle make details



EEFI5CLEANER

TECHNICAL SUPPORT 1-885-779-8880
This phone number does not apply to the YA4000B shown on page 542.

⚠WARNING

- Do not expose gasoline or fuel to flames or other sources of ignition
- Use only in well ventilated area
- Read safety precautions on pages W1 to W4

FUEL & ENGINE SYSTEMS: FUEL INJECTION



FIH500



YA76462



IPK1180



A227

Specialty Service Tools

FIH500 Fuel Module Disconnect Tool
- GM® fuel module disconnect tool for 1998 and later *GM* full-size pickups, Suburban® and Tahoe® vehicles
- Two-piece design permits easy access to the connectors
- Fits both 3/8" and 5/16" connector sizes
- Tool segments can be clipped together for convenient storage

YA76462 Universal EFI Quick Probe (Blue-Point®)
- Quickly detects electronic fuel injector functions on any gas or diesel engine
- Specifically designed to detect vibrations emitted when electronic injector fires
- No hunting for injector wires to test at connector
- No need to remove injector for testing
- Includes: bright LED strobe, 7" removable probe tip, user guide, battery operation and sensitivity thumb wheel

IPK1180 Fuel Injector Puller
- Developed to allow easy removal of injectors on all BMW® vehicles with direct injection
- Compact size allows for easy attachment and removal of the hard-to-reach injectors of the twin turbo V8 (N63) engine, reducing service time
- Easy to install on inline 6 and V8 (N63) engines, simply screw the tool on to the top of the injector, then with one or two taps with the slider, the injector will come out easily

A227 Fuel Pressure Sensor Socket, 27 mm
- For removing and installing fuel pressure sensors from fuel injection fuel rails under the intake
- Manufactured from special alloy steel, precision forged and heat treated for optimum strength and durability
- Snap-on® sockets using the Flank Drive® wrenching system grip fasteners on the flanks/flats increasing torque by 15%–20%; prevents fastener from rounding and increases the life of the socket
- Socket has an enlarged bolt clearance to fit over the sensor connector where a regular 27 mm socket will not work
- Overall length of socket is 2"



YA997



FLR630



FIH940

Fuel Inlet and Fuel Filter Tool

YA997 Swivel Handle Fuel Filter Wrench
- Designed to access hard-to-reach fuel filters
- Fits fuel filters 2 1/4"–2 9/16"

FLR630 Fuel-Tank Lock-Ring Tool
- Remove/install plastic fuel tank lock rings without damage
- Channel design on body allows legs to adjust from 4"–7 1/2" while keeping drive centered
- Compact design prevents the tool from hanging over the work area and hitting other parts
- For newer, smaller *GM* vehicles and vehicles with traditional size rings

Fuel Pump Tools

FIH940 Gas Tank Fuel Pump Removal Tool
- Removes plastic fuel pump retaining rings
- Universal adjustable design fits most plastic retaining rings
- Prevents damage to original pump retaining ring
- Use with 1/2" drive extension and ratchet
- Use to reinstall old retaining ring



FID8838A

Injector Harness Testers

FID8838A Injector Harness Tester Set
- Plugs into solenoid harness to identify electrical or fuel system malfunctions
- Includes eight testers and injector harness extension in a storage case

FID8320 Injector Harness Tester
- Use on GM® TBI models 100, 200, 220, 300, 400 and 500 used on various cars and trucks

FID8329 Injector Harness Tester
- Use on Bosch® PFI injectors used on various *GM*, Ford® and Chrysler® vehicles with PFI

FID8339 Injector Harness Tester
- Use on *GM M*ultec® 1 injectors and the "bottom feed" injectors used on 2.2 L 4 cyl. "J" and "L" cars from 1989–1993

FID8340 Injector Harness Tester
- Use on *GM* SCPI truck engines 4.3 L V6, 5.0 L V8, and 5.7 L V8 (1996 and later) plus 4.8 L V8, 5.3 L V8, and 6.0 L V8 (1999 and later)

FID9210 Injector Harness Tester
- Designed for Geo® TBI systems (1992 and later)

FID8838A1
- Use on *GM Multec* 2 injectors found in 1999 and later 2.4 L 4 cylinder engines in Oldsmobile® Intrigue and Cutlass, Chevrolet® Cavalier and Malibu® and Pontiac® Sunfire® vehicles

FID8838A2 Injector Harness Tester
- Use on *Bosch* 2 injectors used in 2000 and later Cadillac® 4.6 L V8 engines and *Oldsmobile* 4.0 L V8 engines

FID8838A3 Injector Harness Extension
- Injector harness extension line for all FID series injector harness testers
- Use when injector is in a lower position in manifold or cylinder head

FID8838A4 Plastic Case
- Storage case for the FID8838A injector harness tester set



YA965A



YA2850A



HCP6A



HCP7A



HCP10A



SHP2KT

YA965A Hose Pinching Pliers
- Eliminates need to drain cooling system when repairing thermostat or water pump
- Use to pinch off emission control hoses, flexible brake lines and rubber hose fuel lines
- Jaws swivel for positive clamping

YA2850A Hose Pinchers
- For diagnosing problems that require rubber or plastic fuel, vacuum and air lines to be temporarily closed
- Effectively seals lines without disconnecting
- Set of two

HCP6A Hose Pinching Pliers
- For sealing hose sizes 1/8"–5/16"
- For use on brake lines, fuel lines and vacuum hoses
- 6" long

HCP7A Hose Pinching Pliers
- For sealing hose sizes 1/2"–3/4"
- For use on heater hoses and vacuum lines
- 7" long

HCP10A Hose Pinching Pliers
- For sealing hose sizes 3/4"–2 1/4"
- For use on radiator hoses
- 10" long

HCP3KT Hose Pinching Pliers Set
- HCP6A, HCP7A and HCP10A (6", 7", 10") in storage pouch

SHP7 Hose Pinching Pliers
- Use to pinch off flexible lines to prevent spills when disconnected
- Spring loaded handle and lock for easy one-hand application and release
- Manufactured from strong, lightweight fiber reinforced synthetic polymer with extreme chemical resistance
- Use for small lines – 1/8" (3 mm)–3/4" (19 mm)

SHP10 Hose Pinching Pliers
- Use to pinch off flexible lines to prevent spills when disconnected
- Spring loaded handle and lock for easy one-hand application and release
- Manufactured from strong, lightweight fiber reinforced synthetic polymer with extreme chemical resistance
- Use for large lines – 3/4" (19 mm)–2 1/4" (57 mm)

SHP2KT Hose Pinching Pliers Set
- Use to pinch off flexible lines to prevent spills when disconnected
- Spring loaded handle and lock for easy one-hand application and release
- Manufactured from strong, lightweight fiber reinforced synthetic polymer with extreme chemical resistance
- Use SHP7 for small lines – 1/8" (3 mm)–3/4" (19 mm)
- Use SHP10 for large lines – 3/4" (19 mm)–2 1/4" (57 mm)

WARNING • Read safety precautions on pages W1 to W4

FUEL & ENGINE SYSTEMS: FUEL SYSTEMS



FIH9055



FIH9056



LDTF2



LDT8



LDT6



LDT14



ACT1370



LDT3730

Fuel Line Disconnect Tools

Fuel Line Coupling Release Tool Sets
- Designed to service special quick connect couplings found on fuel feed and return lines located at the engine

FIH9055 Fuel Line Coupling Release Tool Set
Includes a FIH9055-1 (5/16") and a FIH9055-2 (3/8") tool for GM® fuel lines.

FIH9056 Fuel Line Coupling Release Tool Set
Includes FIH9056-1 (1/2") and FIH9056-2 (5/8") for fuel and air conditioning quick connect couplers on most late model Ford® and Mazda® Navajo vehicles.

LDTF2 Fuel Line Disconnect Tool
- Disconnect the fuel line from the fuel filter on 5.3 L Suburban®, Tahoe®, Yukon®, Avalanche® plus select Silverado® and Sierra vehicles
- Can be used on other Flex Fuel systems

LDT8 Master Disconnect Set
- For spring lock and quick disconnect couplings used on air conditioning and fuel lines on *Ford*, *GM* and Chrysler® vehicles

LDT6 Disconnect Set
- Disconnects air conditioning, quick connect fuel lines and spring lock couplings on *Ford* and *Chrysler* AC lines
- Works on fuel lines and other quick disconnect couplings on US and import vehicles
- Angled to access tight spots
- Durable plastic resists fuels and solvents
- Includes six sizes from 1/2"–7/8"

LDT14 Master Plus Disconnect Set
- Contains all the tools in the LDT8 master disconnect set
- 3/8"–1/2" Jiffy-Tite® disconnect tools from the LDTSP4 set
- Blue 5/16" fuel line adaptor from the LDTF2 fuel line disconnect set
- Set of four air line push pull disconnect tools that work on heavy duty trucks and industrial applications

ACT1370 Disconnect Set (Blue-Point®)
- Useful on air conditioning spring couplings as well as push-lock connectors on radiator and transmission lines
- Includes six tools for disconnecting spring couplings on *Ford*, *GM* and *Chrysler* air conditioning lines
- Works on fuel lines and can be used as push-lock connectors on radiator and transmission lines
- Included sizes are 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8"

LDT3730 Fuel and A/C Line Disconnect Pliers, 3/8"
- Unique design provides extra leverage when disconnecting quick-connect couplings on A/C and fuel lines
- Works in conjunction with 5/16", 3/8" or 1/2" adaptors from the ACT1370 or LDT6 disconnect sets
- Pliers' forks have different sized openings so the tool can be turned around to fit single- or two-step collar designed connector lines
- Can also be used to reconnect stubborn lines or connections that are in hard-to-reach areas

Steel Line Stoppers

LCSS600 Line Clamp and Stopper Set (6pc)
- Pliers used to pinch off flexible lines to prevent spills when disconnected
- Spring loaded handle and lock for easy one-hand application and release
- Two sizes to cover all hoses: Small 1/8"–3/4" and Large 3/4"–2 1/4"
- Stoppers used to seal steel lines once disconnected
- Spring loaded for quick install and removal
- Four sizes to suit 5/16", 3/8" and 1/2" pipe and banjo fittings
- Manufactured from strong lightweight fiber, reinforced with synthetic polymer offering extreme chemical resistance
- Manufactured from strong, lightweight fiber reinforced synthetic polymer with extreme chemical resistance
- Use for small lines – 1/8" (3 mm)–3/4" (19 mm)

SHP7 Pliers, Hose Pinching, 7"
SHP10 Pliers, Hose Pinching, 10"
SLS516SO Steel Line Stopper, 5/16"
SLS38SO Steel Line Stopper, 3/8"
SLS12SO Steel Line Stopper, 1/2"
SLSBANJOSO Steel Line Stopper, Banjo
LCSS600PB Blow Molded Case


LCSS600


SHP7


SHP10


SLS516SO


SLS38SO


SLS12SO


SLSBANJOSO

Disconnect Tools for Low-Profile Jiffy-Tite® Fittings

LDTJT5 Low-Profile *Jiffy-Tite* Disc Set
- Disengages the line from *Jiffy-Tite* quick connect fittings without removal of the clip
- Teeth of the tool fit perfectly into tight tolerance of the connectors
- When rotated, it allows the line to be pulled without damage to the connector or retaining clip so they can be reused
- Includes new 3/4" size, making this the most comprehensive kit on the market

LDTJT538 Low-Profile *Jiffy-Tite* Disc, 3/8"
LDTJT512 Low-Profile *Jiffy-Tite* Disc, 1/2"
LDTJT55830 Low-Profile *Jiffy-Tite* Disc, 3/8"-30°
LDTJT55839 Low-Profile *Jiffy-Tite* Disc, 3/8"-39°
LDTJT534 Low-Profile *Jiffy-Tite* Disc, 3/4"
LDTJT5PB Storage Case
Storage case for LDTJT5 Low-Profile *Jiffy-Tite* Disc set.


LDTJT5

OXYGEN AND FUEL SENSOR TOOLS

Fuel Sensor Wrench

GANM27 Fuel Sensor Wrench
- Use to remove the high pressure fuel sensor on the 3.6 FSI engine found on the VW® Touareg® and CC models plus Audi® Q7
- 12-point crowfoot socket engages every 30° for better access in restricted areas
- Special alloy steel provides the highest match of strength and durability
- 3/8" drive, 27 mm


GANM27

⚠WARNING
- Plastic coated handle does not protect against electric shock
- Read safety precautions on pages W1 to W4

FUEL & ENGINE SYSTEMS: OXYGEN AND FUEL SENSOR TOOLS


S6176


S6150


S6154


SWR1


SWR2


SWR4


SWR102


YA1239


YA9385


YA9375A


YA6675


YA6775

Oxygen Sensor

S6176 Oxygen Sensor Socket
- For service on most Nissan®, Mazda®, Honda® and Acura® vehicles
- Slotted side clears projections
- 22 mm 1/2" drive, 3 7/8" long

S6150 Oxygen Sensor Wrench
- Special crowfoot wrench design provides strength necessary for removal/installation
- 12-point, 7/8" wrench size, 1/2" drive
- Nickel-chrome finish

S6154 Oxygen Sensor Wrench
- For use on oxygen sensors on 2007 *Acura* RDX. 22 mm
- 12-point wrench opening, 1/2" drive
- Nickel-chrome finish

SWR1 Oxygen Sensor Wrench
- Designed for all oxygen sensors with a 7/8" hex
- Flex head offers essential clearance for removal/installation of oxygen sensors when sensor is positioned upward and inward to the floorboard or when leverage is needed around an exhaust pipe
- Ford® Contours® and 4.6 L and 5.4 L *Ford* Modular engines used in trucks and SUVs have this application
- Other applications include 7/8" and 22 mm knock sensors used on midsize trucks, SUVs and vans
- Flank Drive® wrenching system for greater applied torque
- Chrome finish for easy cleanup and protection against corrosion
- Compact, low-clearance head
- Overall length: 10 3/4". Hex: 7/8" 6-point. Head diameter: 1 9/16". Slot width: 1 5/16"

SWR2 Oxygen Sensor Socket
- For oxygen sensors located in the exhaust manifolds of 1981 and later cars and light trucks, including VW®
- 3/8" drive with 7/8" hex size
- 1/2" opening for easy access to oxygen sensor
- Ball detent in square drive for secure retention
- Industrial finish

SWR4 Oxygen Sensor Wrench
- Use on oxygen sensors with a 22 mm (7/8") hex
- Bent handle design with flex head offers extra clearance for removal and installation of shielded oxygen sensors and air/fuel sensors
- Chrome finish for easy cleanup and protection against corrosion
- Depth of socket and wall diameter of socket is critical for limited space inside heat shield
- Overall length: 10 3/4". Hex: 7/8" 6 point. Head diameter: 1 3/16". Slot width: 1/2"

Applications
- Toyota®: 2003 and later
- *Acura:* 2005 and later
- Lexus®, *Honda*, Hyundai® and Kia®: 2006 and later
- *Nissan*, *Mazda*: 2007 and later

SWR102 Oxygen Sensor Wrench Set
- SWR1 and SWR2 (2pc) in storage tray

YA1239 Dual Drive Oxygen Sensor Wrench (Blue-Point®)
- 1/2" and 3/8" drive
- Attach 1/2" breaker bar on the end of the tool to initially loosen stuck sensors, use a 3/8" ratchet on the top for fast removal and installation
- Fits oxygen sensor applications with a heat shield
- Slotted body allows clearance for wire harness
- Forged, heat-treated steel with 6-point design will withstand high torque removal applications

YA9385 Oxygen Sensor Socket *(Blue-Point)*
- Use to install and remove oxygen and vacuum sensors on most US and import vehicles
- Can be used with impact wrench
- 1 1/4" external hex. 19/32" x 2 3/4" slot to clear obstructions, 22 mm, 1/2" drive
- Black industrial finish

YA9375A Oxygen Sensor Wrench *(Blue-Point)*
- For oxygen sensors on GM® LT1 and LT5 5.7 L V8 engines
- Further applications on 2007 and later Harley-Davidson® motorcycles
- Eliminates need to unhook exhaust system when removing or reinstalling oxygen sensor
- 3/8" drive with 2 1/8" hex size
- Industrial finish

YA6675 Shielded Oxygen Sensor Socket *(Blue-Point)*
- For use on late model *Toyota* and *Lexus*
- Depth and outer diameter are critical for limited space inside heat shield
- 12-point double hex
- Forged for maximum strength

YA6775 Oxygen Sensor Wrench *(Blue-Point)*
- Designed for use with most oxygen sensors no matter what size electrical connectors they have
- Double sided design, 6- and 12-point configuration
- Pivoting handle design allows positive leverage in confined areas



Carburetor Adjustment Tools

2006IT Carburetor Adjusting Set
Includes: S6137E, S6138E, S6139, TM64, TM83A, TM85

S6137E Idle Adjusting Hex Head Driver
- For 1978 and later Chrysler® vehicles
- 3/32" hex driver is 1 9/16" long
- Nickel-chrome finish socket
- 7/16" OD
- 1/4" drive industrial finish bit

S6138E Idle Adjusting Driver
- For Ford® feedback carburetors
- 7/16" OD
- 1/4" drive
- Bit has a 3/16" x 1/32" flat tip, 2" long
- Nickel-chrome finish socket, industrial finish bit

S6139 Double "D" Carburetor Adjusting Socket
- For 1978 and later GM® idle adjusting screw
- OD drive end is 7/16"
- Nickel-chrome finish
- 3.5 mm across flats
- 1/4" drive
- 13/16" long

TM64 Rigid Adjusting Tool
- Rigid elbow bend rather than flexible feature
- Use with carburetor drivers for making carburetor and point adjustments
- Rigid shaft
- Overall length is 18 1/4", 1/4" drive

TM65 Flexible Adjusting Tool
- Flexible shaft end for working in restricted areas
- Overall length is 19 3/4", 1/4" drive
- Ideal for working in tight spaces when servicing window type distributors
- Knob markings allow for counting turns

TM615 Flexible Driver
- 1/4" drive
- Designed for carburetor work, this driver can also access buried distributors
- 1/4" drive at the end of a tough but flexible spring steel shank
- 18 5/8" long
- For low torque applications
- Ideal to access buried adjusting screws
- Cable length is 15"; overall length is 18 5/8"

TM83A Recessed Blade Carburetor Screwdriver
- 1/4" drive
- Use with TM64 or TM65 and other 1/4" square drive handles
- Blades are recessed in outer socket wall to self center
- Nickel-chrome finish
- 3/8 x 1/32" blade

TM84 Recessed Blade Carburetor Screwdriver
- 1/4" drive
- Use with TM64 or TM65 and other 1/4" square drive handles
- Blades are recessed in outer socket wall to self center
- Nickel-chrome finish
- 7/16" x 1/32" blade

TM85 Recessed Blade Carburetor Screwdriver
- 1/4" drive
- Use with TM64 or TM65 and other 1/4" square drive handles
- Blades are recessed in outer socket wall to self center
- Nickel-chrome finish
- 9/32" x 1/32" blade for adjusting late model Quadrajet carburetors

TAM3E Metric Hex Head Driver
- Use to make carbon monoxide adjustments on 1976 Dasher®, 1974–1976 Audi® and Volvo®, and 1975 and 1976 Fiat® and Saab® vehicles
- 3 mm bit size, 1/4" drive
- 6 7/8" long
- Nickel-chrome finish

⚠WARNING
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

FUEL & ENGINE SYSTEMS: DISTRIBUTOR SERVICE TOOLS



S8564B



S9707



S8176



S9609



S9622



S9626

US Distributor Wrenches

Stock No.	Wrench Size, inches
S8564B	1/2
S9707	1/2
M3515	9/16
S8176	9/16
S9609	9/16
S9622	9/16
S9626	9/16

S8564B Distributor Wrench
- Ford®, Lincoln® and Mercury® engines; clears leads and coils

S9707 Distributor Wrench
- *Ford*, *Mercury* and Cadillac® engines

M3515 Distributor Wrench
- GM® V6 and V8 trucks

S8176 Distributor Wrench
- Pontiac® and Oldsmobile® engines

S9609 Distributor Wrench
- Chevrolet® V8 engines

S9622 Distributor Wrench
- 1977 and later full-size *GM* cars with V8 engines

S9626 Distributor Wrench
- *GM* V6 engines



Metric Distributor Wrench

S6134 Metric Distributor Wrench
- 1982 and later *Cadillac* 4.1 L V8 engines, *GM* 2.8 L V6 engines, and 1985 VW® Golf® engines
- 15 mm

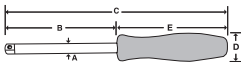


TM63A



ACD12B

Driver



TM63A Flexible Driver
- 1/4" drive
- For low torque applications
- For use on Delco-Remy® window type distributors

Stock No.	A	B	C
TM63A	1/4	4 21/32	9 3/16

Cleaning Brush

ACD12B Distributor Cleaning Brush (Blue-Point®)
- Wire brush cleans terminal connections on distributors and coils
- 5 1/4" long with a 4" long handle
- Wire diameter is .012"

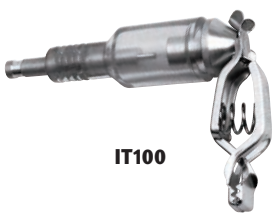
IGNITION TOOLS

Ignition Testers



YA2700

YA2700 Ignition Module Tester
- For testing Chrysler® 4-pin and 5-pin modules; GM® 4-pin, 5-pin, and 7-pin modules; plus Ford® 3-pin and "grommet" style modules
- LED indicator gives a simple "good" or "bad" reading



IT100

IT100 Ignition Tester
- For standard ignition systems
- Check for spark without removing spark plug from engine
- Testers attach to spark plug lead and spring clip attaches to appropriate ground



ITHE100

ITHE100 Ignition Tester
- Same as IT100 but for use on HEI systems



YA6465

Ignition Tools

YA6465 Ignition Modulator Wrench for *Ford* Vehicles
- Use to remove 7/32" (5.5 mm) hex retainer bolts on *Ford* ignition modules
- 1/2" hex drive

⚠WARNING

- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

WELDING. WELL DONE.

The full contingent of Snap-on® MIG or TIG welders, accessories, plasma cutters, oxygen-acetylene torch kits and protective safety gear.

Performance — Weld thicker metal with longer weld times than other machines; higher-duty cycles and wider amperage ranges underscore industry-leading performance.

Durability — Metal wire feeder assemblies, copper-on-copper transformer construction and integral cooling fans provide increased longevity.

Safety — A variety of welding masks to fit multiple styles and needs; auto-darkening visors, protective sleeves and gloves, and more. Protect yourself with safe – and comfortable – equipment.



SNAP-ON® MUSCLE MIG/MIG WIRE FEED WELDERS

Snap-on MIG Welders have higher duty cycles at maximum amperage providing added weld times and performance that surpasses the competition. Ideal for many applications including automotive repair, collision, heavy duty truck, farm and metal fabrication shops. Added capabilities include a detachable feeder assembly, spot stitch (some models), along with the optional TIG accessory and aluminum spool gun packs.

Wire feed assembly, constructed of precision machined-cast aluminum, features all metal gearing and 800 in/min delivery for consistent wire speeds

Capacitor bank and diode set delivers consistent voltage and industry-leading smooth arc characteristics



All copper wound, tapped transformer features Nomex® insulation and bolted laminations to provide precise voltage control and repeatable welds



MIG220



MM250SL



MM350XL

230V MIG Welders

Stock No.	MIG220	MM250SL	MM350XL
Output Amperage Max (amps)	220	270	350
Duty Cycle Rating	60% @ 185A	100% @ 185A	100% @ 300A
Welding Capacity, Single Pass (in)	5/16	3/8	1/2
Voltage Settings – MIG/TIG	12/4	8/4	8/4
Spot-Stitch	No	Yes	No
Detatchable Feeder	No	Yes	Yes
Wire Size (inches)	0.023–0.045	0.023–0.045	0.023–0.063
Torch Length (ft)	10	10	12
Feeder Cable Length (ft)	N/A	15	15
Ground Cable Length (ft)	10	15	25
Power Input Cable Length (ft)	20	20	20
Input Voltage	208/230V AC, 50/60 Hz 1-ph	208/230V AC, 50/60 Hz 1-ph	208/230V AC, 50/60 Hz 1-ph
Input Amperage (recommended)	26/24	26/24	46/42
Gas Regulator-Flowmeter	Yes	Yes	Yes
Warranty*	2 Years	2 Years	2 Years

*Does not include cable or torch

TECHNICAL SUPPORT 1-800-ABC-WELD

⚠WARNING

- Wear face shield and protective clothing while welding and cutting
- Do not allow bystanders while welding and cutting
- Read safety precautions on pages W1 to W4

SNAP-ON® MUSCLE MIG/MIG WIRE FEED WELDERS

Snap-on MIG welders can be used as straight polarity with shielding gas or reverse polarity without shielding gas for flux cored wire. MIG125 and MIG135 are compact and portable for use on the worksite.



MIG140



MM140SL



MIG125



MIG135

115V MIG Welders

Stock No.	MIG140	MM140SL
Output Amperage Max (amps)	140	140
Duty Cycle Rating	60% @ 140A	100% @ 140A
Welding Capacity, Single Pass (in)	1/4	1/4
Voltage Settings – MIG/TIG	6/3	8/4
Spot-Stitch	No	Yes
Detatchable Feeder	No	Yes
Wire Size (inches)	0.023–0.035	0.023–0.045
Torch Length (ft)	10	10
Feeder Cable Length (ft)	n/a	15
Ground Cable Length (ft)	10	15
Power Input Cable Length (ft)	20	20
Input Voltage	115V AC, 50/60 Hz 1-ph	120V AC, 50/60 Hz 1-ph
Input Amperage (recommended)	30	15
Gas Regulator-Flowmeter	Yes	Yes
Warranty	2 Years	2 Years

*Does not include cable and torch

Portable MIG Welders

Stock No.	MIG125	MIG135
Output Amperage Max (amps)	125	135
Duty Cycle Rating	20% @ 80A	20% @ 90A
Welding Capacity, Single Pass (in)	3/16	3/16
Voltage Settings – MIG/TIG	4/-	7/-
Spot-Stitch	No	No
Detatchable Feeder	No	No
Wire Size (inches)	0.023-0.035	0.023–0.035
Torch Length (ft)	7	9
Feeder Cable Length (ft)	n/a	n/a
Ground Cable Length (ft)	8	8
Power Input Cable Length (ft)	6	6
Input Voltage	115V AC, 50/60 Hz 1-ph	115V AC, 50/60 Hz 1-hp
Input Amperage (recommended)	20	20
Gas Regulator-Flowmeter	Regulator	Regulator
Warranty	2 Years	2 Years

*Does not include cable and torch

TECHNICAL SUPPORT 1-800-ABC-WELD

MIG WELDER ACCESSORIES

Accessories – MIG Welders

Image	Stock No.	Description	MM140SL	MM250SL	MM350XL	MIG220	MIG140
	MHG5A	Aluminum Spool Gun Converts welders listed to aluminum welding	n/a	n/a	n/a	opt	opt
	MHG5B	Aluminum Spool Gun Converts welders listed to aluminum welding	opt	opt	opt	n/a	n/a
	CKSTP2125A	DC TIG Pack Adds DC TIG welding capability for welding ferrous metals	n/a	n/a	n/a	opt	opt
	FLEXTIG25	DC TIG Pack Adds DC TIG welding capability for welding ferrous metals	opt	opt	opt	n/a	n/a
	CKS2TK	Twin Cylinder Rack Converts models listed to carry 2 cylinders	n/a	opt	std	opt	n/a
	CKS15FN1030	Flexible Neck Torch Flexible neck torch for welding exhaust systems	opt	opt	opt	opt	opt

std=standard opt=optional n/a=not applicable

Parts and Consumables – MIG Welders

Stock No.	Description	MIG140	MM140SL	MIG220	MM250SL	MM350XL
CKS15TG1030	10 ft Cable and Torch (.030 wire)	std	std	opt	opt	—
CKS15TG1035	10 ft Cable and Torch (.035 wire)	opt	opt	std	std	—
CKS35XL1235	12 ft Cable and Torch (.035 wire)	—	—	—	—	std
CKS15TG1025	10 ft Cable and Torch (.025 wire)	opt	opt	opt	opt	—
CKS15TG1230	12 ft Cable and Torch (.030 wire)	opt	opt	opt	opt	—
CKS15TG1235	12 ft Cable and Torch (.035 wire)	opt	opt	opt	opt	—
CKS15TG1535	15 ft Cable and Torch (.035 wire)	opt	opt	opt	opt	—
CKS25SG1035	10 ft Cable and Torch (.035 wire)	opt	opt	opt	opt	—
CKS35XL1245	12 ft Cable and Torch (.045 wire)	—	—	—	—	opt
CKS35XL1535	15 ft Cable and Torch (.035 wire)	—	—	—	—	opt
CKS35XL1545	15 ft Cable and Torch (.045 wire)	—	—	—	—	opt
CKSM103LB	Liner for 10 ft Torch (.020–.030)	std	std	opt	opt	—
CKSM123LB	Liner for 12 ft Torch (.020–.030)	opt	opt	opt	opt	opt
CKSM104LN	Liner for 10 ft Torch (.030–.045)	opt	opt	std	std	—
CKSM124LN	Liner for 12 ft Torch (.030–.045)	opt	opt	opt	opt	std
CKSM3T2510	Contact Tip (.025), 10 ea.	opt	opt	opt	opt	opt
CKSM3T3010	Contact Tip (.030), 10 ea.	std	std	std	std	opt
CKSM3T3510	Contact Tip (.035), 10 ea.	opt	opt	opt	opt	std
CKSM3T4510	Contact Tip (.045), 10 ea.	opt	opt	opt	opt	opt
CKSM3TN50	1/2" Adjustable Nozzle	std	std	std	std	—
CKSM5C62	Nozzle with 5/8 ID	—	—	—	—	std
CKSM3TB2	Insulators (2 ea.) w/ O-rings, 6 ea.	std	std	std	std	—
CKSM3TBR3	Insulator O-rings (3 ea.)	std	std	std	std	—
CKSM3TD	Gas Diffuser	std	std	std	std	—
CKSM6D	Gas Diffuser	—	—	—	—	std
CKSM6B	Insulated Nozzle Bushing	—	—	—	—	std
CKSGRFM	Regulator Flowmeter	std	std	std	std	std

std = Standard opt = Optional

Snap-on® MIG Welder Consumable Kits

Contains a selection of parts to repair *Snap-on* MM series, MIG220, MIG140, YA212AIND and FM140A welders along with MHG series spoolguns.



CKSMPK1



CKSMPK10

CKSMPK1 MIG Welder Parts Kit
- Standard MIG consumables such as contact tips, O-rings, nozzles, insulator and diffuser

CKSMPK10 Master MIG Welder Parts Kit
- Contains CKSMPK1 contents along with additional parts for aluminum spoolguns

Portable MIG Welder Parts and Consumables

Stock No.	Description	MIG125	MIG135
CKSGR115	Regulator	std	std
MIG023	Contact Tip (.023), 10 ea.	std	std
MIG030	Contact Tip (.030), 10 ea.	opt	opt
MIG035	Contact Tip (.035), 10 ea.	opt	opt
MIG1151	Tapered Nozzle	std	std
MIG1152	Spot Weld Nozzle	opt	opt
MIG1153	Steel Liner	std	std
MIG1154	Nozzle Spring	std	std
MIG1155	9 ft Cable and Torch	—	std
MIG1156	Diffuser	std	std
MIG1157	Teflon® Liner (for aluminum wire)	opt	opt
CKS8124700	6 ft Cable and Torch	std	—

std = Standard opt = Optional

TIG Pack Parts and Consumables

Stock No.	Description	CKSTP2125A	FLEXTIG25
CKS3T332	Tungsten 3" – size 1/16"	std	std
CKS3C332	Collet for 3/32" Tungsten	std	std
CKS3T116	Tungsten 3" – size 1/16"	—	std
CKS3T418	Tungsten 3" – size 1/8"	std	opt
CKS3C116	Collet for 1/16" Tungsten	—	std
CKS3C418	Collet for 1/8" Tungsten	std	opt
CKS3CB116	Collet Body for 1/16" Tungsten	—	std
CKS3CB332	Collet Body for 3/32" Tungsten	std	std
CKS3CB418	Collet Body for 1/8" Tungsten	std	opt
CKSTIGSHARP	Chemical Tungsten Sharpener	opt	opt

std = Standard opt = Optional

Aluminum Spool Parts and Consumables

Stock No.	Description	MHG5A	MHG5B
CKSM5C62	Nozzle with 5/8 ID	std	std
CKSM5NB	Nozzle Body	std	std
CKSM5B	Insulated Nozzle Bushing	std	std
CKSM35NA62	Nozzle Assembly	std	std
CKSM35D	Gas Diffuser	std	std
CKSMGT2510	Contact Tip (.025) 10 ea.	opt	opt
CKSMGT3010	Contact Tip (.030) 10 ea.	opt	opt
CKSMGT3510	Contact Tip (.035) 10 ea.	std	std
CKSMGT36410	Contact Tip (3/64) 10 ea.	opt	opt
CKS404335	Aluminum Wire (Size .035) 1 lb	std	std
CKS404330	Aluminum Wire (Size .030) 1 lb	opt	opt
CKS4043364	Aluminum Wire (Size 3/64") 1 lb	opt	opt

std = Standard opt = Optional

⚠WARNING

- Wear face shield and protective clothing while welding and cutting
- Do not allow bystanders while welding and cutting
- Read safety precautions on pages W1 to W4

TIG WELDERS

Welds a variety of metals including steel, aluminum, stainless-steel and chromoly.



TIG150i Face Plate



TIG255i Face Plate

TIG150i

TIG255i

TIG Welders

- Welding Process Versatility: select between AC TIG, DC TIG or Stick Electrode welding options
- Amperage Control: fine adjustment range to weld extremely thin materials to maximum thicknesses
- TIG two- or four-stage continuous and pulse modes
- AC Balance Adjustment: penetration, balanced and cleaning
- Pulse and background amperage adjustment
- AC frequency adjustment
- Upslope/Downslope as well as post as flow adjustment
- High frequency/scratch starting modes

Specifications	TIG150i	TIG255i
Torch	Gas Cooled	Water Cooled
Input Voltage	208/230V AC	208/230V AC
Input Current	30 Amps	30/15.8 Amps
Output Current	5–150 Amps	220 Amps
Duty Cycle	60% @ 110 A	100% @ 160A, 40% @ 220A
Torch Lead Length	25'	25'
Ground Cable Length	25'	25'
Power Cord Length	12'	8'
Shipping Weight, lb (kg)	57 (26)	180 (81.6)

TIG150I TIG Welder

- Full featured 150 A TIG welder that's ideal for everyday shop use

TIG255i TIG Welder

- Full featured 255 A TIG welder with a water-cooled torch for longer weld times, cooler operation and enhanced dexterity
- Ideal for production welding environments



TIGINVRAD



TIGINVFP



TIG250EH

TIG Welder Accessories

Stock No.	Description	TIG150i	TIG255i
TIGINVFS	Remote Foot Switch	std	std
CKSGRFM	Regulator Flowmeter	std	std
TIG150GCA	Ground Cable Assembly	std	std
TIG150TA	Torch Assembly	std	—
TIG255TA	Torch Assembly	—	std
CKSKITTIG250	Consumable Kit	std	std
TIGINVRAD	Clip-On Torch Amperage Control	opt	opt
TIGINVFP	Foot Pedal Amperage Control	opt	opt
TIG250EH	Stick Electrode Holder	opt	opt
TIG250HC25	Leather Cable Cover	opt	opt

std = Standard opt = Optional

TECHNICAL SUPPORT 1-800-ABC-WELD

PLASMA CUTTERS

Snap-on® plasma cutters are ideal for cutting ferrous (steel, stainless-steel) metals as well as non-ferrous metals (aluminum) and new high-strength steels. Uses clean, dry compressed air, includes air regulator for accurate adjustment of air pressure for the best quality cut. Compact torch handle for accessing tight areas.



PLASMA30i



PLASMA60i



PLASMA50



PLASMA25

Plasma Cutters

Specifications	PLASMA30i	PLASMA60i	PLASMA50	PLASMA25
Output Amperage Max (amps)	Adjustable 5–25	Adjustable 20–55	30 and 50	25
Cut Thickness (in)	3/8	3/4	1/2	3/8
Sever Thickness (in)	1/2	1	3/4	3/8
Primary Input, (V)	115 or 230V AC, 50/60 Hz	208/230 V AC, 50/60 Hz	208/230V AC, 50/60 Hz	115 V AC 50/60 Hz
Primary Input, (A)	30A 115V or 20A 230V	40A	30A	20A
Duty Cycle Rating	100% @ 19A/60% @ 22A/35% @ 25A	100% @ 30A/60% @ 40A/35% @ 55A	40% @ 50A	20% @ 25A
Compressed Air Requirements (min)	50 PSI @ 7 CFM	68 PSI @ 7 CFM	88 PSI @ 7 CFM	88 PSI @ 5 CFM
Torch Cable Length (ft)	12	18	18	12
Ground Cable Length (ft)	12	18	18	12
Warranty	2 Years	2 Years	2 Years	2 Years
Net Weight, lb (kg)	29 (13.15)	44 (20)	137 (62)	55 (25)

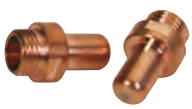
*Does not include cable or torch

TECHNICAL SUPPORT 1-800-ABC-WELD

PLASMA CUTTER CONSUMABLES



PLASMA2304



PLASMA2305



PLASMA2308



PLASMA5005



PLASMA5001



PLASMA2504



PLASMA3003



PLASMA5003



PLASMA5004

Plasma Cutter Consumables

Description	PLASMA115	PLASMA230	PLASMA25	PLASMA50	PLASMA30i	PLASMA60i
Complete Torch Assembly	PLASMA1153	PLASMA23010	PLASMA2503	PLASMA5007	PLASMA3007	PLASMA5007
Metal Diffuser	–	–	PLASMA5005*	PLASMA5005*	–	PLASMA5005*
Short Nozzle (1 mm) 30–35 A	PLASMA2301†	PLASMA2301†	–	–	–	–
Electrode	PLASMA1151†	PLASMA2305†	PLASMA5004†	PLASMA5004†	PLASMA3004	PLASMA5004†
Long Electrode	PLASMA1152*	PLASMA2307†	–	–	–	–
Nozzle (0.7 mm)	–	–	–	–	PLASMA3002†	–
Nozzle (1.1 mm) 55A	–	–	PLASMA5002†	PLASMA5002†	–	PLASMA5002†
Long Nozzle (0.9 mm) 35 A	PLASMA2308†	PLASMA2308†	–	–	–	–
Long Nozzle (1 mm) 35–50 A	PLASMA2302**	PLASMA2302**	–	–	–	–
Nozzle Holder	PLASMA2304	PLASMA2304	PLASMA5001	PLASMA5001	PLASMA3001	PLASMA5001
Spacer Spring	–	PLASMA2309†	–	–	–	–
Swirl Ring	PLASMA23031	PLASMA23031	PLASMA5003*	PLASMA5003*	PLASMA3003*	PLASMA5003*
Torch Head Body	–	PLASMA23011	PLASMA5006	PLASMA5006	PLASMA3006	PLASMA5006
Two Point Spacer	–	–	PLASMA2504	PLASMA2504	–	PLASMA2504

One each per package unless otherwise noted
*Two each per package
**Three each per package
†Five each per package

⚠WARNING

- Wear face shield and protective clothing while welding and cutting
- Do not allow bystanders while welding and cutting
- Read safety precautions on pages W1 to W4

GAS WELDING



WE200A



WE250A

Gas Welding

- Use for auto repair, construction, fabrication, manufacturing and maintenance
- Forged brass regulator is durable and strong
- Regulator diameter 2 1/4" allows precise control of gas
- Internal filter keeps particles from entering regulator
- PTFE Teflon® seal
- Handle shutoff valve color coding allows ease in identifying the corresponding gas control
- Two-piece cutting tip is easier to clean
- High quality hose offers reduced tear resistance and increased flexibility

WE200A Standard Duty Welding Kit
- Cuts up to 1" and welds up to 1/8". Cuts up to 4" and welds up to 1/2" with optional tips

WE250A Medium Duty Welding Kit
- Cuts up to 1" and welds up to 1/8". Cuts up to 5" and welds up to 1/2" with optional tips

Kit Components

Set Contains:		WE200A	WE250A
Stock No.	Description		
HRC1401340	85 Weld Handle w/ Check Valves	std	std
HRC1300380	72-3 Cut Attach	std	std
HRC9100614	D-85 Weld Mixer	std	std
HRC4300499	Twin Hose, 3/16 x 20	std	std
HRC4304482	Cover Goggle	std	std
HRC9004486	Striker	std	std
WE200A1	Oxygen Regulator	std	—
WE200A2	Acetylene Regulator	std	—
WE250A1	Oxygen Regulator	—	std
WE250A2	Acetylene Regulator	—	std
HRC1502172	6290-1 #1 AC Cut Tip	std	std
HRC1600890	23-A-90-5 #5 Weld Tip	std	std
HRC1600870	23-A-90-3 #3 Weld Tip	std	std
HRC1600850	23-A-90-1 #1 Weld Tip	std	std

std = Standard opt = Optional

Optional Accessories

HRC1800710 J-63-1 Heating Assembly
HRC1600840 23-A-90-0 #0 Weld Tip
HRC1600860 23-A-90-2 #2 Weld Tip
HRC1600880 23-A-90-4 #4 Weld Tip
HRC1502171 6290-0AC #0AC Cut Tip
HRC1502173 6290-2AC #2AC Cut Tip
HRC1502174 6290-3AC #3AC Cut Tip
HRC1502175 6290-4AC #4AC Cut Tip
HRC4302202 Torch Flash Arrestor (Pair)
HRC9000160 E-9 Tip Cleaner (2pc tip)
HRC9004484 Replacement Flints

WELDING ACCESSORIES

YA427B Welding Gloves
- Helps protect hands from sparks when welding
- Leather construction with added insulation for heat protection
- Reinforced palm for durability



YA427B

YA4282 TIG Welding Gloves
- Ideal for TIG welding processes
- Pigskin material for precise control
- Helps protect hands from heat and sparks
- Thick leather cuff for wrist protection



YA4282

YA4280 Welding Sleeves
- Helps protect arms from sparks when welding or cutting
- Elastic bands at each end of sleeve
- Constructed of flame retardant fabric



YA4280

SOLDERING



YAKS32A

Soldering Tips (YAKS32A)

Stock No.	Description	Size, inches (mm)
YAKS1-1	Single Flat Solder Tip	1/32" (1.0 mm)
YAKS1-2	Single Flat Solder Tip	3/32" (2.4 mm)
YAKS1-3	Single Flat Solder Tip	1/8" (3.2 mm)
YAKS1-4	Single Flat Solder Tip	3/16" (4.8 mm)
YAKS1-5	Double Flat Solder Tip	1/32" (1.0 mm)
YAKS1-6	Double Flat Solder Tip	3/32" (2.4 mm)
YAKS1-7	Double Flat Solder Tip	1/8" (3.2 mm)
YAKS1-8	Double Flat Solder Tip	3/16" (4.8 mm)
YAKS1-9	Hot Air Blower Tip	—
YAKS1-10	Hot Knife Tip	—
YAKS1-11	Plastic Case	—
YAKS112	Hot Air Blower Deflector	—
YAKS113	Hot Air Blower and Deflector Tip	—

Butane Soldering Iron Kit

Durable all around favorite featuring an ultrasonically welded gas tank for better strength, safety and reliability. Made with butane compatible plastics to help prevent gas from leaking.
- Converts to a heat shrink tool and hot knife with the addition of interchangeable tips
- Cordless butane powered, no cords or wires
- 12-month replacement warranty

YAKS32A Butane Soldering Iron Kit (25 W–125 W)
- Kit includes five soldering tips plus hot knife, hot air and hot air deflector tips
- Push-button electronic ignitor
- Torch and soldering iron all in one
- Run time 90 minutes plus continuous use
- Adjustable temperature control 25 W–125 W (equivalent)

YAS32A 2-in-1 Gas Soldering Auto-Ignition Tool (25 W–130 W)
- Includes YAKS1-6 2.4 mm Double Flat soldering tip
- Push-button electronic ignitor
- Torch and soldering iron all in one
- Run time 90 minutes plus continuous use
- Adjustable temperature control 25 W–125 W (equivalent)



YAKS22A

Butane Soldering Iron Kit

Versatile and compact professional soldering iron, featuring an ultrasonically welded gas tank for better strength, safety and reliability. Made with butane compatible plastics to help prevent gas from leaking.

- Converts to a torch, heat shrink tool and hot knife with the addition of interchangeable tips
- Cordless butane powered, no cords or wires
- 12-month warranty

YAKS22A Butane Soldering Iron Kit (15 W–75 W)

- Kit includes eight tips: Hot air, heat shrink, torch, hot knife with four soldering tips
- Push-button electronic ignitor
- Short distance from tip to grip gets you closer to your work
- Run time up to one hour
- Adjustable temperature control 15 W–75 W (equivalent)
- ESD safe antistatic

YAS22A Gas Soldering with Auto-Ignition (15 W–75 W)

- Includes YAKS226 2.4 mm Double Flat Tip
- Push-button electronic ignitor
- Short distance from tip to grip gets you closer to your work
- Run time up to one hour
- Adjustable temperature control 15 W–75 W (equivalent)
- ESD safe antistatic

YAKS22A Soldering Tips

Stock No.	Description	Size, inches (mm)
YAKS221	Single Flat Solder Tip	1/32" (1.0 mm)
YAKS222	Single Flat Solder Tip	3/32" (2.4 mm)
YAKS223	Single Flat Solder Tip	1/8" (3.2 mm)
YAKS224	Single Flat Solder Tip	3/16" (4.8 mm)
YAKS225	Double Flat Solder Tip	1/32" (1.0 mm)
YAKS226	Double Flat Solder Tip	3/32" (2.4 mm)
YAKS227	Double Flat Solder Tip	1/8" (3.2 mm)
YAKS228	Double Flat Solder Tip	3/16" (4.8 mm)
YAKS229	Hot Air Blower Tip	—
YAKS2210	Hot Knife Tip	—
YAKS2211	Hot Air Blower Deflector	—
YAKS2212	Flame Tip	—
YAKS2213	Hot Air Blower and Deflector Tip	—
YAKS2214	Instruction Sheet	—
YAKS2215	Carrying Case	—



YAKS300

Butane Soldering Iron Kit

YAKS300 Butane Soldering Iron Kit (50 W)

A robust economy model featuring an ultrasonically welded gas tank for better strength. Butane compatible plastics helps prevent gas from leaking.

- 12-month replacement warranty
- Easy to light with added flint ignitor in the cap
- 50 W equivalent with a 30-minute continuous use run time
- Safety cutoff switch when cap is replaced
- Cordless butane powered; no cords or wires
- Kit includes four tips, stand and cleaning sponge

YAS300 Butane Soldering Iron

YAKS300 Soldering Tips

Stock No.	Description	Size, inches (mm)
YAKS3001	Heater Element	—
YAKS3002	Fine Solder Tip	1/8" (3.2 mm)
YAKS3003	Chisel Solder Tip	1/8" (3.2 mm)
YAKS3004	Double Flat Solder Tip	3/16" (4.8 mm)
YAKS3005	Hot Knife Tip	—
YAK10-8	Hot Iron Stand	—
YAK10-9	Metal Sponge Cup	—
YAK10-10	Storage Case	—

Kit Comparison YAKS300, YAKS32A & YAKS22A

Products	YAKS300	YAKS32A	YAKS22A
Fine Tip	•		
1.0 DF Tip		•	•
2.4 DF Tip	•	•	•
3.2 DF Tip		•	•
4.8 mm Tip		•	•
Hot Knife Tip	•	•	•
Hot Blow & Deflector		•	•
Torch		•	•
Cleaning Sponge & Tray	•	•	•
Kit Box	•	•	•
Flint Ignitor cap	•		
Cap		•	•
Push Button Igniter		•	•
Max. Power (watts equivalent)	50	125	75
Adjustable Temperature Control	•	•	•
Run time, mins	30	90	60
Tips Included	4	8	8
ESD Safe	•	•	•

⚠WARNING



- Do not store butane at temperature over 120 °F
- Transport and dispose of butane in accordance with all regulations
- Read safety precautions on pages W1 to W4

SOLDERING



R450B

R450B Soldering Gun Kit
- Three different tip and element configurations give this tool great flexibility from delicate soldering to larger, heavy duty applications, such as automotive maintenance
- Slim, single post design ideal for confined work areas
- Fast heat-up
- Built-in spotlight to illuminate the work area
- Integral tool stand keeps heated part of the tool out of harm's way
- Polarized plug and professional quality
- Packed in a plastic storage case
- UL® listed



R460B

R460B Heavy Duty Soldering Gun Kit (Blue-Point®)
- Heavy duty soldering gun for those big jobs, quick and efficient
- Built-in spotlight illuminates the work area
- Balanced tool design is more comfortable and easier to use
- Tip heats up in less than ten seconds
- Quick change type tips can be easily changed within 30 seconds
- Integral tool stand keeps heated part of the tool from damaging surrounding areas
- Packed in a plastic storage case
- *UL* listed



R490

R490 Industrial Soldering Gun *(Blue-Point)*
- Dual wattage elements: high wattage heats tip in seconds, lower wattage maintains rated tip temperature
- Effective tip temperature of 1,000 °F or more for heavy duty, sustaining soldering
- Trigger activated control is convenient, easy to use and provides instant response
- Built-in worklight illuminates the work area
- Plug-in tip and element (TE) assemblies are plug in units that can be changed within a minute
- Integral tool stand prevents heated part of tool from damaging surrounding areas
- Plastic storage case
- *UL* listed

R490400 Replacement Soldering Tip
R490500 Optional Soldering Tip

Irons



R40B

R40B Industrial Soldering Kit
- 40 W solder iron is ideal for large solder jobs like battery terminal cables or radiator repair. Threaded tips offer improved heat exchange compared to set screw types
- Features a heat deflection shield, 4 3/4" long handle, 8 1/2" overall length and 8' power cord
- Includes pointed, chisel and fine tips plus 1/2 oz of lead-free rosin core solder and holder
- *UL* listed
- 120V, 60 Hz



R25A

R25A Industrial Soldering Kit
- Lightweight 25 W pencil style kit for fine soldering applications
- Threaded tips offer improved heat exchange
- Features a heat deflection shield, 4 3/4" long handle, 8 1/2" overall length and 8' power cord
- Includes pointed, chisel and fine tips plus 1/2 oz of lead-free rosin core solder and holder
- *UL* listed
- 120V, 60 Hz



R60B

Soldering Stations

R60B (60 W) Soldering Station *(Blue-Point)*
- Includes low voltage, temperature-controlled soldering pencil that features a heat shield, a non-burnable silicone rubber cord and a plug-in tip design
- Transformer powered
- 700 °F; 1/16" screwdriver tip included
- 120V, 60 Hz
- Optional 700 °F tips for R60B or RH60B

Optional Tips

Item	Description
R60A7	Screwdriver 1/16" Tip (700 °F)
R60A8A	Screwdriver 1/16" Tip (800 °F)
R60B7	Screwdriver 3/32" Tip (700 °F)
R60B8	Screwdriver 3/32" Tip (800 °F)
R60D7	Screwdriver 3/16" Tip (700 °F)
R60O7	Long Conical 1/32" (700 °F)
R60R7	Narrow Screwdriver 1/16" Tip (700 °F)
R60R8	Narrow Screwdriver 1/16" Tip (800 °F)
R60S7	Long Conical 1/64" Tip (700 °F)



TORCH6



TORCH2A



TORCH3A



TORCH4

Miniature Butane Soldering Torches

TORCH6 Butane Torch
- Features an ultrasonically welded gas tank for better strength, safety and reliability
- Made with butane compatible plastics, prevents gas leaking
- 18-month replacement warranty
- Robust burner specifically designed to protect the ceramic greatly extends the life of the torch
- Twin spark ignition, lights first time every time
- Massive 2.797 Btu/h flame power
- Adjustable flame length up to 4 1/2"
- Temperature up to 2,462 °F (1,350 °C)
- Almost four times more powerful than any other butane micro torch

TORCH2A Turbo Torch (Blue-Point®)
- Child-resistant Piezo Ignition System
- Instant 1,300 °C/2,400 °F Micro Flame
- Pocket size
- Internal fuel tank
- 20 minutes of continuous use per refilling

TORCH3A Professional Torch *(Blue-Point)*
- Child-resistant Piezo Ignition System
- Instant 1,300 °C/2,400 °F pencil point flame
- Adjustable gas control valve
- Safety continuous-use lock
- 20 minutes of continuous use per refilling

TORCH4 Butane Blow Torch *(Blue-Point)*
- Ultrasonically welded gas tank for better strength and safety
- Butane compatible plastics prevents gas leaks
- Powerful wind resistant flame with 751 Btu/h
- Temperature up to 2,462 °F (1,350 °C)
- All-in-one easy-to-use on/off ignition switch
- Adjustable flame length up to 3 1/2"
- Run time is a continuous 40 minutes plus
- 220 W equivalent

SOLDERING ACCESSORIES

Butane Fuel Cans

BUTANE15CSA Butane Fuel Cans (Case of 24)
- Triple filtered butane fuel for use with TORCH2A, TORCH3A, TORCH4 and TORCH6 mini torches, YAKS300/YAKS32A/ YAKS22A soldering irons and GLUEGUN3/GLUEGUN4KT glue guns
- Universal filling tip can be used with most refillable butane products as well
- Case of (24) 1.5 oz cans



BUTANE15CSA

Solder Suckers

YA477A Solder Sucker
- Low static unit designed for desoldering electrostatic discharge sensitive components
- Set plunger and release creates a vacuum that draws up solder

YA477-1 Replacement Tip
Replacement tip for YA477A



YA477A



YA476A

YA476A Small Solder Sucker
- Smaller version of YA477A above
- Includes self-cleaning feature

YA476-1A Replacement Tip
Replacement tip for YA476A

Tweezers *(Blue-Point)*

TZK5 Tweezers Kit
Includes five tweezers in a vinyl zipper pouch.
- All stainless-steel construction
- Pointed tweezers with plain ends, 4 3/8" long
- Self-closing tweezers with plain ends, 4 1/2" long
- Self-closing, weighted solder tweezers with serrated blunt end, 7" long
- Sharp point utility tweezers with bent plain ends, 7" long
- Sharp point utility tweezers with plain ends, 7" long



TZK5

TZK7 Tweezers Kit
Includes seven tweezers in a black vinyl zipper pouch.
- All stainless-steel construction
- Pointed tweezers, 4 3/8" long
- Curved head utility tweezers, 6 3/4" long
- Self-closing, heat-resistant tweezers, 6" long
- Sharp pointed utility tweezers, 7" long
- Side locking tweezers, 6" long
- Spade point tweezers, 4 3/8" long
- Weighted solder tweezers, 6" long



TZK7

Miniature Tool/Pliers *(Blue-Point)*

Stainless-steel, three notch ratcheting locking mechanisms lock onto small objects with varying degrees of pressure. 1/16" tips; 1 3/8" long jaws.

MPC7A Mini-Pliers
Curved, serrated jaws. 7" long

MPC10A Mini-Pliers
Curved, serrated jaws. 10" long

MPS7A Mini-Pliers
Straight, serrated jaws. 7" long

MPS10A Mini-Pliers
Straight, serrated jaws. 10" long

MPK4A Mini-Pliers Set
MPC7A and MPC10A plus MPS7A and MPS10A (4pc) in black zipper pouch



MPC7A



MPS7A



MPK4A

⚠WARNING

- Do not store butane at temperature over 120 °F
- Transport and dispose of butane in accordance with all regulations
- Read safety precautions on pages W1 to W4

WELDING ACCESSORIES



YA4601



YA4602



YA4603



YA4604



YA4606



YA4607



YA4608



YA4609

Welding Helmets (Auto Darkening)

Auto darkening welding helmets are triggered automatically by UV light sources. Some models have adjustable sensitivity for various light conditions and an adjustable delay setting to maintain dark state for extended periods of time. Fixed shade helmets offer a fixed #10 shade triggered automatically by UV light. Clear shade provides operator visibility to line up work prior to welding.

Specifications	YA4601†	YA4602*†	YA4603*†	YA4604†	YA4606†	YA4607	YA4608	YA4609
Shade	#9–13	#9–13	#10	#9–13	#9–13	#6–13	Adjustable	Adjustable w/ Grind Lockout
Sensitivity	Adjustable	Adjustable	Fixed	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable
Delay	Adjustable	Fixed	Fixed	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable
Clear Shade	#3.5	#3.5	#3	#3.5	#3.5	#3.5	—	—
Viewing Area (in)	3.81 x 2.40	3.81 x 1.88	3.81 x 1.38	3.81 x 2.40	3.74 x 3.35	3.74 x 3.35	3.82 x 2.44	3.74 x 3.35
Viewing Area (square in)	9.14	7.16	5.26	9.14	12.53	12.53	9.32	12.53
Number of Sensors	4	2	2	4	4	4	4	4
Delay Time (s)	0.2–1.0	0.1–1.0	0.25–0.045	0.1–1.0	0.1–1.0	0.1–1.0	—	—
Switching Speed (ms)	0.04	0.04	0.04	0.04	0.4	0.4	—	—
Power Supply	Solar-Lithium	Solar	Solar	Solar-Lithium	Solar-Lithium	Solar-Lithium	Solar-Lithium	Solar-Lithium
Applicable Standards	ANSI®, CE, DIN, EN, CSA, AS/NZS	*ANSI*, CE, DIN, EN, CSA, AS/NZS	*ANSI*, CE, DIN, EN, CSA, AS/NZS	*ANSI*, CE, DIN, EN, CSA, AS/NZS	*ANSI*, CE, DIN, EN, CSA, AS/NZS	*ANSI*, CE, DIN, EN, CSA, AS/NZS	*ANSI*, CE, DIN, EN, CSA, AS/NZS	*ANSI*, CE, DIN, EN
Opt. Magnifying Lens 1.5x/2.0x	YA4600MAGKT	YA4600MAGKT	YA4600MAGKT	YA4600MAGKT	YA4600MAGKT	YA4600MAGKT	YA4600MAGKT	YA4600MAGKT
Warranty	2 Years	1 Year	1 Year	2 Years	2 Years	2 Years	3 Years	2 Years

*Blue-Point®
†CE



EFPGREENSKL



EFPBLACKICE



EFP2CAMO



EFP2MORBID



EFP2PREDATOR

Welding Helmets (Auto Darkening) Con't

Specifications	EFPGREENSKL	EFPBLACKICE	EFP2CAMO	EFP2MORBID	EFP2PREDATOR
Shade	#9–13	#9–13	#9–13	#9–13	#9–13
Sensitivity	Yes	Yes	Yes	Yes	Yes
Delay	Yes	Yes	Yes	Yes	Yes
Clear Shade	4	4	4	4	4
Viewing Area (in)	3.62 x 1.42	3.62 x 1.42	3.82 x 1.85	3.82 x 1.85	3.82 x 1.85
Viewing Area (square in)	23	23	40	40	40
Number of Sensors	2	2	4	4	4
Delay Time (s)	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable
Switching Speed (ms)	.3	.3	.08	.08	.08
Power Supply	CR2450 Replaceable	CR2450 Replaceable	Lithium Ion (Auto On/Off)	Lithium Ion (Auto On/Off)	Lithium Ion (Auto On/Off)
Applicable Standards	CE, CSA, ANSI®	CE, CSA, *ANSI*	CE, CSA, *ANSI*	CE, CSA, *ANSI*	CE, CSA, *ANSI*
Opt. Magnifying Lens	1.0, 1.5, 2.0	1.0, 1.5, 2.0	1.0, 1.5, 2.0	1.0, 1.5, 2.0	1.0, 1.5, 2.0
Warranty	2 Years (ADF) 1 Year (all others)	2 Years (ADF) 1 Year (all others)	2 Years (ADF) 1 Year (all others)	2 Years (ADF) 1 Year (all others)	2 Years (ADF) 1 Year (all others)



EFPBONEHEDB



EFPSTRIKERB



EFPJURASSIC



EFPOLEGLORY



EFPHANNIBALB



EFPNITESTLKRB

Welding Helmets (Fixed Shade)

Fixed shade welding helmets offer shade #10 protection.
Hinged mask can be adjusted for hands-free drop down.

Specifications	EFPBONEHEDB	EFPSTRIKERB	EFPJURASSIC	EFPOLEGLORY	EFPHANNIBALB	EFPNSTLKRB
Lens Style	180° Peripheral	180° Peripheral	180° Peripheral	180° Peripheral	180° Peripheral	180° Peripheral
Shade	#10	#10	#10	#10	#10	#10
Viewing Area (in)	—	—	—	—	4.25 x 2.0	—
Viewing Area (square in)	35.6	35.6	35.6	35.6	8.5	35.6
Applicable Standards	*ANSI*	*ANSI*	*ANSI*	*ANSI*	*ANSI*	*ANSI*
Lens (included)	EFPCLLENSREP	EFPCLLENSREP	EFPCLLENSREP	EFPCLLENSREP	EFP10WLDLENS, EFPCLLENSREP	EFPCLLENSREP
Opt. Magnifying Lens 1.5x	—	—	—	—	—	—
Opt. Magnifying Lens 2.0x	—	—	—	—	—	—
Opt. Auto Darkening Lens	EFPADFLENSA	EFPADFLENSA	EFPADFLENSA	EFPADFLENSA	EFPADFLENSA	EFPADFLENSA
Warranty	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year

†CE

⚠WARNING

- Wear welding helmet and protective clothing while welding and cutting
- Do not allow bystanders while welding and cutting
- Read safety precautions on pages W1 to W4

WELDING ACCESSORIES



KRBC60T



MIGCARTA

Welding Carts

KRBC60T Welding Cart

- 3/8" plate steel work surface
- Four dual-purpose mounting locations serve as accessory mount and wand holder
- HD textured black matte finish
- Large locking compartment stores two welders
- Slots-n-dots™ rear panel accommodates many accessories
- Three drawers with liners and high quality roller bearing slides
- Three large cord hooks included – extra hook kits available
- 50 3/4" W x 25 3/4" D x 37 1/2" H
- 1,000 lb load capacity

MIGCARTA Welder and Plasma Cutter Cart (Blue-Point®)

- 21" L x 14.5" W top tray for storage of MIG welders and plasma cutters
- Includes multiposition cylinder bracket for various bottle sizes
- Includes two hooks for cable storage



YA247



EFPADFLENSA

YA247 Welder's Marking Set

Includes:

- YA247-2 Soapstone marker for making temporary markings
- YA247 Scribe with a sharp, tough carbide tip for making permanent markings
- Replaceable soapstone
- Each tool has a tough aluminum barrel
- Soapstone marker includes built-in sharpener
- Convenient storage pouch

YA247-1 Scribe

YA247-2 Soapstone Marker

EFP Series Welding Lenses

Optional auto darkening lens available for all EFP series helmets

The World's first and ONLY unobstructed ADF integrated, 180° degree peripheral vision ADF welding lens. Has a military grade anti-scratch coating to help prevent scratching. ADF Lens is easily replaced.
Viewing Area: 4.25" L x 2.0" W
Power Supply: Solar Lithium Combo
One-Year Warranty

EFP3WLDLENS #3 Welding Lens
EFP5WLDLENS #5 Welding Lens
EFP8WLDLENS #8 Welding Lens
EFP10WLDLENS #10 Welding Lens
EFP12WLDLENS #12 Welding Lens
EFPADFLENSA Auto Darkening Lens



YA4600MAGKT

Welding Lenses

YA4600MAGKT Magnifying Lens Kit

- Comes complete with 1.5x and 2.0x magnifying lenses and lens holder
- Optional accessory provides additional magnification for YA4601, YA4602, YA4603, YA4604 and YA4606 welding helmets only
- CE



WCH3

Welding Hammer

WCH3 Welder's Chipping Hammer

- Features pick end and 3/4" chisel head end
- Heat treated high alloy steel for long life
- Overall length is 11"
- Head length is 7 1/2"

WELDING CLAMPS

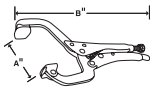


CL402A

C-Clamps

- Equipped with antis-patter spindles, precision cut from hardened steel
- Forged frames have extra deep throats for additional strength and work capacity
- Grooved anvil, in combination with a serrated pad, provides nonslip grip on various metal surfaces
- Spindles, handles and pads are copper plated to avoid collecting spatter

Stock No.	Capacity, inches	Throat Depth, inches
CL402A	0–2	2
CL403A	0–3	2 1/2
CL404A	0–4	2 7/8
CL406A	0–6	3 5/8
CL408A	0–8	4 1/2
CL410A	2–10	5 5/8
CL412A	2–12	5 3/4





Large Jaw

VGP12212

- Multipurpose tool with larger jaw capacity for general maintenance and screw-in oil filter removal

Stock No.	A inch (mm)	B inch (mm)
VGP12212	3 15/16 (100)	12 (300)



VGP12412

Locking C-Clamps/Standard Tip

- Quick and easy handling clamps for auto body and metal fabrication applications

Stock No.	A inch (mm)	B inch (mm)
VGP12406	2 5/16 (60)	6 (152.4)
VGP12412	3 15/16 (100)	12 (304.7)
VGP12418	10 1/4 (260)	18 (457.2)
VGP12424	15 11/16 (400)	24 (609.6)



VGP22418

Locking C-Clamps/Swivel Tip

Stock No.	A inch (mm)	B inch (mm)
VGP22406	1 5/16 (50)	6 (152.4)
VGP22412	3 15/16 (100)	12 (304.7)
VGP22418	9 7/16 (240)	18 (457.2)
VGP22424	15 11/16 (400)	24 (609.6)



VGP12509

VGP12509 Locking U-Clamps

- U-shaped jaws allow access and visibility when welding



VGP12808

VGP12808 Locking Clamps/Sheet Metal

- Wide jaws allow clamping, bending, forming and crimping of sheet metal without gripping effort

Auto Body/Welding Sets

VGP104 Autobody/Welding Locking Pliers Set

- Includes VGP23312 self-leveling jaws pliers, VGP13709 plugweld pliers plus VGP14412 and VGP12406 c-clamp pliers (4pc) in VGP1041 kit bag



High Visibility C-Clamps

CL408VIS

- Similar to CL series C-clamps
- High visibility models conform to OSHA safety color standard for physical hazards regulation #19110.144
- 3/4" spindle diameter

Stock No.	Capacity, inches	Throat Depth, inches
CL404VIS	0–4 1/2	3 1/4
CL406VIS	0–6 1/16	3 5/8
CL408VIS	0-–8 1/4	5



VGP13420

VGP13420 Locking C-Clamps/Long Reach

- Wide profile with perforated jaws allows clamping around large objects with uniform tension distribution



VGP14412

VGP14412 Locking C-Clamps/Aluminum Alloy

- Lightweight aluminum jaw will not bend or distort body panels
- Welding pellets will not adhere to jaw



VGP23312

VGP23312 Locking Clamps/Self Leveling Jaws

- Swivel pads and narrow jaw profile firmly grip tapered surfaces in areas where c-clamps cannot fit



VGP13709

VGP13709 Locking Pliers/Plugweld

- Copper alloy knurled pad prevents burn-thru when plug welding thin sheet metal



MG2000K

Welding Clamps/Miniature

- Micro size for optimal access into confined spaces
- Aluminum alloy body ensures robustness with minimal weight while resisting splatter and corrosion
- Design permits exertion of 1/2 ton of force without deformation
- Perforated jaw allows attachment to fixtures and connection of ground cables
- One-handed “no pinch” clamping and release

MG2000K Micro Grip Locking Clamp Set

- Includes four micro grip clamps

WARNING
• Wear welding helmet and protective clothing while welding and cutting
• Do not allow bystanders while welding and cutting
• Read safety precautions on pages W1 to W4

SPOT WELDERS



YA22300A

YA22300A Standard Duty Spot Welder
- Produces spot welds for collision repair
- Squeeze type action produces factory style welds
- Optional accessories can increase welding capability

YA223001 Welding Tip
- Long spot welding tip for YA22300A

YA223002 Welding Tip
- Short spot welding tip for YA22300A

YA223003 Welding Tip
- Replacement drip rail welding tip for the YA223004 welding cable assembly

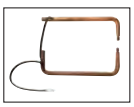
YA223004A Welding Cable Assembly
- Accessory welding cable assembly for the YA22300A
- Allows welding from a single side such as door skins and other applications

YA223005A Dent Puller Kit
- Fast, effective dent repair without drilling holes or using draw pins

YA223006 Welding Tip
- Replacement welding tip for the YA223004 welding cable assembly

YA223009 Welding Tip
- Drip rail spot welding tip for YA22300A

YA22357 Trigger Switch
- Replacement switch



Long Reach Electrode



Wheelhouse Electrode



YA22355

YA22355 Heavy Duty Liquid Cooled Spot Welder
- Designed to produce factory type spot welds in collision repair
- Squeeze type action produces factory style welds
- Pneumatic gun welds through primers, sealers and adhesives
- Features coolant circulation throughout the welding tips for consistent weld penetration
- Included accessories: 14" long reach electrode and wheelhouse electrode

YA26143 Long Reach Wheelhouse Replacement Tips

YA26144 Standard Wheelhouse Replacement Tips

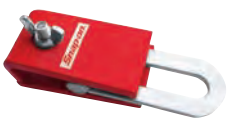
YA2097335 J-Shaped Wheelhouse Replacement Tips

Specifications	Primary Voltage	Line Fuse	Maximum Output	Maximum Thickness	Coated Metal Capability	Kva Rating	Shipping Weight, lb
YA22355	208/230V AC	60A	6000 Amps	3 pcs. 20 ga.	Yes	6	300
YA22300A	208/230V AC	50A	2800 Amps	2 pcs. 20 ga.	No	4	120

DENT PULLERS/ACCESSORIES



YA22345KT



YA223453

Stud Gun Dent Pullers

YA22345KT Stud Gun Dent Puller Kit
- Kit includes stud gun, welding tips, slide hammer and T-puller
- Used to pull dents by welding pins to work piece
- Stud gun uses minimal heat to reduce burn through

YA22345 Stud Gun

YA223451 Draw Pins (2 mm)
- Soft for easy flexing and grinding
- Delivers 500 lb pull
- Pack of 500

YA223452 Draw Pins (2.5 mm)
- Soft for easy flexing and grinding
- Delivers 500 lb pull
- Pack of 500

YA223454 T-Puller
- Compact for small damage repair on lightweight metal
- Helps reduce overpull

YA223453 Magna Clamp
- Features wing nut and is self- tightening
- Locks onto draw pins for pulling dents

YA223455 Slide Hammer
- Polished steel bar with rubber handle ensures positive pulling action

YA223456 Shrinking Electrode
- Provides fast heat

YA223457 Pin Electrode
- Holds all standard size pins

YA223458 Trim Rivets
- Used to repair metal trim strips
- Weld onto panel and provide permanent retention to trim strip
- Pack of 500

YA223459 Rivet Electrode
- For use with YA223458 trim rivets
- Retains trim rivet for welding



YA22375



YA22350C

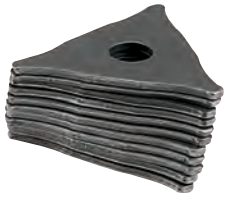
Portable Dent Pulling System

- Easily pulls dents on roofs, hoods and side panels
- Star tip design eliminates the need to drill holes or cut pin heads
- Built-in slide hammer speeds up the pulling process (YAH22350C only)

Specifications	Type	Primary Voltage	Line Fuse	Power Input Cable, ft (m)	Power Lead Length, ft	Ground Cable Length, ft	Shipping Weight, lb
YA22350C	Star Tip	120V AC, 50/60 Hz	30A	25 (7.6)	7	7	64
YA22375	T-handle	120V AC, 50/60 Hz	30A	25 (7.6)	10	7	64
YAH22350C	Star Tip	208/230V AC, 50/60 Hz	30A	25 (7.6)	7	7	64
YAH22375	T-handle	208/230V AC, 50/60 Hz	30A	25 (7.6)	7	7	64



YA2235CART



YA2355



YA2352



YA2358

Portable Dent Puller Accessories

YA2235CART Accessory Cart
Adds additional height and portability

YA2355 Star Tips
Replacement tips (10 ea.) for the YA22350C, YAH22350C and YA223005

YA2351 Welding Tip
Optional long stud welding tip

YA2352 Welding Tip
Optional molding rivet welding tip

YA2353 Heating Tip
Replacement heat shrink heating tip

YA2358 Magnetic Base
Replacement magnetic ground clamp

YA22357 Trigger Switch
Replacement switch

YA223008 Pry Bar
Replacement pry bar for YA22375 and AH22375, optional for YA22350C and YAH22350C

Quick Claw Dent Puller Set

YA22351 Quick Claw Dent Pulling Set

- Used with YA22350C, YAH22350C, YA22375 and YAH22375
- Used to establish multiple pull points along dents
- Independent finger action of claw varies the pulling force at multiple points
- Can pull by hand, slide hammer or chain
- Comes with claw, two tips and 24 wires

YA22352 Claw Handle
Four-finger "claw" pulling handle. One included in set

YA22353 Welder Tips
Welding tips for YA22354 welding wires. Two included in set

YA22354 Weld Wires
1/2 lb welding wires. 24 included in set



YA22351

⚠WARNING

- Wear welding helmet and protective clothing while welding and cutting
- Do not allow bystanders while welding and cutting
- Read saftey precautions on pages W1 to W4

KEEP YOUR GARAGE RUNNING LIKE A WELL-OILED MACHINE.

Be prepared for any vehicle that comes your way. Snap-on provides the tools and equipment you need to work efficiently and always get the job done like a pro. Whether you're adding services or upgrading equipment, we've got the high-quality tools and equipment you need.

Service your customers wide array of needs with *Snap-on* Tire Changers and Wheel Balancers. Add the Tire Pressure Monitoring tool and related accessories to the mix to better service your customers' critical systems.

With quality-built service tools like torque sticks and lug nut sockets, any tech can handle the job with speed and accuracy. And the Snap-on® Ball Joint Press will allow you to remove and install ball joints with ease, so you're not wasting any time.



Snap-on® Wheel Balancers use a patented Virtual Plane Measurement system to achieve accuracy and repeatability. A variety of weight placement options such as Static, Dynamic, five ALU modes, ALU-S, hidden spoke and match mounting optimization modes provide the versatility for these balancers in a variety of applications on passenger cars, light trucks and commercial vehicles.

Wheel Balancers



EEWB330A



EEWB331A



EEWB332A

- Features static and dynamic balancing modes
- Five ALU modes to place weights in proper location on multiple wheel configurations
- Input of rim distance and diameter by SAPE arm for accelerated setup time
- ALU-S modes allows exact weight placement on rim when using tape weights
- Weight minimization and balancing optimization modes for reducing the overall weight usage
- Spoke mode to hide weights behind spokes
- Stadium weight tray is curved to access weight pockets easily
- Quick clamp speed nut with release to reduce removal time
- Multiple operator feature allows several users to quickly recall settings
- Sonar sensor automatically calculates rim width (EEWB332A)

Specifications	EEWB330A	EEWB331A	EEWB332A
Operation	Hand spin	Motorized	Motorized
Accuracy, oz (grams)	0.10 (2)	0.10 (2)	0.10 (2)
Rim Diameter, inches (mm)	8–30 (203–762)	8–30 (203–762)	8–30 (203–762)
Rim Width, inches (mm)	3–20 (76–508)	3–20 (76–508)	3–20 (76–508)
Maximum Tire Diameter, inches (mm)	42 (1067)	42 (1067)	42 (1067)
Maximum Wheel Width, inches (mm)	20 (508)	20 (508)	20 (508)
Maximum Tire/Wheel Weight, lb (kg)	120 (54)	120 (54)	154 (69)
Shaft Speed at Calculation, RPM	100	200	200
Cycle Time, seconds	6–10	6–8	6–8
Electrical Requirements	115V AC, 1 phase, 60 Hz, 2A	115V AC, 1 phase, 60 Hz, 6A	115V AC, 1 phase, 60 Hz, 6A
Shipping Weight, lb (kg)	224 (102)	280 (127)	366 (166)
Required Floor Space	52" W x 48" D	60" W x 48" D	60" W x 48" D

EEWB330A Hand Spin Wheel Balancer
- Small footprint handspin wheel balancer with features of most high-end machines

EEWB331A Motorized Wheel Balancer
- Small footprint motorized wheel balancer with features of most high-end machines

EEWB332A Motorized Wheel Balancer with Raised Display
- Medium footprint motorized wheel balancer with a high-end feature set with faster throughput times

Standard Accessories – 40 mm Shaft

Stock No.	Description	Stock No.	Description
EAM0003J05A	EAM0003D23A Cone, 40–76mm/1.6"–3.0"	EAC0058D15A	Rubber Protector
EAM0003J06A	EAM0005D24A Cone, 71–99mm/2.8"–3.9"	EAM0021D90A	Stub Shaft 40 mm
EAM0003J07A	EAM0005D25A Cone, 96–114mm/3.8"–4.5"	WWPR13A	Wheel Weight Pliers
EAM0003J08A	EAM0003J69A Cone, 87–137mm/3.4"–5.4"	EAA0247G21A	Rim Width Caliper
EAA0263G66A	Quick Nut 40 mm	EAA0346J75A	Optional 1" Extension Flange
EAC0058D08A	Pressure Disk	EAA0346J76A	Optional 2" Extension Flange

TECHNICAL SUPPORT 1-800-225-5786

⚠WARNING
• Read and follow all safety messages and instructions
• Read safety precautions on pages W1 to W4

WHEEL BALANCING: MOTORCYCLE WHEEL BALANCER AND TIRE CHANGER



EEWB333A



EEWH310B

Hand Spin Wheel Balancer

Specifications	EEWB333A
Accuracy, oz	0.25
Cycle Time (seconds)	6–10
Shaft Measuring Speed	100
Shaft Capacity, lb	70
Rim Diameter Range, inches	8–30
Rim Width Range, inches	3–20
Tire Diameter, inches	42
Rim Width Range, inches	3–20
Electrical Requirements	115V AC, 1ph, 60Hz, 2A
Machine Weight, lb (kg)	174

EEWB333A Motorcycle Wheel Balancer

- Quickly, easily and accurately balance motorcycle tire and wheel assemblies
- Handspin operation features static and dynamic balancing modes
- Features five ALU modes to place weights in proper location on multiple wheel configurations
- Split weight mode to hide weights behind spokes
- Stadium weight tray is curved to access keypad and weight pockets easily
- Multiple operator feature allows several users to quickly recall settings
- Virtual plane imaging technology for unsurpassed accuracy

Motorcycle Tire Changer

Stock No.	EEWH310B
Outside Clamping Range, inches	8–21†
Inside Clamping Range, inches	12–20
Rim Width, max. inches	13†
Tire Diameter, max. inches	40
Tire Width, max. inches	10/13*
Bead Breaking Width, max. inches	13
Bead Breaking Force, lb @ 150 PSI	3,300
Air Requirement, PSI	140–170 PSI @ 8.5 CFM
Voltage Requirements	120V 60Hz, 20A
Net Weight, lb	306
Overall Dimensions, inches	67 x 30 x 28

†10"–18" car, 8"–15" scooter, 15"–21" motorcycle
*13" car, 10" motorcycle

TECHNICAL SUPPORT 1-800-225-5786

EEWH310B Motorcycle Tire Changer

- Configured to change tires on most motorcycle wheels
- Raised clamping jaws to allow for hub clearance
- Optional safety restraint arm EAA0270J11A provides additional tire/wheel retention when seating beads

EAA0255J33A 40 mm Shaft Upgrade Kit

- Optional kit contains cones, 40 mm shaft, quick nut and pressure disk to convert the EEWB333A to balance automotive tire and wheel assemblies

Balancer Pin Plate Sets

- Pin plate kits are a system of plates and studs to center and load the wheel at the lug-stud holds
- Mirrors mounting wheel to the vehicle's hub and minimizes imbalance errors
- Avoids damage to plastic-clad wheels by avoiding contact with the outer surface of the wheel face
- Applies even pressure to lug-stud surfaces and locates the wheel on center of balancer shaft
- Avoids misalignment by improper and inconsistent mounting on the balancer
- When mounted, the plate and stud system places an even clamping force on the rim and centers the assembly on the balancer

Stock No.	Description	EEWB3-1A
EEWB3-11A	Adaptor Plate #1	•
EEWB3-120A	Adaptor Plate #2	•
EEWB3-13A	Adaptor Plate #3	•
EEWB3-140A	Adaptor Plate #4	•
EEWB3-02A	Style B Stud	8X
EEWB3-03A	Style C Stud	6X
EEWB3-050A	Style E Stud	8X

TECHNICAL SUPPORT 1-888-621-8767



EEWB3-1A, EEWB3-4, EAK0309J20A

EEWB3-055 Extra Long E-Stud
- Additional length for E style custom wheels

EEWB3-5 Balancer Flange Spacer
- Provides added clearance for larger cones and collets
- Use with EEWB3-4 collet set

EEWB3-4 Collet Set, 9pc
- Precision-machined and sized collets fit perfectly into the rear pilot center of plastic-clad wheels
- Collets are shallow in length, not to interfere with the plastic tabs
- Recommended to be used in conjunction with a pin plate on the wheel's outer side

EAK0309J20A Storage Stand
Storage stand for the plates and pins in the EEWB3-1A.

EEWB3-6 Balancer Plate Pin Kit
- Fits a variety of trucks such as Ford® F350®, F450® and F550® as well as GM®, GMC®, Isuzu®, Mitsubishi® Fuso® and Dodge® Sprinter®
- Some applications may require EEWB3-11A Adaptor Plate #1 (sold separately)

EAA0255J33A 40 mm Shaft Upgrade Kit
- Converts older Snap-on® balancers with 28.5 mm shaft to 40 mm (EEWB304A and B, EEWB305A and B)

EEWB3-75 Truck Step Cone Kit
- Contains two cones and back-up disk for trucks
- Cone #1 is 6.190"-6.972" (157–77 mm)
- Cone #2 is 5.059"-5.683" (128–143 mm)
- Use only on vehicles that center the wheel on the hub and not studs



KRD401A



WWPR13A



WWH13LG



WWH13SM

Wheel Balancing Accessories

KRD401A Wheel Weight Cabinet
- Storage for a wide assortment of wheel weights
- 36 compartments, each measuring 3 7/8" x 3 7/8"

WWPR13A Right Angle Wheel Weight Pliers
- Easily removes and replaces wheel weights as well as cutting and crimping
- Made of heat-strengthened steel
- Comfortable vinyl handle grips and replaceable hard plastic hammer tip

WWPR13-3 Replacement Hammer Tip
- For WWPR13A

WWH13LG Wheel Weight Hammer (Blue-Point®)
- Designed for use on steel and zinc clip-on wheel weights
- Soft hammer face to avoid scratches and dings
- Solid Nuplaglas® handle resists most shop chemicals and has a nonslip grip
- Replaceable cold rolled steel hook assembly to ensure long service life
- Works best on US brands that use traditional dimension dismounting holes

WWH13SM Wheel Weight Hammer *(Blue-Point)*
- Designed for use on steel and zinc clip-on wheel weights
- Soft hammer face to avoid scratches and dings
- Solid *Nuplaglas* handle resists most shop chemicals and has a nonslip grip
- Replaceable cold rolled steel hook assembly to ensure long service life
- Specially designed small diameter dismounting hook is used on wheel weights with smaller dimension dismount holes

WARNING
• Read and follow all safety messages and instructions
• Read safety precautions on pages W1 to W4

TIRE CHANGERS

Snap-on® Tire Changers come in a variety of models to fit each individual shop's needs. The Tilt-Back Tire Changer handles a variety of tire sizes and configurations, with a tower that tilts back to allow for wider tire and wheel assemblies and features a Pneumatic Bead Assist arm to assist the operator when mounting low profile tires. The Swing Arm Tire Changer has basic features for a shop that is new in the tire business or as an additional unit in a high-volume shop.



EEWH312A



EEWH311B



EEWH326A

Common to EEWH326A:
- Two-Speed turntable offers a forward speed of 14 RPM to provide faster throughput when mounting initial bead and 7 RPM for precise speed control
- Integrated laser guided mount/dismount head precisely locates the edge of the wheel minimizing damage

Common to EEWH311B and EEWH326A:
- Tilt-Back design speeds setup and allows for a 15" tire and rim clearance
- Pneumatic Bead Assist provides user with additional capability when servicing low-profile tires with stiff sidewalls
- Pneumatic cylinder raises and lowers each of the specialized tools into place
- Bead Depressor pushes tire sidewall into the drop center and follows the tire as the turntable rotates for easier mounting
- Top Roller also helps keep the bead in drop center
- Top Roller allows user to lubricate top bead prior to dismounting tire
- Wheel Depressor applies downward pressure during initial clamping
- Power Lifting Disc lifts tire off the lower bead of rim to aid user during the dismount process

Common to all models (EEWH326A, EEWH311B and EEWH312A):
- Three-position bead breaker covers multiple applications such as SUVs and light trucks that have taller sidewalls
- Bead seating jets are integrated into clamping jaws and force additional air into tire during inflation
- Plastic protection on mount/dismount head and clamping jaws prevents accidental rim damage
- Surge tank delivers additional air during the bead seating process
- Air lubricator and regulator supports corrosion protection for rust-proof air cylinders and valves
- High-torque 1 HP turntable motor minimizes turntable stalling
- Dual clamping cylinders provide even clamping force on jaws to reduce wheel slippage
- Two-year warranty and five years on transmission

Type	EEWH312A	EEWH311B	EEWH326A
Pneumatic Bead Assist	Optional	Standard	Standard
Turntable Speed (RPM)	7CW/7CCW	7CW/7CCW	7+14CW/7CCW
Outside Clamping Range (in)	10–20	10–24	10–28
Inside Clamping Range (in)	12–22	12–24	12–24
Rim Width (max, in)	12	15	15
Tire Diameter (max, in)	40	40	40
Tire Width (max, in)	13	15	15
Bead Breaking Force (lb @ 150 PSI)	3300	3300	3300
Air Requirements (PSI)	140–170 @ 8.5 cfm	140–170 @ 8.5 cfm	140–170 psi @ 8.5 cfm
Voltage Requirements	115V 60Hz, 1ph 20A	115V 60Hz, 1ph 20A	230V, 60Hz, 1 phase, 12A
Net Weight, lb (kg)	442	750	766 (347)
Overall Height x Width x Depth (in)	68 x 41 x 49	69 x 41 x 55	69 x 41 x 55

TECHNICAL SUPPORT 1-800-225-5786

Tire Changer Accessories

	Stock No.	Description	EEWH312A	EEWH311B	EEWH326A
	EAA0351G94A	8" ATV Adaptors (4 each)	opt	—	—
	EAA0351G93A	6" Clamping Adaptors (4 each)	opt	—	—
	EAA0351G92A	Motorcycle Adaptors (4 each)	opt	—	—
	EAA0329G53A	8"–24" Motorcycle/ATV Adaptors (4 each)	—	opt	opt
	EAA0328G91A	4" Clamping Adaptors (4 each, use with EAA0304G80A)	—	opt	std
	EAA0304G80A	4" Offset Mount/Dismount Head	—	opt	std
	EAA0247G20A	Composite Mount/Demount Head	opt	opt	opt
	EAA0247G15A	Protective Insert for Mount/Dismount Head (10 each)	std	std	std
	EAA0351G90A	Jaw Protectors, covers jaw – Long (4 each)	opt	—	—
	ST4027645	Jaw Protector, covers jaw (4 each)	—	opt	opt
	EAC0087G48A	Jaw Protector, original replacement (1 each)	—	std	std
	5-14126A	Paste Brush	std	std	std
	8-03229A	Paste Bucket	std	std	std
	EAA0247G04A	Protective Cover (for tire lever EAA0247G02A)	opt	opt	opt
	EAA0304G14A	Wave Tire Tool	opt	opt	opt
	EAA0247G14A	Motorcycle Bead Breaker Blade	opt	opt	opt
	EAA0304G15A	Protective Cover for Bead Breaker Shovel	opt	opt	opt
	EAA0270J11A	Safety Restraint Arm	opt	—	—
	EAA0304G72A	Safety Restraint Arm	—	opt	opt
	EAA0329G33B	Pneumatic Bead Assist	opt	—	—

EEWH315A High Performance Tire Changer (Air Deluxe)
- Air motor driven turntable and swing arm style
- Outside clamping range 10"–24"
- Maximum rim width 13"
- Includes pneumatic bead assist

⚠WARNING
• Read and follow all safety messages and instructions
• Read safety precautions on pages W1 to W4

TIRE AND WHEEL: TIRE PRESSURE MONITORING SYSTEM

Snap-on® Tire Pressure Monitoring tools work with most foreign and US systems that are both direct and indirect. Whether it is an automotive repair shop, tire store, body shop, fleet repair facility or lube bay, these TPM tools are essential to servicing the customer's needs.



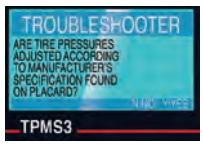
TPMS3



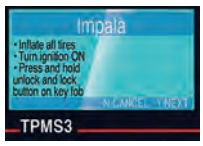
TPMS3-2



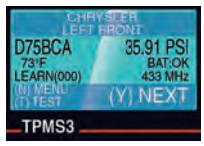
TPMS3-3



Troubleshooter quickly diagnoses TPM Systems



Vehicle-specific relearn procedures



TPM Sensor Information Display

TPMS Testers

TPMS3 Tire Pressure Sensor System Tool Kit

- Test TPM Sensors: Diagnose sensors and determine whether or not a replacement is needed. Also captures sensor data and displays PSI, ID, temperature and battery status
- Print Sensor Information: Allows user to print sensor information using WebTPM software (included) and PC
- Relearn TPM Vehicle Systems: Provides vehicle-specific reset procedures when vehicle tires have been rotated
- Sensor Replacements: Features vehicle-specific prompts that guide the TPM system relearn following sensor replacement
- Tire Rotations: Provides quick registration of new sensor locations after tire rotation
- Tests key FOBs for proper signal strength and battery condition
- Includes replacement TPM sensor part number lookup for OEM and aftermarket sensors
- Complete with docking/charging station
- Built-in Lithium Ion rechargeable battery

Software Updates

- TPMS3 includes webTPM portal that installs on PC or laptop and administers software updates
- Registration of tool through webTPM provides 12 months of access to new software updates as they become available
- After the first 12 months, TPMS3U update will allow software updates and additional 12-month time period
- Additional functionality of webTPM includes Print Sensor Information and the ability to add optional software such as TPMS3PRG Programmable Sensor add-on pack

TPMS3-2 OBDII Connector

TPMS3-3 Magnet

TPMS3-4 USB Cable



TPMS3BOX

TPMS3U TPMS3 Software Update

- Up to and including the currrent model year vehicle coverage: sensor testing, relearn procedures and ECU Sensor ID registration
- Troubleshooter menu option assists technician diagnosing the TPM system
- Improved menu navigation with guided symptom-based TPM sensor tests and system relearn procedure
- Added ECU unlock for *Toyota*, *Lexus* and *Scion* vehicles that have a TPMS dash-reset button
- Part number lookup for OEM and aftermarket sensors
- Software purchase allows user to access new updates for a period of 12 months

TPMS3PRG Programmable Sensor Add-on Package

- Use the TPMS3 to program aftermarket Tire Pressure Monitoring System (TPMS) programmable sensors
- Replace a sensor with low battery life or one that is non-functioning
- Reduce sensor inventory costs – one sensor covers multiple vehicle applications
- Use to install a duplicate set of sensors in a summer/winter set of tires
- Kit consists of a 2GB Micro SD card along with registration certificate
- Registration certificate contains a code that is entered into webTPM and allows access to sensor programming functionality
- Requires TPMS3 software version CS2-02 or newer to install TPMS3PRG
- TPMS3PRG is a one-time activation to program aftermarket TPM sensors

The TPMS3PRG works with the sensor types listed below: EZ-sensor® , Alligator sens.it®, NAPA® Echlin® Clone-able, Standard® Clone-able, Intermotor® Clone-able, Dorman® DiRECT-FIT™, OEC ID Copy (Orange)

TECHNICAL SUPPORT 1-888-621-8767

TPMS Tools

TPMS3BOX TPMS Sensor Bench Tester

- Tests TPMS sensors without having to mount in a tire/wheel assembly
- Pressurizes sensor to simulate actual conditions
- Used with Tire Pressure Monitoring System Tools
- Saves time in mounting/dismounting tire



TPMS2

TPMS Testers

TPMS2 Tire Pressure Monitor Tool

- Simple to use activation and resetting of TPM sensors and systems
- Vehicle selection interface quickly configures the TPMS2 for fast sensor activation and testing
- Interactive PC Software included to display vehicle specific TPMS service procedures and sensor specific information
- Wireless communication capability via Bluetooth® technology between the TPMS2 and PC for information transfer or with supplied USB cable
- Kit includes TPMS2 Tool, PC software and USB Cable Note: Requires *Bluetooth*-capable PC for wireless communication

TPMS2U TPMS2 Software Update

- Provides 6 months access to update TPMS2

TECHNICAL SUPPORT 1-888-498-7671



TPMS2-5

TPMS Testers

TPMS2EZ EZ-Sensor® Programming Module Update Kit

- Provides the ability to program *EZ-Sensor* using TPMS2

TPMS2-5 TPMS2 Charging Station

- Charges TPMS2 when not in use



QDTPMS

TPMS Tools

QDTPMS Valve Core Torque Tool

- Specifically designed to be used as a core remover and precise installer for TPMS tire valve to eliminate risk of damaging expensive TPMS sensors
- Preset to 4 in-lb to prevent over- or under-torquing
- Preset torque setting also helps prevent valve core leaks that lead to low tire pressure and TPMS alerts



VSC4KT

VSC4KT TPMS Valve Stem Cap Set

- Quickly evacuate air without removing valve cores
- Replace a standard sized valve cap with this tool, will depress the valve stem for rapid deflation
- Return your wheels to the original position without resetting the TPMS
- Caps are clearly marked for easy identification for the reinstall
- Blue anodizing makes caps easily visible on most rims or tires
- Knurling provides sure grip even in greasy situations
- Back side of the tool allows for valve cap storage while the tools are in use
- Vinyl holder included to keep valve stem caps together when not in use
- Kit includes VSC4KT-1, VSC4KT-2, VSC4KT-3 and VSC4KT-4 Valve Stem Caps

WARNING • Read safety precautions on pages W1 to W4

TIRE AND WHEEL: TIRE PRESSURE GAUGES



TGIFS1



TIF160



TPGDL1000B



TPGIF1600A



TIFHD160

Inflators

TGIFS1 Tire Gauge Inflator
- Snap-on® exclusive design
- Heavy duty billet machined aluminum body
- Dual swivel point hose for ease of use
- 20–160 PSI range
- Modular design for easy replacement of worn parts
- Double sealed scale avoids contamination from air supply
- ±1% accuracy

TIF160 Tire Pressure Gauge/Inflator
- 1% accuracy allows for use on vehicles equipped with TPMS sensors
- Shorter hose and body length make this gauge ideal for use on cars and light trucks
- Rugged dial and plunger style mechanism preserve gauge accuracy when dropped
- Stainless-steel braided hose
- 6–160 PSI, 60–1100 kPa
- Lifetime warranty

TPGDL1000B Digital Tire Pressure Gauge/Inflator (Blue-Point®)
- Reads in 0.1 PSI increments, 5–150 PSI
- Rugged, braided stainless-steel hose
- Back-lit display, with PSI, kPa, bar and kg/m^2
- Dual foot and clip-on chuck included with 1/4" threads for easy use with any open chuck
- 1/4" NPT air inlet fitting
- Rubber body prevents damage when dropped
- Replacement batteries and O-rings included

TPGIF1600A Tire Gauge and Inflator *(Blue-Point)*
- 10–120 PSI in 2 lb increments
- 1/4" FNPT air inlet fitting
- Swiveling hose for easy gauge positioning
- Zinc body with heavy duty brass valves
- Easy-to-read sight glass featuring PSI and kPa readings
- ±1% accuracy

TIFHD160 Truck Tire Inflator *(Blue-Point)*
- Inflate heavy duty truck tires quickly and safely
- Gauge measures from 6–160 PSI (40–1100 kPa)
- Includes 14" dual foot budd chuck with locking threads
- High quality 48" extended rubber hose (Tested to 300 PSI)
- 1/4" NPT brass fitting for inlet air connection
- 360° swiveling gauge for easy reading
- Rubber gauge guard for added shock resistance
- Rugged geared gauge construction for added durability
- 48" hose and chuck allow a tire technician to stand outside of the trajectory zone as noted in OSHA1910.177 standards, servicing multipiece and single piece rim wheels. This standard requires a “sufficient length of hose” exist between the chuck and valve



TPGD150



TPGDL150

Digital Tire Pressure Gauges *(Blue-Point)*

TPGD150 Digital Tire Pressure Gauge
- Ranges from 5–150 PSI in 0.5 increments
- Flexible 11" braided hose with dual foot chuck helps access hard-to-reach tire valves
- Black ribbed gauge guard provides a sure gripping surface and helps protect the gauge if dropped
- Auto shutoff extends battery life
- 1% accuracy

TPGDL150 Digital Tire Pressure Gauge
- Backlit for easier measurement reading
- Auto shutoff extends battery life
- 5–150 PSI reading
- Shockproof rubber guard to prevent damage when dropped
- Molded finger grips for added comfort
- Heavy die cast faceplate
- Includes steel belt clip and batteries
- ±1% accuracy

Dial Type Pressure Gauges

TPRG60 TPMS/Racing Tire Gauge
- Ideal for applications requiring precise readings like TPMS gauge testing and performance driving
- PowerFlex™ movement is both durable and accurate
- ±1% accuracy

TPG15 Low Pressure Tire Gauge
- Low pressure gauge for ATVs, lawnmowers, motorcycle fork tubes and more
- Unique design offers superior shock resistance: movement from socket is isolated, reducing effects of shock
- Silicone dampened gears and enhanced vibration dampening design cushion movement for extended gauge service
- Clear and concise, easy-to-read 1–15 PSI gauge displays in 1/4 PSI increments
- ±1% accuracy

PG160 Dial Type Pressure Gauge (Blue-Point®)
- Calibrated in 1 PSI increments from 10–160 PSI
- 2 1/2" diameter dial gauge with shock-resistant gauge movement
- 12" flex hard-to-reach valves (16" with chuck)
- Bleeder valve to relieve excess pressure to achieve proper inflation
- Dual foot chuck 1% accuracy

PG60 Dial Type Pressure Gauge *(Blue-Point)*
- 12" flex hose and bleeder valve
- 1% accuracy
- Swivel angle chuck
- Dual scale pressure range – 60 PSI, 410 kPa
- Ideal for automobile and light truck service

Best results when tire gauge is used in the middle of pressure scale
* 1% accuracy = 1% of pressure scale



TPRG60



TPG15



PG160



PG60

Pencil Tire Pressure Gauges

PGP20 Tire Pressure Pencil Gauge
- 20 PSI pencil gauge for low pressure applications
- 0.5 PSI accuracy for the full range of scale
- Laser engraved barrel
- Full metal body construction
- Pocket clip holds gauge securely in pocket
- Ideal for ATVs and riding mowers

PGPS50GB Master's Choice Pencil Gauge with Wooden Box
- Durable brass construction promotes longevity and resists corrosion
- ± 1% accuracy exceeds ANSI® standards and allows for use on vehicles with TPMS sensors
- Dual scale measures from 5–50 PSI and from 34.4 kPa–344.7 kPa
- The solid maple box protects and showcases this high quality gauge

PGPS50 Master's Choice Tire Pressure Pencil Gauge
Tire pressure gauge only

PGPS50-BOX Master's Choice Box (solid maple)
Wooden box only

Best results when tire gauge is used in the middle of pressure scale
Note: 1% accuracy = 1% of pressure scale



PGP20



PGPS50GB



PGPS50

⚠WARNING

- Do not exceed rated pressure
- Read safety precautions on pages W1 to W4

TIRE AND WHEEL: TIRE PRESSURE GAUGES


TGS1


PGP120


PGP45LQ


PGP50


PGPL150

Pencil Tire Pressure Gauges

TGS1 Sight Glass Test Gauge
- Gauge is accurate enough to use for TPMS applications
- Rugged sight glass design for better durability and readability
- 1% Master Gauge Accuracy, with certificate of accuracy included
- Durable billet machined 6061-T6 aluminum body
- Dual Foot Budd Chuck
- 10–160 PSI
- Unique comfort grip for easy use
- Can be calibrated in the field (instruction included)

PGP120 Pressure Gauge (Blue-Point®)
- Calibrated in 2 PSI increments from 10–120 PSI and in 10 kPa increments from 100–800 kPa
- Chrome body
- 1% gauge accuracy
- 5 3/4" long

PGP45LQ Air Liquid Pressure Gauge *(Blue-Point)*
- Calibrated in 1 PSI increments from 5–45 PSI
- Can be used on any standard or liquid solution-filled tires
- Spring retracts into gauge, causing pump action to expel tire liquid
- Chrome body
- 1% gauge accuracy
- 5 15/16" long

PGP50 Pressure Gauge *(Blue-Point)*
- Calibrated in 1 PSI increments from 5–50 PSI and 5 kPa increments from 50–350 kPa
- Chrome body
- 1% gauge accuracy
- 5 3/4" long

PGPL150 Tire Gauge *(Blue-Point)*
- Calibrated in 2 PSI increments from 10–150 PSI
- Straight dual foot is well suited for Budd truck style tires
- 30° angle reverse foot assists in hard-to-reach areas
- Includes hanging clip
- Chrome body
- 1% gauge accuracy
- 12" long

AIR CHUCKS


GA359


GA356B


GA460B


GA296B


GA358


YA173B


TPDF14

Closed Air Chucks

For use on air lines only. Do not use on inflators.

GA359 Dual Foot Air Chuck
- Easily access hard to reach inner tandem wheels
- Tilt lock feature locks onto the valve
- 30° reverse angle chuck can be used on outside tires
- Screwdriver style handle
- Thread size of 1/4" NPT
- Overall length of 12"

GA356B Dual Foot Air Chuck *(Blue-Point)*
- 1/4"-18 female NPT with 5/8" hex nut
- Straight foot works well on Budd style wheel rims
- 30° angle reverse foot is helpful in limited access situations
- 6 1/2" long

GA460B Dual Foot Air Chuck *(Blue-Point)*
- 1/4"-18 female NPT
- 6 1/8" long

GA296B Angled Air Chuck *(Blue-Point)*
- 1/4"-18 female NPT
- Rubber gasket included

GA358 Air Chuck
- Screwdriver style black handle
- Thread size of 1/4" NPT
- Overall length of 7"

YA173B Clip-on Style Angled Air Chuck *(Blue-Point)*
- 1/4"-18 female NPT
- Spring loaded, trigger operated valve stem clip
- Maximum operating pressure is 200 PSI

TPDF14 Long Reach Dual Foot Air Chuck *(Blue-Point)*
- 14" Long reach dual chuck
- Straight on chuck with 30° reverse chuck
- All metal components
- Work well for reaching dual wheel truck tires
- Compatible with Snap-on® and *Blue-Point* inflators



GAOC356



GAOC460



TPDFOC14

Open Air Chucks (Blue-Point®)

For use on inflators only. Do not use on air lines.

GAOC356 Dual Foot Air Chuck
- 1/4"-18 female NPT with 5/8" hex nut
- Straight foot works well on Budd style wheel rims
- 30° angle reverse foot is helpful in limited access situations
- 6 1/2" long

GAOC460 Dual Foot Air Chuck
- 1/4"-18 female NPT
- 6 1/8" long

TPDFOC14 Long Reach Dual Foot Air Chuck
- 14" Long reach dual chuck
- Straight on chuck with 30° reverse chuck
- All metal components
- Work well for reaching dual wheel truck tires
- Compatible with Snap-on® and *Blue-Point* inflators

Maximum rating on all *Snap-on* air chucks is 150 PSI



TR107A



TR108



TR109



TR117O



VT1A



QDTPMS



GA143B



VT14

Valve and Stem

TR107A Valve Core Tool
- For installation and removal of standard valve cores
- Screwdriver style handle
- 6 1/4" long

TR108 Valve Core Tool
- Similar to TR107A
- 4 3/4" long

TR109 Valve Core Tool
- Use to remove or replace valve cores on A/C systems (large bore)
- 6 3/4" long

TR117O Valve Core Remover/Installer Tool
- Valve core remover/installer tool
- 6 1/4" long

VT1A Valve Stem Inserter
- Simplify installation of valve stem in tubeless tire rim
- Notched shank to accommodate various rim styles
- Comfortable screwdriver type handle

QDTPMS Valve Core Torque Tool
- Specifically designed to be used as a core remover and precise installer for TPMS tire valve to eliminate risk of damaging expensive TPMS sensors
- Preset to 4 in-lb to prevent over- or under-torquing
- Preset torque setting also helps prevent valve core leaks that lead to low tire pressure and TPMS alerts

GA143B Valve Core and Stem Tool *(Blue-Point)*
- Four-function tool inserts and removes cores, taps inner stem threads and chases outer threads
- 1 7/8" x 13/16"

VT14 Universal Valve Core Tool *(Blue-Point)*
- Double-ended bit removes and installs large and small valve cores
- Reverse the double-ended wrench in the tool body to fit both large and small valve cores
- Use the cup end to remove valve caps



GA599A



TDG1

Tread Depth Gauge

GA599A Tread Depth Gauge
- Measures to a depth of 1" in 1/32" increments
- Plastic body with aluminum probe and sliding gauge
- Includes pocket clip

TDG1 Tread Depth Gauge
Same as the GA599A but the gauge is color coded for easy tread wear diagnosis

⚠WARNING
- Do not exceed rated pressure
- Read safety precautions on pages W1 to W4

TIRE AND WHEEL: WHEEL TORQUE TOOLS



BTQS1000



BTQS600



BTQS500



BTQSHD400



TSS2KT



305TSKTA

Torque Sticks/Standard Duty

- Strobe marks stop turning at precisely the right torque
- Engineered for rugged professional environments
- Manufactured with heat-treated Swedish spring steel in a solid one-piece design
- Sticks are individually packaged
- Sets come with a color-coded torque chart showing the correct stick for nearly every domestic and import vehicle
- Lifetime guarantee

Stock No.	Size, mm	Color	Torque Limit, ft-lb	Drive, inches	Set Contains: BTQS1000	BTQS600	BTQS500
BTQS12A	21	Brown	100	1/2	•		
BTQS12AA	22	Orange	75	1/2		•	
BTQS12B	21	Light Brown	80	1/2	•		•
BTQS12BB	21	Charcoal	147	1/2	•		•
BTQS12C	19	Gray	100	1/2	•		•
BTQS12D	21	Black	60	1/2			
BTQS12E	19	Blue	80	1/2	•		
BTQS12EE	22	Turquoise	140	1/2	•		•
BTQS12F	19	Yellow	65	1/2		•	
BTQS12G	17	Red	80	1/2		•	
BTQS12H	17	Green	55	1/2		•	
BTQS12HH	22	Medium Brown	110	1/2			
BTQS12I	22	White	120	1/2	•		•
BTQS12K	17	Light Yellow	113	1/2		•	
BTQS12KK	21	Red-Orange	110	1/2			
BTQS12MM	17	Off White	90	1/2		•	
BTQS12NN	19	Light Tan	90	1/2			
BTQS12OO	19	Quartz	120	1/2			
BTQS12T	24	Light Green	140	1/2	•		
BTQS12UU	14	Mud	80	1/2			
BTQS12XX	21	Light Purple	160	1/2	•		
BTQS12Y	22	Light Blue	100	1/2	•		

Sets shown include storage case

BTQSWC13 Wall Chart
Color wall chart for service bays

Torque Sticks/Heavy Duty

Stock No.	Size, inches (mm)	Color	Torque Limit, ft-lb	Drive, inches	Set Contains: BTQSHD400
BTQSHD34114	1 1/4	HD Red	250	3/4	
BTQSHD3433M	(33)	HD Brown	475	3/4	
BTQSHD1114	1 1/4	HD Red	250	1	•
BTQSHD133M	(33)	HD Brown	475	1	•
BTQSHD1112	1 1/2	HD Black	475	1	•
BTQSHD11316	13/16	HD Yellow	475	1	•

Set shown includes storage case

Torque Sticks/Special Application

Stock No.	Size, mm	Color	Torque Limit, ft-lb	Set Contains: TSS2KT
TSS2TT	22	Pink	150	•
TSS2QQ	22	Salmon	95	•

Torque Extensions

- Help eliminate overtorqued lug nuts, broken or damaged studs and distortion of rotors, drums and wheels
- Color-coded low-friction sleeve for quick reference
- Cold formed special alloy steel for greater accuracy and strength
- 1/2" male and female square drive for use with appropriate impact socket
- Female square drive designed for improved retention on impact wrenches
- Male square drive has friction ring for secure socket retention

Stock No.	Color	Torque Limit, ft-lb	Set Contains: 305TSKTA
TSKT65A	Yellow	65	•
TSKT80A	Blue	80	•
TSKT100A	Gray	100	•
TSKT120A	White	120	•
TSKT140A	Teal	140	•

Set shown includes storage case

Lug Nut Sockets

LSR1500 Standard/Twist Wheel Flip Socket Set
- Five sockets for use on the most popular lug nut sizes (17 mm, 19 mm, 3/4", 21 mm, 13/16" and 7/8")
- Six-point Flank Drive® wrenching system at one end and a six fluted twist socket for removal of damaged wheel lugs at the other end
- Flip the socket when encountering a damaged head
- Knurling identifies twist socket end
- Sockets and 3 1/2" extension are all 1/2" drive for use with hand drivers or impact wrenches
- Black oxide finish
- Storage case


LSR1500

LSR2000 Thinwall Wheel Flip Socket Set
- Covers the four most popular lug nut sizes
- (3/4" and 13/16", 19 mm and 21 mm) *Flank Drive* wrenching configuration
- 1/2" square drive located at center of socket
- Use with hand driver or impact wrench
- Includes LSR1150 and LSR1250 lug nut sockets and 3 1/2" extension in a custom case
- Black industrial finish


LSR2000

LSR2000PLUS Lug Nut Flip Socket Set
- Three flip sockets in 3/4" and 13/16", 7/8" and 15/16" plus 19 mm and 21 mm
- All sockets are 3" long
- 1/2" square drive located at center of socket
- Use with hand driver or impact wrench
- Custom case
- Black industrial finish on all components
- Requires use of optional LSR1000EXT extension (not included)


LSR2000PLUS

LSR1150 Thinwall Wheel Flip Socket
- Thinwall wheel flip socket covers 3/4" and 13/16" wheel lug sizes
- Use with hand driver or impact wrench
- 3" long


LSR1150

LSR1250 Thinwall Wheel Flip Socket
- Thinwall wheel flip socket covers 19 mm and 21 mm wheel lug sizes
- Use with hand driver or impact wrench
- 3" long


LSR1250

LSR2500 Lug/Lock Flip Twist Socket Set
- Quickly and easily remove damaged wheel lugs (six flute end) or damaged wheel locks with damaged or lost keys (12 flute end)
- 1/2" square drive located at center of socket
- Use with hand driver or impact wrench
- Includes LSR2501 and LSR2502 lug/lock sockets and 3 1/2" extension in a custom case
- Black industrial finish


LSR2500

LSR2501 Lug/Lock Flip Twist Socket
- 3/4" – 19 mm twist socket quickly and easily removes damaged wheel lugs (six flute end) or damaged wheel locks with damaged or lost keys (12 flute end)
- Use with hand driver or impact wrench
- Black industrial finish: 2 5/8" long


LSR2501

LSR2502 Lug/Lock Flip Twist Socket
- Same as LSR2501 except in 7/8" size

LSR2503 Lug/Lock Flip Twist Socket
- Same as LSR2501 except in 17 mm size


LSR2502

LSR2500PLUS Lug/Lock Flip Twist Socket Set
- Quickly and easily remove damaged wheel lugs (six flute end) or damaged wheel locks with damaged or lost keys (12 flute end)
- 1/2" square drive located at center of socket
- Use with hand driver or impact wrench
- Includes LSR2501, LSR2502 and LSR2503 lug/lock sockets in a custom case
- Black industrial finish
- LSR1000EXT is optional 3" extension for the set


LSR2500PLUS

LSR1450 Thinwall Wheel Flip Socket
- Covers 17 mm and 19 mm wheel lug sizes
- *Flank Drive* wrenching configuration
- 1/2" square drive located at center of socket (requires optional extension LSR1000EXT)
- Ideal companion to LSR2000 and LSR2000PLUS
- Black industrial finish
- Major O.D.: 1.03" (26.3 mm) – Minor O.D.: 0.94" (23.9 mm)
- Length: 3" (76.2 mm)


LSR1450

LSR1580 Thinwall Lug Nut Flip Socket
- 21 mm and 22 mm socket size: 3" long
- Use with hand driver or impact wrench
- Requires use of optional LSR1000EXT extension
- 1/2" square drive located at center of socket


LSR1580

LSRM2000 Metric Flip Socket Set
- Includes LSR1580 and LSR1450 sockets plus LSR1000-EXT 3" extension
- Designed for 2005 and later vehicles
- Includes 17 mm, 19 mm, 21 mm and 22 mm sizes


LSR2000

Applications: Dodge® Pickup 1500, *Dodge* SRT-10, Honda® Odyssey®, Land Rover® L3, Range Rover® and Sport, Lexus® LX470 and Toyota® Land Cruiser® vehicles

LSR1560 Flip Socket
- 7/8" and 1" socket size: 3" long
- Use with hand driver or impact wrench
- Expands LSR2000 and LSR2000PLUS sets
- Requires use of LSR1000EXT extension (not included)
- 1/2" square drive located at center of socket


LSR1560

Applications: (7/8") Chevy®, GMC® vans, *Dodge* 1500 Ram Pickup, Ford® E250/350, *Ford* Super Duty, Hummer® H1, Lincoln® Blackwood®, *Lexus* LX470, *Toyota Land Cruiser*, Jaguar® XJ Series, (7/8 and 1") *Chevy/GMC* Pickups and SUVs, (1") Plymouth® 1 ton vans

LSR1570 Flip Socket
- 15/16" and 1 1/16" socket size: 3" long
- Use with hand driver or impact wrench
- Expands LSR2000 and LSR2000PLUS sets
- Requires use of optional LSR1000EXT extension
- 1/2" square drive located at center of socket


LSR1570

Applications: (15/16") *Dodge* Ram 2500, 3500, (1 1/16") Land Rover®, *Range Rover* Discovery II, *Ford* E300/350, *Ford* F300/350

⚠WARNING
- Read and follow all safety messages in instructions
- Check final torque on lug nuts with a torque wrench
- Read safety precautions on pages W1 to W4

TIRE AND WHEEL: LUG/RETAINING NUT SOCKETS


DW402C


2003LN


A98A


IMX32B


TSR700


TSR800


TSR1000


TSR1250


TSR1230


YA1005C

Lug Nut Sockets

DW402C Dayton Lug Nut Impact Socket
- 3/4" square drive with a 1 1/4", six-point wrench opening
- Use with socket retainers

2003LN Double Ended Lug Nut Socket Set
- Set includes A98A socket, A98M socket and IMX32B extension bar (3pc)

A98A 6-Point Lug Nut Socket
- 1/2" square drive is recessed between (two) six-point wrench openings: 3/4" and 13/16"
- Length 2 3/4"; Diameter 13/16"

A98M 6-Point Socket
- 1/2" square drive is recessed between (two) six-point wrench openings: 19 mm and 21 mm
- Length 2 3/4"; Diameter is 13/16"

IMX32B Impact Extension
- 1/2" square drive, 5/8" shank diameter; 3" long
- Snap ring locking mechanism

TSR500 Lug Nut Remover Socket (Blue-Point®)
- Use on late model OEM and aftermarket lug nuts
- Dual sided design allows use on 3/4", 13/16", 19 mm and 21 mm lug nuts
- Use with 1/2" drive impact wrench
- Fluted socket design helps remove most stubborn lug nuts
- Includes extractor punch

TSR600 Locking Lug Nut Socket *(Blue-Point)*
- 1/2" square drive is located in the center of the socket
- Use included pin to dislodge lug nut if wedged in socket
- Removes most locking lug nuts and has two-in-one flip socket design
- For use with impact wrench
- Fluted for extra grip

TSR700 Lug Nut Remover Socket *(Blue-Point)*
- Use on late model OEM and aftermarket lug nuts
- Dual sided design allows use on 7/8", 1", 22 mm and 25 mm lug nuts
- Use with 1/2" drive impact wrench
- Six flute socket design helps remove most stubborn hex lug nuts

TSR800 Lug Nut Remover Socket *(Blue-Point)*
- Use on late model OEM and aftermarket lug nuts
- Dual sided design allows use on 7/8", 1", 22 mm and 25 mm lug nuts
- Use with 1/2" drive impact wrench
- 12-flute socket design helps remove most stubborn rounded lug nuts

TSR1000 Lug Nut Socket Set *(Blue-Point)*
- Set includes TSR500 and TSR600 lug nut sockets plus YA1005-7 extractor punch
- Use TSR500 on late model OEM and aftermarket lug nuts
- Dual-sided design allows use on 3/4", 13/16", 19 mm and 21 mm lug nuts
- TSR600 removes most locking lug nuts and has a two-in-one flip socket design
- For use with 1/2" drive tools
- Fluted socket design provides extra grip

TSR1240 Lug Nut Removal Socket
- 21 mm/21.5 mm socket, use for *Chrysler* and Dodge® applications

TSR1250 Lug Nut Removal Socket *(Blue-Point)*
- Dual flip 1/2" drive impact socket design
- Removes lug nuts with missing or distorted caps
- 19.5 mm side fits distorted 19 mm chrome caps found on many GM® and Chrysler® vehicles
- 18.5 mm side fits rusted lug nuts missing chrome covers

TSR1260 Lug Nut Removal Socket
- 22 mm/22.5 mm socket, use for *Dodge* 16" – 17" aluminum wheels

TSR1270 Lug Nut Removal Socket
- 1 1/16"/27.5 mm socket, use for Range Rover® and Land Rover® applications

TSR1230 Lug Nut Removal Socket Set
- Set includes TSR1240, TSR1250, TSR1260 and TSR1270 Dual Flip sockets plus YA1005-7 Extractor Punch in custom vinyl bag
- Works great on lugs that are rusted, have missing caps or are missing caps altogether

YA1005C Locking Lug Nut Remover Kit *(Blue-Point)*
- Removes locking lug nuts and locking hubcaps on most vehicles including the new *Chrysler* hubcap locks Updated set includes new turbo lug nut socket to easily remove damaged 3/4", 13/16", 19 mm and 21 mm lug nuts
- Tapered swirl in socket bites into damaged lug nut for quick removal
- Intended for hand use only, except for turbo lug nut socket, which should be used with an impact wrench



203FLSM



SIMML210

Lug Nut Sockets (3/8" drive)

Stock No.	Square Drive, inches	Wrench size mm	Overall Length, inches
FLSM1719	3/8	17 & 19	3
FLSM2122	3/8	21 & 22	3
FLS2426	3/8	3/4 & 13/16	3

203FLSM Lug Nut Socket Set
- Includes FLSM1719 and FLSM2122 Metric Flip Lug Nut Sockets plus IMX31 Impact Extension



LMS24

Lug Nut Socket (Magazine Loading) (Blue-Point®)
- Multiple lug nut removal up to five lug nuts at a time
- Eliminates rolling or lost lug nuts and wasted motion
- Ideal for use in tire and brake shops
- Adjust type 9, 12 and 16 cu in air chambers that are equipped with 1/2"–20" threaded rod and 3/4" nut

Stock No.	Wrench Size, inches (mm)	Square Drive, inches	Outside Dia., inches	Overall Length, inches
LMS24	3/4" (19 mm)	1/2	1	5 5/16



WHM1



WHS1



WHV1



WHB1

Wheel Hangers
Allow faster, safer and easier balancing of wheels when attempting to insert and tighten wheel bolts.

Stock No.	Thread Size	Hex Size, mm	Applications
WHM1	M12 x 1.5	10	Mercedes-Benz®, BMW®, Mini, Cadillac® Catera®, *Chrysler* Crossfire
WHS1	M14 x 1.5	15	Current *Mercedes-Benz*, current Dodge® Sprinter® trucks, Freightliner Sprinter trucks from 2002–2004
WHV1	M14 x 1.5	10	Volkswagen®, Audi®, *Mercedes* ML Class, *BMW* 7 and X5 Series, Porsche®
WHB1	M14 x 1.25	10	2009–to current *BMW* and Mini vehicles

SIMML210 Lug Nut Socket
- Long socket designed to fit lug nut applications where an extension would be needed
- Flank Drive® wrenching configuration where the socket grips the fastener on the flanks/flats increasing torque by up to 15%–20%
- Forged from tough alloy steel to increase safety, impact sockets are heat treated to a lower hardness to add impact resistance and ductility
- One-piece design



LSR1000A

Wheel Lock Sockets *(Blue-Point)*

LSR1000A Wheel Lock Removal Socket Set
- Easily removes most lug nuts and wheel locks on most US and import passenger vehicles and light trucks
- Use with hand driver or impact wrench
- Some sockets cover specific GM®, Ford® and Chrysler® applications
- Set includes 11 sockets, extension and extractor punch in storage case



BRUTUS3R250D

Torque Wrench

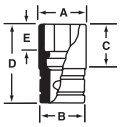
BRUTUS3R250D US Adjustable Click Type Torque Wrench
- Tougher for longer life cycle
- Hourglass-shaped cam: less friction reduces wear, retains lubricant
- Range 50–250 ft lb
- Thrust bearing resists wear
- "Gorilla-Proof" positive stop prevents accidental disassembly (Caution: Do not wind below lowest scale mark)
- Larger, tougher load screw helps prevent damage due to impact
- High strength, sealed head
- Long handle provides more leverage
- ASME® specifications, traceable to N.I.S.T. at no charge

WARNING • Read safety precautions on pages W1 to W4

TIRE AND WHEEL: AXLE NUT SOCKETS



305SIMMY





ANS1938

GM® Axle Nut Set (1/2" Drive)

Stock No.	Size, mm	A	B	C	D	E	Set Contains: 305SIMMY
SIMM290	29	41.3	41.3	71.6	88.9	21.3	•
SIMM300	30	42.9	42.9	71.6	88.9	21.6	•
SIMM340	34	49.3	49.3	72.8	88.9	22.6	•
SIMM350	35	50.8	50.8	72.8	88.9	22.9	•
SIMM360	36	50.8	50.8	72.8	88.9	22.9	•

Axle Nut Sockets (1/2" Square Drive) (Blue-Point®)

Use with a torque wrench to service truck wheel bearing lock nuts.

Stock No.	Nominal Size	Style
ANS1937*	2 1/2"	6-Point
ANS1938	2 3/4"	6-Point
ANS1939*	2 3/8"	6-Point

*Fits special "rounded" hex nuts on Dana® axles of some Ford® trucks.

Axle Nut Sockets (3/4" Square Drive) *(Blue-Point)*

Use with a torque wrench to service truck wheel bearing lock nuts.



ANS1900B



ANS1933A

Stock No.	Nominal Size	Style	Stock No.	Nominal Size	Style
ANS1900B	2 1/8"—54 mm	6-Point	ANS1907A	3"	8-Point
ANS1933A**	59 mm	6-Point	ANS1908A	3 1/4"	6-Point
ANS1901A	2 3/32"	6-Point	ANS1909A	3 1/4"	8-Point
ANS1920A	2 1/4"	6-Point	ANS1910A	3 1/2"	6-Point
ANS1902A	2 3/8"	6-Point	ANS1911A	3 1/2"	8-Point
ANS1903A	2 3/8"	8-Point	ANS1925A	3 3/4"	8-Point
ANS1921A	2 1/2"	6-Point	ANS1927A	3 13/16"	8-Point
ANS1928A*	2 9/16"	6-Point	ANS1912A	3 7/8"	6-Point
ANS1905A	2 9/16"	8-Point	ANS1913A	3 7/8"	8-Point
ANS1904A	2 9/16"	6-Point	ANS1914A	4"	6-Point
ANS1922A	2 5/8"	6-Point	ANS1915A	4 1/8"	6-Point
ANS1923A	2 3/4"	6-Point	ANS1916A	4 3/8"	6-Point
ANS1924A	2 3/4"	8-Point	ANS1917A	4 3/8"	8-Point
ANS1926A	2 13/16"	8-Point	ANS1918A	4 7/8"	6-Point
ANS1932A	2 7/8"	6-Point	ANS1919A	4 7/8"	8-Point
ANS1906A	3"	6-Point			

*Fits special "rounded" hex nuts on *Dana* axles of some *Ford* trucks.
**For 1/2 ton vehicles with automatic locking nuts. Designed for late model *Ford* vehicles. 3/4" square drive, 59 mm nominal size. Industrial finish.



S8695C



S6146



S6109A

Four Wheel Drive Axle Nut Sockets

S8695C Axle Nut Socket 4 Lug
- 1/2" square drive: 3 3/4" long
- For 1/2 ton vehicles with manual locking nuts
- Use on front wheel bearing retaining nut on Dana 44 Series Axle used on 1959 and later *GM*®, *Ford*, Dodge®, and AMC®
- Industrial finish
- Railroad applications: use to install or remove point detector bushing found on WABCO-M23B switch machines

S6146 Axle Nut Socket 4 Lug
- For front wheel bearing retaining nut on 3/4 ton vehicles with *Dana* 60 Series axle used on *GM*, *Ford* and *Dodge* trucks
- 1/2" square drive: 3 3/4" long
- Industrial finish

S6109A Axle Nut Socket 6 Lug
- For front wheel bearing retaining nut on 3/4 ton vehicles with heavy duty suspension
- Designed for use on *GM*, *Ford* and *Dodge* trucks with *Dana* 70 Series axle
- 1/2" square drive: 3 3/4" long
- Industrial finish

SPANNER SOCKETS



ANS1929A

Spanner Sockets

For use with a torque wrench when servicing Chevrolet®, *GM* and *Ford* axles.

Stock No.	Square Drive, inches	No. of Lugs	Outside Dia., inches	Applications
ANS1929A*	3/4	6	2 5/8	Chevy®/GMC® with 5,200 and 7,200 lb axles
ANS1930	3/4	6	2 7/8	*Chevy/GMC* with 11,000 and 13,500 lb axles
ANS7269A	1/2	4	2 3/4	1985 and later *Ford* F250®/F350® with floating rear axle

**Blue-Point*


SNS2467


SNS2770


SNS3195


SNS3246

Spindle Nut Sockets

SNS2467 Spindle Nut Socket
- Remove and install four-slot axle lock nuts
- 1/2–3/4 ton Dana® 44 axle
- Socket I.D.: 2"
- 1/2" drive

SNS2770 Spindle Nut Socket
- Remove and install four-slot front axle lock nuts
- 3/4–1 ton *Dana* 44 axle
- Socket I.D.: 2 1/4"
- 1/2" drive

SNS3195 Spindle Nut Socket
- For high-shear rotating nuts
- 1/2 ton *Dana* 80 axle
- Socket I.D.: 2 3/8"
- 1/2" drive

SNS3246 Spindle Nut Socket
- Remove and install four-slot axle lock nuts
- 3/4–1 ton
- Socket I.D.: 2 1/4"
- 1/2" drive


YA6540

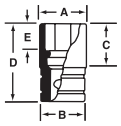
Axle Lock Nut Removers

YA6540 Nut Remover Kit for Toyota®/Lexus® vehicles

Axle Locks
- This tool kit prevents damage to the axle shaft threads when removing the lock nut
- Unlocks and removes the 30 mm axle nuts from *Toyota*/*Lexus* vehicles
- Kit combines a 1/2" drive 12-point special depth 30 mm impact socket and unique angle axle-nut release tool (patent pending)

YA6541 1/2" Drive 30 mm Impact Socket

YA6542 Lock Nut Release Tool




SIMDM300


IMDM320


IMDM390


SIMM360TW

Special Application Axle Nut Socket, mm (1/2" Drive)

Stock No.	Size	Style	A	B	C	D	E
SIMDM300	30 mm	12-point	42.9	42.9	71.1	88.9	21.6
IMDM320	32 mm	12-point	45.7	45.7	36.8	50.8	20.6
IMDM390	39 mm	12-point	53.8	39.6	36.8	50.8	22.3
SIMM360TW	36 mm	6-point	47.2	45.8	72.8	88.9	22.9

SIMDM300 12-Point Axle Nut Socket
- 1/2" square drive

Applications: Axle nut removal for *Toyota*: Avalon®, Camry®, Highlander® and Matrix®; *Lexus*: ES300; Pontiac®: Vibe®; VW®: Beetle, Jetta® and Golf® (1999 and later); Dodge®: *Dodge*/Freightliner® Sprinter® vans with 215 mm rear axle (2004 and newer)

Applications: Automatic transmission tail output shafts for Chrysler®: 300C and Crossfire® (2004); *Dodge*: Magnum® (2004); Jeep®: Grand Cherokee® V6 models (2005); Mercedes®: Many years of coverage

IMDM320 12-Point Metric Shallow Impact Socket

Applications: Service axle nuts on Mercedes-Benz® W140 chassis 1992–1999 SC and SL Class, Porsche® Boxster®, Cayenne® and 944 plus BMW® X3, X5 and X6 Series 2007 vehicles and later. Other uses include drive shaft nuts on *VW* Touareg® vehicles 2003 and later

IMDM390 12-Point Metric Shallow Impact Socket

Applications: Use on front axle hub of 2007 *Toyota* Tundra®

SIMM360TW Axle Nut Socket
- Thin wall design provides the extra room needed to remove and install the axle nut on Chevrolet® Sonic vehicles


WLT1


SIM540A

Wheel Hub Lock Tool

WLT1 Wheel Hub Lock Tool (Blue-Point®)
- Eliminates need for assistant to hold brake pedal while axle nuts are removed or installed
- Works on any vehicle with wheel stud bolt patterns ranging from 4 mm x 100 mm–8 mm x 170 mm
- One-piece design with incorporated cushioned grip handle for comfort and ease-of-use
- Can also be used to hold rear differential yoke on solid axle vehicles during pinion seal or bearing service, as well as many other types of machines with drive shafts, yokes and universal joints

Special Application Axle Nut Sockets, inches

SIM540A 6-Point Axle Nut Socket
- Remove or install 1996 and later *Dodge* truck axle nuts
- Use on truck and bus wheel applications
- Flank Drive® wrenching design
- 1/2" square drive

WARNING • Read safety precautions on pages W1 to W4

TIRE AND WHEEL: SHACKLE PIN



SPS10

Shackle Pin Impact Sockets

- Oval shaped wrench opening services shackle pins on International® and Kenworth® semi tractors

SPS10 Shackle Pin Socket
41/64" x 1 3/32" x 1 3/4" long.

SPS11 Shackle Pin Socket
21/32" x 1 17/32" x 1 3/4" long.

LUG/RETAINING NUT



HDLUGSET2





S6840

Heavy Duty Truck Wheel Lug Sockets

HDLUGSET1 Heavy Duty Lug Socket Set

- Includes: SIM383, SIM403, SIM483B, SIMM333, SIMM383 plus BW726A and BWD483
- Flank Drive® wrenching system
- Alloy steel combines strength and durability
- All sockets 1" square drive

HDLUGSET2 Heavy Duty Lug Socket Set

- Includes: SIM342, SIM482, SIMM332, SIMM382, SIMM412, DW402C, plus BW626A, BWD482 and BWDM412 in a PAKPB063 storage case
- *Flank Drive* wrenching system
- Alloy steel combines strength and durability
- All sockets 3/4" square drive

Lug Nut Removal Sockets (Magazine Loading)

Stock No.	Drive Size, inches	A	B	C	D	E
S6840	3/4	1 7/8	1 3/4	4 13/16	5 5/8	3/4

S6840 Magazine Loading Lug Nut Removal Socket

- Manufactured from special alloy steel, precision machined and heat-treated for optimum strength and durability
- *Flank Drive* wrenching system grips fastener on the flanks/flats increasing torque and preventing fastener from rounding and increases the life of the socket

Applications:

- Saves technician time by housing the five lug nuts as they are removed, one at a time, from the wheels on Flexi-Van Chassis trailers

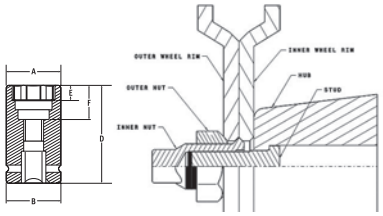
General Lug Nut Usage

Lug Nut Size	3/4" Drive	1" Drive	Applications
7/8" Hex Deep	SIM282	–	Medium to light truck general usage
15/16" Hex Deep	SIM302	–	Medium to light truck general usage
1" Hex Deep	SIM322	–	Medium to light truck general usage
1 1/16" Hex Deep	SIM342	SIM343	General usage, Ford® F700 8-hole wheels
1 1/8" Hex Deep	SIM362	–	Various
1 3/16" Hex Deep	SIM382	SIM383	Various
1 1/4" Hex Deep	DW402C*	SIM403	Heavy duty Dayton® style trailers, spoke wheel type
1 5/16" Hex Deep	SIM422	SIM423	Various
1 1/2" Hex Deep	SIM482	SIM483B	Stud piloted Budd style wheel applications
1 3/4" Hex Deep	SIM562	SIM563	Construction and off-road equipment applications
13/16" Square	BW626A	BW726A	Inner nuts on Budd-style wheel applications
30 mm Hex Deep	SIMM302	SIMM303	Medium duty trucks, small 8-lug wheel sizes
32 mm Hex Deep	SIMM322	SIMM323	European truck applications
33 mm Hex Deep	SIMM332	SIMM333	General hub piloted wheel applications
35 mm Hex Deep	SIMM352	–	Import truck applications
36 mm Hex Deep	SIMM362	–	Import truck applications
38 mm Hex Deep	SIMM382	SIM383	Import truck applications
41 mm Hex Deep	SIMM412	–	Stud piloted Budd-style wheel applications
1 1/2" Hex – 13/16" Square	BWD482	BWD483	Stud piloted Budd-style wheel applications
41 mm Hex – 21 mm Square	BWDM412	–	Stud piloted Budd-style wheel applications

*Thin walled extra deep.

Budd Wheel Impact Sockets

- Six-point and square openings combined
- Use with socket retainers below
- Industrial finish




BWD482


BWDM412


BWDS483

Stock No.	Dimension A, Socket End Diameter	Dimension B, Drive End Diameter	Dimension D, Length	Dimension E, Hex Depth	Dimension F, Square Depth	Hex Size	Square Size	Square Drive, inches
BWD482	2 7/32"	1 3/4"	4"	5/8"	1 11/16"	1 1/2"	13/16"	3/4
BWD483	2 15/64"	2 15/64"	4"	5/8"	1 11/16"	1 1/2"	13/16"	1
BWDM412	2 11/32"	1 3/4"	4 1/4"	17/32"	1 43/64"	41 mm	21 mm	3/4
BWDS483	2 15/64"	2 15/64"	4"	5/8"	1 9/64"	1 1/2"	13/16"	1"

BWDM412 Budd Wheel Socket

- For 1986 and later Nissan® and Isuzu® classes 4, 5, 6 and 7

BWDS483 Budd Wheel Impact Socket

- Dual-opening socket allows just one socket to remove the outer Hex nut and the inner square nut used on Budd wheel assemblies for semi trucks and buses
- Flank Drive® wrenching system configuration
- Special alloy steel for strength and durability
- Some Budd wheel assemblies have long inner nuts while some have short inner nuts. The BWDS483 is designed to engage only short inner nuts; for long inner nuts, use the BWD483

Stud Remover and Installer


BWS1316A

BWS1316A Stud Remover (Blue-Point®)

- Use on 13/16" studs on Budd wheels

WSK755 Light Truck Wheel Stud Kit (*Blue-Point*)

- Use on most US and import light trucks and SUVs
- Self-centering units permit quick installation the first time
- Will not damage threads: use with impact wrenches
- Clamshell container for storage
- Includes 9/16"-18, 1/2"-20, 12 mm-1.75 and 14 mm-1.5 installers plus spacer and washer

Stock No.	Square Drive, inches	Wrench Size	Length
BW626A	3/4	13/16" square	4"
IM562	3/4	1 3/4" hex	2 3/4"
SIMM332	3/4	33 mm hex	82.6 mm
BW726A	1	13/16" square	2 1/4"
SIMML332	3/4	33 mm hex	152.4 mm
SIMML333	1	33 mm hex	152.4 mm


WSK755

WSK938 Automotive Wheel Stud Kit

- Use on most US and import cars
- Self centering units permit quick installation the first time
- Will not damage threads: use with impact wrenches
- Clamshell container for storage
- Includes 7/16"-20, 1/2"-20, 12 mm-1.25 and 12 mm-1.5 installers plus spacer and washer


BW626A

Impact Sockets

- Use with socket retainers listed below
- Industrial finish

IMPACT SOCKET RETAINERS

3/4" Drive

IM182R Rubber Locking Ring

- For all 3/4" drive units

IM182P Steel Locking Pin

IMR2 Socket Retainer

- 1" Drive

IM243P Steel Locking Pin

- For use with IM243R
- Fits IM35

IM243R Synthetic Rubber Locking Ring

- For IM35, IM243–IM443 and SIM223–SIMM353

IMR3 Socket Retainer

- For all 1" drive sockets
- One-piece retention system holds socket to impact wrench anvil

BEAD BREAKERS

Bead Breakers


TR200

TR200 Bead Breaker

- For bus, truck or tractor tires
- Sliding hammer weighs 13 lb
- Stroke length is 16"; overall length is 46" closed and 62" expanded


BH102

BH102 Hammer

- 9 1/4 lb 32" long handle gives force and leverage for bead breaking on auto and large truck tires
- Rubber hand grip

BH102-1 Replacement Hammer Handle

⚠WARNING • Read safety precautions on pages W1 to W4

TIRE AND WHEEL: GENERAL SERVICE TOOLS



B2193

Carrier Assembly Socket for Toyota®/ Lexus® vehicles

B2193 Spare Tire Carrier Assembly Socket, 5-point for *Toyota/Lexus*

- Tough nickel chrome plating provides corrosion resistance
- Special alloy steel provides the highest match of strength and durability
- Overall length: 4" long

Applications:
Great time saver for PDI (Pre-Delivery Inspection) when selling a new vehicle and you want to check the air pressure of the spare tire. Saves time when doing an oil change and the air pressure of the spare tire is checked as part of the service.



TR100 TR102 TSP813

Rim

TR100 Rim Tool

- Use on split rims and rim lock rings
- One end is angled; the other is straight
- 19 1/8" long with 9/16" and 5/8" wide ends

TR102 Rim Tool

- For drop center rims
- 18" long with a 1 3/8" wide end

TSP813 Motorcycle Tire Spreader

- Permits one-person installation of tubed tires on motorcycles, ATVs, small farm equipment and industrial equipment
- Easily access valve stem hole when installing difficult 90° valve stems on tubed tires
- Overall length is 23"



S6129 YA105 SRT1

Seal

S6129 Seal Puller

- Designed to pull wheel bearing or other small seals
- 7" long: industrial finish

YA105 Seal Puller

- For removing rubber seals
- Two tips designed to reach in and fit nearly all seal applications
- 12 5/8" long

SRT1 Seal Removal Tool

- Saves time and labor by eliminating prying against bearings or driving out seals
- Grabs seal only, leaving bearings undamaged
- Seals remain intact allowing for complete failure analysis
- Wedges and long handle provide exceptional leverage
- Heavy duty construction for long life and dependability
- Works with steering, drive and trailer wheel seals on the largest heavy duty wheels



388CF SGCP1BR

Cotter Pin Pullers

388CF High Leverage Diagonal Cutters

- High leverage cutter pulls cotter pins with ease
- 1 1/16" jaw length
- 8 5/16" long
- Vinyl grips

SGCP1BR Cotter Pin Puller

- Make short work of pulling even large pins
- Heat treated shank provides maximum strength
- Soft grip handle: 8 1/2" long



S9094B CP9

S9094B Cotter Pin Puller

- Pins removed by hitting anvil sharply
- Side handle ensures a firm grip
- 10" long
- Replaceable steel hook

S9094A2X Replacement Hook and Rivet Set

- For S9094B

CP9 Cotter Pin Puller

- 38° angle end pries cotter pin loose
- 105° angle end pulls it out
- 10" long



BF620C BF623

Mallets (Blue-Point®)

BF620C Rubber Head Mallet

- Solid rubber head is 3 3/4" long, 2 1/4" diameter
- 11" hardwood handle

BF623 Soft Blow Mallet

- Designed to reduce marring and denting
- Use in assembly applications and on all types of surfaces including metal, glass, plastic and wood
- Special polymer head resists dynamic fatigue, creep and compression set, even at extreme temperatures



TWP8

Truck Wheel Pan *(Blue-Point)*

TWP8 Truck Wheel Pan

- Helps prevent messes and spills
- Fits rims with 13 3/4" inside diameter or larger for use on most large trucks and trailers
- Holds 88 oz of oil
- Pan will not warp if oil is warm
- Compartment above handles holds hub nuts



GCP10

Dustcap

GCP10 Grease and Dust Cap Tool

- Tapered jaws fit behind the crimped edge of grease cap
- One handle designed for prying hub caps loose



YA9020A

Wheel Chocks *(Blue-Point)*

YA9020A Truck Wheel Chocks

- Heavy duty truck chocks are connected by a 10' nylon rope and measure 8" wide and 8" high overall
- Non-slide design

Ball Joint Presses

Stock No.	BJP1 Set Components	ID.-OD, inches	Length, inches
BJP1-1	Sleeve Adaptor	1 9/32–1 21/32	2 1/8
BJP1-2	Pressure Screw, 1 1/8-7 UNRC thread, 7/8 hex	—	9 3/4
BJP1-3A	Pressure Pad (Ball Joint)	NA–1 19/32	3 3/16
BJP1-4	Pressure Pad (Universal Joint)	NA–7/8	3 3/16
BJP1-5	Adaptor	29/32–1 11/32	1 13/16
BJP1-6	Adaptor/Extension	1 1/4–1 21/32	2 1/16
BJP1-7	Adaptor	1 11/16–1 29/32	1 1/8
BJP1-8	Adaptor	1 25/32–2	1.00
BJP1-9	Adaptor, Front face angled 4.5º	1 27/32–2	1 1/4
BJP1-10A	Adaptor, Front face angled 4.5º	2 11/32–2 21/32	2 1/8
BJP1-11A	Adaptor	2–2 1/4	2 1/8
BJP1-12A	Adaptor	2 1/4–2 1/2	2 3/4
BJP1-13B	Adaptor	2 7/16–2 3/4	1 11/16
BJP1-14A	Adaptor	2 11/16–2 15/16	2 3/4
BJP1-16A	Adaptor	2 1/4–2 1/2	1 1/8
BJP1-17	Grease Fitting (for BJP1F Press Frame)	2 1/4–2 1/2	1 1/8



BJP1



BJP1HONDA



BJP1OPT



BJP1-26A



BJP1-27A



BJP1-18A

BJP1 Master Ball Joint/Universal Joint Press Set
- Master ball joint press set covers 95% of current US SUVs, light trucks and passenger cars

Applications: Ford® (43 models), GM® (53 models), Dodge®/Daimler-Chrysler® (54 models) and Jeep® (16 models) vehicles
- Installs and removes ball joints with pre-fitted straight grease fittings
- Press frame features large throat for increased ball joint applications and vise mount capability for U-joint applications
- Locking cup design holds cup in place
- Large, coarse thread pressure screw for extra strength and maximum force
- Grease zerk fitting for smooth screw action. Includes full ball joint/universal joint application chart and storage/carrying case

BJP1F Press Frame
- 7 13/16" throat opening; 3 1/2" depth; 6" height; 10 13/16" length

BJP1HONDA Adaptor Set for Honda® Vehicles
- For removal and installation of upper/lower ball joints on many Honda® and Acura® vehicles: must be used with BJP1 master ball joint/universal joint press set. Includes BJP1-22 and BJP1-24 ball joint adaptors plus (two each) ME7A208 O-rings

BJP1OPT Adaptor Set
- Special application set for removal and installation of upper and lower ball joints
- Set must be used with the BJP1 Master Ball Joint Press Set
- Includes BJP1-22A, BJP1-24A, BJP1-25A, BJP1-26A and BJP1-27A Ball Joint Adaptors in storage tray

BJP1-22A Adaptor
- For removal and installation of upper/lower ball joints on many *Honda* and *Acura* vehicles: must be used with BJP1 master ball joint/universal joint press set

BJP1-24A Adaptor
- For removal and installation of upper/lower ball joints on many *Honda* and *Acura* vehicles: must be used with BJP1 master ball joint/universal joint press set

BJP1-25A Receiver Adaptor
- Use with the BJP1 master ball joint/universal joint press set for quick removal and installation of ball joints on *Ford* F450 and F550 trucks from 2005–2007

BJP1-26A Adaptor
- This new, optional adaptor is to be used with the BJP1 Master Ball Joint/Universal Joint Press Set
- Use BJP1-26 in combination with BJP1-4 to remove or install front axle U joints for 2002 – present *Dodge* Ram® 2500 and 3500 Series with the American 9.25 axle

BJP1-27A Adaptor
- Adaptors required to work on the 1995–2008 *Ford* Explorer
- Lower Ball Joint:
  Install ram – BJP1-6 and BJP1-12, Install receiver – BJP1-16, Remove ram – BJP1-3, Remove receiver – BJP1-27

ME7A207 Retaining Ring
- Retaining ring included in BJP1 and UJP1 sets

ME7A208A Large Snap Ring
- Large snap ring included in BJP1 and UJP1 sets

ME7A209 Small Snap Ring
- Small snap ring included in BJP1 and UJP1 sets

ME9A34 Steel Ball
- Steel ball included in BJP1 and UJP1 sets

BJP1-18A Receiver Adaptor
- Use with BJP1 for quick removal and installation of lower ball joints on *Dodge*/Mercedes® Sprinter® van models from 2003–2007
- Tools required for lower ball joint removal/installation include: install ram (BJP1-11), install receiver (BJP1-13), removal ram (BJP1-6) and removal receiver (BJP1-18)
- No upper ball joint applications apply to this tool

RKBJP Repair Kit

PAKPB061 Storage Case

ZBJP1B BJP1 Owners Manual

WARNING • Read safety precautions on pages W1 to W4

WHEEL ALIGNMENT: BALL JOINT



A204

Ball Joint/Tie Rod Separators

Stock No.	Jaw Opening, inches	Overall Length, inches
A204	5/8	12
A200	13/16	18
A201	1	12
A203	1 1/4	12



S9365B

Ball Joint Sockets

S9365B Ball Joint Socket
- For medium size Chrysler® cars
- 3/4" square drive
- Wrench size is 1 59/64", length is 2"

S9479A Ball Joint Socket
- For Dodge®/*Chrysler* pickups and vans
- 3/4" square drive
- Wrench size is 2 9/64", length is 2"



S9613

S9613 Ball Joint Socket
- Use on 4-5B axles such as found on *Dodge*, Ford®, Chevrolet®, GMC® and International® four wheel drive trucks
- Adjusts the sleeve in the top of the yoke on the front suspension
- 1/2" square drive, 1" OD, 2 1/8" long



BJR1

BJR1 Ball Joint Socket
(Subaru® vehicles)
- Easily removes stubborn ball joints on select *Subaru* vehicles
- Stay safe dealing with low clearance and heavy corrosion
- Baja, 2003–2006
- Forester®, 1998–2010
- Impreza®, 1993–2010
- Legacy®, 1990–2010
- Outback®, 2000–2010



BJR2

BJR2 Ball Joint Socket
(*Subaru* vehicles)
- Faster, safer ball joint removal for *Subaru* vehicles
- Easily remove stubborn ball joints for increased productivity
- 3/4" hex on pressure screw can be driven by hand or with impact gun
- Beat the flat rate by doing the job faster and with less effort
- Industrial finish helps protect against corrosion
- Use on *Subaru* Tribeca® vehicles 2006–2012



IMDM410

IMDM410 12-Point Metric Shallow Impact Socket
Applications: For removing and installing the lower ball joint on 2013–current BMW® 5 and 7 series vehicles
- 41 mm, 12-point, 1/2" drive

SERVICE TOOLS

1658C

General Service Tools (Blue-Point®)

1658C Pinch Bar
16" long.



2420A Pinch Bar
20" long.

2430C Pinch Bar
Tapered point on one end and a chisel type edge on the other. 7/8" edge, 7/8" stock, 38" overall length.



YA7970

YA7970 Hub Clamp Expander
- Designed for hubs and clamping style struts and ball joint mounts
- Allows easy removal and installation of struts and ball joints
- Interchangeable spreaders prevent damage to aluminum or cast iron hubs
- Adjustable for use on hubs with centralized or non-centralized slot
- Allows for on the vehicle repair

General Service Tools



SIML160

SIML160 6-Point Extra Deep Impact Socket
- Use to remove or replace fuel tank retaining strap nuts
- Also has applications on emergency brake adjustment nuts and stabilizer retainers
- 1/2" square drive; 1/2", 6-point wrench opening
- 5" long

General Service Tools

GCP10 Grease and Dust Cap Tool
- Tapered jaws fit behind the crimped edge of grease cap
- One handle designed for prying hub caps loose



GCP10

GAW1290 Wheel Alignment Wrench
- 18 1/2" long for extra leverage
- 21 mm 12-point with special angle and bi-directional offset to access difficult to reach bolts
- 24 mm 12-point deep offset for access to guarded bolt heads without the sloppiness of breaker bar and socket
- 24 mm 12-point deep offset for access to 12-point bolt heads with access to lock nuts through the socket
- Use on alignment bolts for Audi®, VW®, Porsche®, BMW® and Mini® vehicles



GAW1290

TC90A Tail Pipe Cutter
- Handles on the car cutting from 3/4"–3 1/2" diameter
- 16-link cutter chain is 12" long
- Threaded shaft with cross piece provides elasticity to help prevent chain wheels from breaking
- Ideal for cutting the strut assembly to enable servicing of the strut cartridge



TC90A

TC90A1 Chain Assembly
- Includes one wheel and one roll pin

BF620C Rubber Head Mallet (Blue-Point®)
- Solid rubber head is 3 3/4" long, 2 1/4" diameter
- 11" hardwood handle



BF620C

B240B Brake and Accelerator Pedal Jack *(Blue-Point)*
- Holds throttle at a constant rpm
- Easily adjusts to desired length
- Adjustment screw fine-tunes desired RPM
- Rubber tip keeps the tool firmly positioned
- Overall length of 40" (102 cm)
- Can also be used as a pedal depressor



B240B

YA6510 Bushing Extractor *(Blue-Point)*
- Used on Acura® Integra® (1994–2001) plus various Honda® vehicles (1988–2001)

YA6510-2 Bushing Extractor Adaptor *(Blue-Point)*
- Enables the YA6510 bushing extractor to be used on 1990–1993 *Integra* vehicles



YA6510

SHOCK ABSORBER

Shock Absorber Sockets

Stock No.	Square Drive, inches	Wrench Oval Width	Wrench Oval Diameter	Length
A137	3/8	1/4"	5/16"	29/32"
A138	3/8	15/64"	21/64"	29/32"
A139	3/8	6 mm	8 mm	23 mm

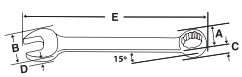


A137

CASTER CHAMBER

Wrenches

Metric combination wrenches. Long handle design for access.



mm	Stock No.	A	B	C	D	E
17	OEXLM17B	25	35	11	8	298
18	OEXLM18B	27	37	12	8	314
19	OEXLM19B	28	39	12	9	330



OEXLM18B

C6630 Camber/Caster Alignment Tool
- Works on 2003 and later GM® "G" Series Chevy® Express and GMC® Savanna vans
- Eliminates need to use the front 21 mm eccentric bolt, which is difficult to access behind a steel shield
- Hook tool on the top "A" arm and, with locking nut loosened, push or pull for easy caster and camber adjustment
- Saves about 15 minutes per side



CC6630

⚠WARNING

- Do not use "cheater bars" on handles
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

WHEEL ALIGNMENT: TIE ROD


WA13A


WA17


YA2218


YA2222


YA3500


WW500


YA6870


WW600


TRW1

Tie Rod Adjusting Tools

WA12A Tie Rod Adjusting Tool
- For large cars and light trucks
- 1/2" square drive: 3 3/4" long

WA13A Tie Rod Adjusting Tool
- For compact and medium cars
- 1/2" square drive: 3 3/4" long

WA16 Tie Rod Adjusting Tool
- For large trucks
- 1/2" square drive: 4 7/64" long

WA17 Tie Rod Adjusting Tool
- Designed to permit 360° rotation of the adjusting sleeve, even in tight quarters
- Use on 1 7/8" sleeves on full size 3/4 and 1 ton pickups, including Ford® Super Duty
- Use with 1/2" square drive ratchet or breaker bar
- Chrome finish: 4 3/4" long

YA2218 Tie Rod Adjusting Wrench
- For US and import vehicles with rack and pinion steering using tie rods with knurled or 17.0 mm–18.5 mm hex gripping sections
- Spring loaded jaws and comfort grip handle

YA2222 Tie Rod Adjusting Wrench
- For US and import vehicles with rack and pinion steering using tie rods with knurled or 12 mm hex gripping sections
- Spring loaded jaws and comfort grip handle
- 10 1/2" long

YA2223 Tie Rod Adjusting Wrench
- For rack and pinion steering using 14 mm–15.5 mm tie rods
- Spring loaded jaws and comfort grip handle
- Applications: 1995 and later Dodge® Dakota® and Caravan®, 1998 and later *Dodge* Durango®, *Dodge* Viper® and most 1999 and later GM® 1/2, 3/4 and 1 ton trucks

YA2224 Tie Rod Adjusting Wrench
- Similar in design to YA2222 but for 10.5 mm–12 mm diameter tie rods like those found on *Ford* Escort®, *GM* Geo, and smaller Nissan® vehicles with rack and pinion steering
- Spring loaded jaws and comfort grip handles
- 9 1/2" long

YA3500 Universal Inner Tie Rod Wrench (Blue-Point®)
- Removes inner tie rods equipped with completely round end sockets or flats
- Designed to remove and install all inner tie rod sockets up to 1 15/32"
- Wrench head has three set screws that tighten against the socket
- Includes 1/4" short head hex wrench
- Lifetime warranty

WW500 Rack Wrench *(Blue-Point)*
- Use on steering racks to service inner tie rod ends
- Fits rack end with hex drive, round with two drive flats or round with no drive flats
- Universal fit from 33 mm–41 mm (1 15/16"–1 9/16") and hex sizes from 31 mm–35 mm (1 1/4"–1 3/8"), 19 mm (3/4") hex drive
- Clamp force increases as load is applied

YA6870 Rear Toe Adjustment Kit for Subaru® Vehicles
- Includes two wrenches: each 16" long for extra reach
- YA6870-1: 6-point, 22 mm wrench with the correct 0° offset to securely hold the cam bolt
- YA6870-2: 6-point, 17/19 mm dual-ended wrench designed to meet the high torque levels required when loosening/tightening the cam bolt retaining nut
- Used on all *Subaru* vehicles 1990 and later
- YA6870-1 fits *Subaru* vehicles 1990 and later: YA6870-2 fits 1990–2008 *Subaru* vehicles (17 mm) and 2009 and later (19 mm)
- High quality steel is specially heat treated for torque requirements

YA6870-1 Toe Adjustment Wrench for *Subaru*
- Cam bolt wrench for *Subaru*
- YA6870-1 fits *Subaru* vehicles 1990 and later

YA6870-2 Toe Adjustment Wrench for *Subaru*
- Cam bolt retaining nut wrench for *Subaru*
- YA6870-2 fits 1990–2008 *Subaru* vehicles (17 mm) and 2009 and later (19 mm)

WW600 Heavy Duty Rack Wrench *(Blue-Point)*
- New larger size provides added coverage for US and import trucks and SUVs
- Suits multiple rack ends and sizes (hex drive, round with two flats, round with no flats)
- Fixed position rings provide added strength
- Patented cam design increases force as load is applied
- Universal design suits rack end diameters from 38 mm–46 mm (1 1/2"–1 7/8")
- Use on vehicles with limited access to avoid the need to remove the rack assembly
- WW600 expands upon the already available WW500 which does 33 mm–41 mm (1 5/16"–1 9/16") tie rods

TRW1 Wrench, Tie Rod
- Use to adjust tie rods on vehicles with rack and pinion steering
- Works on spline, hex and two flat design tie rods
- Spring loaded upper jaw pivots to accommodate tie rods ranging in sizes from 10mm–18 mm
- Wrench is self-adjusting
- Cam action increases the gripping pressure as the load applied to the handle increases
- Heat-treated for durability


YA3000D


WA14A


WA800


ITRS22


YA3300

Tie Rod Removal/Installation Tools

YA3000D Inner Tie Rod Tool (Blue-Point®)
- Removable crowfoot adaptors are placed on hex of tie rod
- Engages crowfoot for removal or installation of tie rod
- Includes crowfoot adaptors in 13/16", 11/4", 15/16", 17/16", 11/2" and 33.6 mm sizes

WA14A Tie Rod End Socket
- For removing tie rod ends
- Fits most cars and some trucks
- U-shaped opening measures 13/8" x 3/4"
- Use with 1/2" square drive handles. 1 15/16" ID, 2 1/4" long

WA15 Tie Rod End Socket
- Similar to WA14A
- For tie rod servicing on most any truck in the Class 2–6 range
- U-shaped opening measures 17/8" x 15/16"
- Use with 1/2" square drive handles. 2 1/2" ID, 2 7/8" long

WA800 Heavy Duty Truck Tie Rod Socket
- Use on most Class 7 and 8 heavy duty trucks with 9,000–20,000 lb axles
- U-shaped slot measures 17/8" x 11/2"
- Inside diameter 3"
- Overall length 3 1/2"

ITRS22 Tie Rod Bushing Socket *(Blue-Point)*
- Use to access the inner tie rod bushings on Chrysler® LHS/Concorde® and Dodge® 300M/Intrepid® featuring the LH body style
- Low-profile design provides easy access to install or remove the 7/8" or 22 mm hex head bolts
- A conventional socket cannot be used in this application

YA3300 Universal Inner Tie Rod Set *(Blue-Point)*
- A faster, easier and more secure way to replace tie rods
- Quick on/off interchange between the two knuckles
- Easy self-adjusting and cinching in various shapes and sizes
- No more guesswork or fuss with crowfeet style tools
- Kit includes YA3300-1 large head (40 mm–45 mm), YA3300-2 medium head (35 mm–40 mm) and YA3300-3 tube in YA3300-Case storage case

MacPherson/Coil Spring Compressors

WA92 Coil Spring Compressor
- Holds coil spring at desired tension for removal of other parts
- 11" screw
- Liberally lubricate threads with anti-seize compound


WA92

MSC1 Master MacPherson Strut Tool *(Blue-Point)*
- Designed to quickly and easily compress most MacPherson strut springs
- Compresses up to 5/8" coil diameter
- Broad spring contact for stable compression
- ACME® threaded rod and built in detent latches to help lock coil in place
- Forged construction for strength and durability

MSC2 Coil Spring Compressor *(Blue-Point)*
- Removes and installs coil springs quickly and safely
- Compresses coil springs on all passenger cars and pickup trucks
- Features *ACME* threaded rod
- Includes instructional card


MSC2

MSCS1000 Master Spring Compressor Set
- Includes MSC1 and MSC2 in storage case


YA8730

Strut Nut Socket for VW®/Audi® Vehicles

YA8730 Strut Nut Socket for *VW/Audi* Vehicles
- For late model front wheel drive vehicles to remove the top strut retaining nut


YA9260


WA7500

Strut Tools for Ford® and GM® Vehicles

YA9260 Front Strut Cartridge Tool Set for *GM* Vehicles
- Removes and installs front oil- or gas- filled strut cartridge on 1988 and later *GM* W-platform vehicles
- Works on both manufacturer's stock oil-filled shocks and gas-filled aftermarket shocks

YA9260-1 Strut Cartridge Nut Wrench
- Strut cartridge nut wrench from YA9260 set

YA9260-2 Strut Jounce Bumper Wrench
- Strut jounce bumper wrench from YA9260 set

WA7500 Strut Cartridge Tool for GM Vehicles
- Replaces strut cartridge through the body shock tower on *GM* 10 Series ("W" Car) vehicles
- Includes 1988 and later Pontiac® Grand Prix®, Oldsmobile® Cutlass and Buick® Regal®; 1989 and later Chevrolet® Lumina

Bushing Tool *(Blue-Point)* for Honda®/ Acura® Vehicles

YA6810 Bushing Tool Kit for *Honda/Acura* Vehicles
- Used in removing and installing *Honda* and *Acura* lower control arm bushings without the need of a press

Applications:

Honda:
- Civic® 2001–2005
- CRV 2002–2006
- Element® 2003–2006
- Pilot® 2003 and later
- Odyssey® 2005 and later
- Ridgeline® 2006 and later
- Accord® 2003–2007

Acura:
- MDX® 2000–2006
- TL® 2000–2007


YA6810

⚠WARNING
- Do not use "cheater bars" on handles
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

WHEEL/AXLE PULLERS: KING PIN PULLERS



CG430HYC

20 Ton Capacity Hydraulic

Stock No.	Pressure Screw	Yoke Adaptor	Work Head	Yoke Post (2)	Post Nut (2)	Pilot Guide	1 3/8" x 7/8" Bushing	1 3/8" x 3 1/4" Bushing	Expansion Plug	Hydraulic Power Pack	7/8" Diameter Pilots
CG430HYC	CG430-1	CG430-2	CG430-3	CG430-4	CG45-2	CG430-6	CG430-7	CG430-8	CJ91-2A	CG420A	**CG230-9** (6")
–	–	–	–	–	–	–	–	–	–	–	**CG230-8** (4")
–	–	–	–	–	–	–	–	–	–	–	**CG230-10**(8")

CG430HYC Hydraulic King Pin Press Set
- CG420A hydraulic ram and pump delivers up to 20 tons of controlled power to remove stubborn king pins on large vehicles with king pin diameters up to 1 1/4"
- Also removes brake shoe anchor pins on trucks
- Wide side arm construction
- Uses three pilots: 7/8" x 4", 7/8" x 6", and 7/8" x 8"
- Includes two guide bushings: 1 3/8" x 7/8" and 1 3/8" x 3 1/4"

CG430HYC2S Hydraulic King Pin Press Set
- CG430HYC Set with CG420A2S ram and two-stage pump

35 Ton Capacity Hydraulic

Stock No.	Pressure Screw	Yoke Adaptor	Work Head	Yoke Post (2)	Pilot Guide	Post Nut (2)	1 15/16" Bushing	1 9/16" Bushing	1 13/16" Bushing	Hydraulic Power Pack	Pilots
CG730HY	CG730-1	CG730-2	CG730-3	CG730-4	CG730-6	CG750-7	CG730-7	CG730-8	CG730-9	CG420A	**CG730-12** (6 3/4")
–	–	–	–	–	–	–	–	–	–	–	**CG730-10** (2 1/4")
–	–	–	–	–	–	–	–	–	–	–	**CG730-11** (4 1/2")
–	–	–	–	–	–	–	–	–	–	–	**CCG730-15** (6")
–	–	–	–	–	–	–	–	–	–	–	**CG730-13** (9")
–	–	–	–	–	–	–	–	–	–	–	**CG730-16** (9 1/2")
–	–	–	–	–	–	–	–	–	–	–	**CCG730-14** (11 1/4")

CG730HY2S CG730HY Set with CG420A2S ram and two-stage pump

CG730HY Hydraulic King Pin Press
- For use on large trucks and semi trucks with king pin diameters from 1"–2"
- Similar to CG430HYC except it uses 35 ton hydraulic power components (CG720 ram, CG420-2A pump, CG420-3-1 hose and CG420-4 quick coupler)
- Includes three guide bushings and seven pilots

CG730HY2S King Pin Press Set
- CG730HY Set with CG420A2S ram and two-stage pump

CG730 King Pin Press Set
- CG730HY Set less the hydraulic power components



CG230A

Manual Set for 3/4 and 1 Ton

Stock No.	Spread, inches	Reach, inches	Pressure Screw	Screw Yoke	Screw Yoke Post (2)	Post Nut (2)	General Use Head	1 1/4" Bushing	7/8" Diameter Pilots	Adaptor
CG230A	5 1/8	12 3/16	CG230-1	CG230-2A	CG230-4	CG230-5	CG230-3A	CG230-6	**CG230-9** (6")	**CG230-11**
–	—	—	–	–	–	–	–	–	**CG230-7** (2")	–
–	—	—	–	–	–	–	–	–	**CG230-8** (4")	–
–	—	—	–	–	–	–	–	–	**CG230-10** (8")	–

CG230A Truck King Pin Press Set
- Spread 5 1/8"; Reach 12 3/16"
- Includes: 1 1/4" bushing guide, adaptor and 4 7/8" diameter pilots 2", 4", 6" and 8"

Applications:
Heavy trucks, buses and vans having king pins larger than 7/8", including Ford® 3/4 ton and 1 ton trucks and vans.

Wheel Hub Removal Adaptor

DHP1 Wheel Hub Removal Adaptor for Dodge® Vehicles

- Designed to remove the front hubs found on 3/4 ton (2500 series) and 1 ton (3500 series) *Dodge* pickup trucks
- Cut the flat rate for changing out U-joints, front differential service, ball joints and any front hub service
- On average it takes 3.4 hours to do both sides using a sledge hammer, torch or heavy duty slide hammer. With the DHP1, it takes about one hour to do both sides
- No broken rotors when using a sledge hammer
- No heavy slide hammers to use
- Wheel bearing and seal will not get damaged



DHP1

FHP1 Wheel Hub Removal Adaptor for Ford® Vehicles

- Designed to take off the front hubs found on the F250® and F350® series *Ford* pickup trucks
- Cut the flat rate for changing out U-joints, front differential service, ball joints and any front hub service
- Soft insert of socket will not damage the studs



FHP1

Pullers

CJ129A Universal Wheel Hub Puller

- Remove front wheel/axle assembly on all front wheel drive *Ford*, GM®, Chrysler® and most imported cars
- Also use to remove rear brake drums on tapered axles such as those found on AMC® and *Chrysler* vehicles
- Removable anvil fits over 1 1/8" hex on pressure screw
- Includes adjustable legs



CJ129A

4567SH Bolt-on Axle Shaft Puller

- Breaks axles loose on *Ford* and *GM* vehicles and light trucks with flange-type axles
- Includes housing, three removable jaws, 10 lb slide hammer and 1 1/2"-12 x 23 1/2" slide screw with a 1 1/2" hex
- Fits any bolt pattern with a 4"–7" bolt circle



4567SH

YA498A Front Wheel Drive Hub Puller

- For most US and import vehicles with independent front suspension
- Pressure screw size is 5/8"-18w x 5 1/2"



YA498A

Slide Hammer and Shaft

CJ1250 12 lb Slide Hammer

- Designed to pull rear axles
- Slide hammer is approximately 25 1/4" long with a 5/8"-18 thread
- Can be used with the YA498A hub puller



CJ1250

⚠WARNING
• Screen puller application
• Read safety precautions on pages W1 to W4

DRIVE LINE: DIFFERENTAL


M3548A


M3586


M3587


IMDM360


A176


S6657

Differential Service Tools

Stock No.	Wrench Size, inches (mm)	Drive Size, inches	OD Wrench End, inches (mm)	OD Drive End, inches (mm)	Bolt Clearance, inches (mm)	Hex Depth, inches (mm)	Overall Length, inches (mm)
M3548A	2 3/4	3/4	3 9/16	1 3/4	2 5/16	1 7/32	3 3/4
M3586	1 7/8	3/4	2 3/8	1 3/4	2	1 1/8	2 3/4
M3587	(36)	3/4	2	1 3/4	1 9/16	1	2 1/4
IMDM360	(36)	1/2	(50.8)	(46)	(41.3)	(22.2)	(57.2)

M3548A Diesel Pinion Nut Impact Socket
- Use on pinion nuts only

M3586 Pinion Nut Impact Socket
- Use to remove pinion nut on Dana® 80 series axles on late model Ford® and Dodge® trucks
- Designed to handle the specific application

M3587 Pinion Nut Impact Socket
- Use to remove pinion nut on 2005 Cadillac® CTS, 2003 GM® and 2004 *Dodge* trucks with 11.5" AAM axles
- Additional applications: removal of late model BMW® axle shafts plus *BMW* E38, E39, M3 and SUVs with 36 mm 12-point axle nuts
- Designed to handle the specific application

IMDM360 Impact Socket

Applications: Use to remove pinion nuts on 2003 *GM* and 2004 *Dodge* trucks with 11.5 AAM axles. Other used include Duramax® diesel front crankshaft bolts and late model *BMW* axle shafts.

A176 Differential Adjusting Wrench
- For most differentials where 9/32" and 17/32" adjustment nuts are found
- Useful on transmissions, steering gears and some water pumps where adjustable spanner wrench is required
- 10" long

S6657 Shallow Impact Socket
- 57 mm, 12-point, 1/2" drive

Application:
For removing and installing the differential adjusters on 2011 and newer *GM* 2500 and 3500 HD (9.25") front axles

FRONT WHEEL DRIVE TOOLS


YA3050


YA3080


YA3085


KD3191

Boot and Joint Tools

YA3050 Boot Clamp Pliers
- For earless type clamps, including those found on late model *GM* inboard CV universal joints

YA3080 Boot Clamp Pliers
- For ear-type clamps
- Sturdy enough for ear type clamps, including late model *GM* outboard CV universal joints
- Use with a torque wrench to meet required specifications

YA3085 Boot Banding Tool
- For reinstallation of Band-it® or Band-it Jr.® boot bands

KD3191 Joint Clamp (Blue-Point®)
- Use to wind up the free end of the clamping band
- Holds tension until band can be clipped down
- For use with *Band-it*-style free end clamps, roll band, and clips or *Band-it Jr.*-style preformed clamps
- Socket with ratchet is used to turn the actuating screw for adjustment



FBG1



CVBOOTLG



CVBOOTRP



CVBOOTSM

Boot and Joint Tools (Blue-Point®)

FBG1 Flex CV Boot Installer
- Reduce CV boot installation to less than 20 minutes
- Tool stretches the CV boot, allowing it to slip over the trunion for rapid installation and reduced fatigue
- Includes flex boot Installer, FBGAR air regulator and storage case
- Use CV boots listed on this page

FBGAR Air Regulator
- Air regulator for FBG1 flex CV boot installer

CVBOOTKIT Complete CV Boot Replacement Kit
- Six each CVBOOTSM
- Four each CVBOOTLG
- Two each CVBOOTRP

CVBOOTXS ATV Replacement Boot
- Fits most ATV boot applications
- Includes boot, clamps and grease

CVBOOTXSPK ATV Replacement Boot Kit
- Package of 12 CVBOOTXS

CVBOOTLG Large CV Boot
- Fits most cars and SUVs with large CV boots
- Includes boot, clamps and grease

CVBOOTLGPK Large CV Boot Kit
- Package of 12 CVBOOTLG

CVBOOTSM Small CV
- Fits most cars and SUVs with small CV boots
- Includes boot, clamps and grease

CVBOOTSMPK Small CV Boot Kit
- Package of 12 CVBOOTSM

CVBOOTRP Universal Rack and Pinion Kit
- Fits rack and pinion boots on most cars
- Includes boot, clamps and grease

CVBOOTRPPK Universal Rack and Pinion Boot Kit
- Package of 12 CVBOOTRP
- Includes boot, clamps and grease



HST100-1



FABLM8E

Half Shaft Removal Tools

HST100-1 Half Shaft Removal Tool
- 0.900" diameter
- Easily removes half shaft on most US and import front wheel drive vehicles with gentle tap from brass mallet

HST100-2 Half Shaft Removal Tool
- 0.940" diameter
- Easily removes half shaft on most US and import front wheel drive vehicles with gentle tap from brass mallet

Front Wheel Drive Service Tools

FABLM8E Metric Long Ball Hex Driver
- 8 mm hex, 3/8" drive
- For 1978 and later Dodge® Omni and Plymouth® Horizon standard transmission drive axle flange bolts

WARNING • Read safety precautions on pages W1 to W4

DRIVE LINE: TRANSMISSION



YA2340



YA7244A



XLE1012A



S5902



EEPV508



SLEPL200



LDT3812



LDTM3812



FIH9057B



YA321

Transmission Service Tools

YA2340 Sealing Cap Set
- Retain transmission fluid by sealing transmission and transaxles when drive shaft or drive axle is removed on most US and import vehicles
- Side gear centering for Ford® transaxles
- Five caps cover a range of 1"–2 3/16"
- Segmented design prevents caps from slipping

YA7244A Quick Connect/Disconnect Tool
- For late model *Ford* vehicles using push lock connectors on transmission cooler lines as well as on fuel lines
- Diameter is 1 1/4"

XLE1012A TORX® Box Wrench
- Box end *TORX* sizes are E10 and E12
- Drive shaft must be removed when towing 1980 Chevrolet® Corvette® and 1/2, 3/4 and 1 ton GMC® and *Chevrolet* trucks
- Designed to access drive line fasteners
- Also services AMC® drive lines

S5902 Oil/Transmission Plug Wrench
- Box ends are 17 mm, 6-point and 21 mm, 12-point
- Designed for VW® transmission drain plugs
- 258 mm long

EEPV508 Automatic Transmission Pressure Gauge Set
- Use on all major manufacturer US and import vehicles
- Includes: two gauge assemblies for high- and low-pressure ranges, nine adaptors to test a wide variety of US and import automatic transmissions, comprehensive instruction manual with applications table and storage case
- Four special fittings are also included for connection to hard-to-reach test ports in areas requiring a 45° or 90° angle
- High-pressure gauge assembly includes 3.5" diameter gauge and 10' flexible hose with fluid coupler
- Low pressure gauge assembly includes 2.5" diameter gauge and 6' flexible hose with fluid coupler

SLEPL200 TORX Plus® External Socket
- SLEPL series of *TORX Plus* sockets with shallow countersink are designed for use on external *TORX Plus* low-profile head fasteners so the user can fully engage the fastener head
- For removal and installation of low-profile drive plate and flywheel bolts on QR25 Nissan® motors with automatic transmissions
- It is similar to the J-45816 *Nissan* specialty tool
- For flywheel bolts on QR25 *Nissan* motors with manual transmissions, use the 3/8" drive FTX50TPE male T50 *TORX Plus* Socket

LDT3812 Transmission Oil Cooler Line Disconnect Tool
- Two sizes (3/8" and 1/2") designed to disconnect transmission cooler lines
- Use 3/8" size for 2003 and later *Ford* V8 Explorer® plus 2004 and later *Ford* F150® and Cadillac® vehicles
- Use 1/2" size for *Ford* F250®, F350® and F450® Super Duty trucks

LDTM3812 Camshaft Seal Kit
- Easily removes and installs camshaft and crankshaft seals without damage
- Compact puller with unique extracting hooks engage seal for quick removal
- Interchangeable sleeves and mandrels allow easy installation of new seal
- Fits seals from 21.5 mm– 64 mm

FIH9057B Transmission Line Quick Disconnect Tool
- For 3/8" and 1/2" O.D. transmission and fuel lines on certain *Ford* and *Cadillac* models
- Constructed from durable 30% glass filled nylon allows more pressure to be applied and delivers a longer tool life
- Compact design allows access in tight quarters

Applications:
Ford: Explorer® (2002 and later with five-speed automatic transmission), F150 trucks (2003 late production series with four-speed automatic transmission), F150® trucks (2004 and later – all models), Thunderbird and Lincoln® LS (2003 and later), *F250/F350* truck series (2004 and later)
Cadillac: SRX (2004 and later), CTS (2003 and later), STS (2005 and later)

YA321 Sealing Cap Set (Blue-Point®)
- Five polyethylene caps to service all US and most import transmissions when the drive shaft is removed
- Caps keep dirt out of the transmission and prevent fluid loss



207FHRM

Low-Profile Hex Sockets

Stock No.	Drive Size, inches	External Hex, mm	Length, inches (mm)
FHRM7	3/8	7 mm	1 (25.4)
FHRM8	3/8	8 mm	1 (25.4)
FHRM10	3/8	10 mm	1 (25.4)
FHRM12	3/8	12 mm	1 (25.4)
FHRM13	3/8	13 mm	1 (25.4)
FHRM14	3/8	14 mm	1 (25.4)
CPT110A	3/8	17 mm	1 (25.4)

207FHRM Low-Profile Socket Set
Includes FHRM7–FHRM14 (7 mm–14 mm) Low-plus CPT110A (17 mm) Low-Profile Hex Sockets (7pc).



S8673C1



S8673B3

Bushing/Oil Seal Pullers and Driver

- Designed to easily remove or replace transmission rear extension housing bushings and oil seals on most Ford®, GM®, Chrysler® and AMC® automatic transmissons
- Refer to chart below for specifications and applications

Stock No.	Type	O.D., inches	Depth, inches	Application
S8673C1	Driver	—	1 15/16	*Ford* C-4 Series, *GM* 200, 350 and 375 Series
S8673B3	Seal Installer	2 3/4	1 15/16	*Ford* C-4 Series, *GM* 200, 350 and 375 Series

Transmission Service Tools

CPT110A Drain Plug Socket
- Use on VW® transmission drain plugs
- Additional applications include removing front wheels on Triumph® Daytona® and America® motorcycles
- 17 mm, 6-point socket is for *VW* transmission drain plugs
- 3/8" drive, 1" long



CPT110A



SRP400B



SRP4



PRT600A

Snap Ring Pliers

- Parallel jaw lock-ring pliers (high leverage) for easy lock-ring removal/installation
- Cushion grips offer comfort while resisting transmission fluids
- Natural steel finish with a tough protective clear coating to prevent corrosion

SRP400B Snap Ring Pliers Set

SRP1C Snap Ring Pliers
- 90° angle serrated jaws (for *GM* transmission output shaft)
- 3/32" tip width; 1/16 tip thickness; 8 15/16" long

SRP2B Snap Ring Pliers
- 90° angle serrated jaws with dimples for lock rings with tabs
- 3/32" angle tip width; 1/8" tip thickness; 8/78" long

SRP3B Snap Ring Pliers
- Straight tip serrated jaws
- 3/32" wide tip; 8 7/8" long

SRP5C Snap Ring Pliers
- Straight non-serrated tip with dimples for lock rings with tabs
- Seven pivot points create compound high-leverage for easy lock-ring expansion
- Jaws always remain parallel
- 1/4" tip width; 1/8" tip thickness; 10/18" long

SRP4 Snap Ring Pliers
- 3/32" wide ends with 1/8" diameter dimple for snap rings with tabs
- Jaws bent at a 90° angle
- 14" long

PRT600A Transmission Service Set
- For *Chrysler*, *GM* and *Ford* vehicles
- Includes the following six tools:

PRT21 High Range Seal Tool
- 2 1/2" x 1/2" spring steel blade
- 7 1/2" long

PRT22 High Range Seal Tool
- .015" high carbon wire loops on each end
- 6 1/2" long

SRPC3800 Convertible Retaining Ring Pliers
- Straight .038" tips
- 6 7/16" long

SRPC7000 Convertible Retaining Ring Pliers
- Straight .007" tips
- 7 7/16" long

PR15 External Snap Ring Pliers
- Wide (1/16") tips are angled at 90°
- 8 3/4" long

PR16 External Snap Ring Pliers
- Wide (3/16") notched tips
- 8 3/4" long

⚠WARNING
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

DRIVE LINE: TRANSMISSION


CJ193


CJ193-1-1


YA9348


YA9648


YA328A

Transmission Pump Puller

CJ193 Transmission Pump Puller
- Removal of front pump on GM®, Ford® and Chrysler® transmissions requires two pullers
- Includes 1 1/4 lb slide hammer and 3/8"-16 x 14" slide screw

Applications: Most *GM*, *Ford* C-4, C-5 AOD (Automatic Overdrive), and *Chrysler* TF904-72 ON.

CJ193-1-1 Optional Adaptor
- M10-1.5 male end is designed to work on *Ford* and *Chrysler* transmission pumps
- 3/8"-16 female end screws onto slide screw of CJ193
- 2 1/4" long

Seal/Bushing Installers and Removers

YA9348 Transmission Seal Remover/Installer for *GM* vehicles
- Removes and installs *GM* transmission shift selector shaft seals without draining the fluid
- 5/8" drive size, 3/8"-16 UNC-2B thread
- Remover bolt has a 9/16" head and 3/8"-16 UNC-2A thread

YA9648 Removal/Installation Tool
- Applications on 1996 and later *GM* trucks and Astro® vans with 4L60E and 4L80E transmissions

Magnetic Angle Locator (Blue-Point®)

YA328A Angle Locator

Precise, accurate tool to determine angle measurements
- Ideal for checking drive shaft angle
- Red degree indicator located behind numbers for exact reading of graduations
- Fractional and metric scales molded into base of tool in 1/8" and centimeters
- Large 1 7/8" x 7/8" magnet in base for secure retention

DRIVE SHAFT


UJP1

Universal Joint Tools

UJP1 Universal Joint Press Set Press frame features large throat and vise mount capability for U-joint applications. Locking cup design holds cup in place. Large, coarse thread pressure screw for extra strength and maximum force. Grease Zerk fitting for smooth screw action. Adaptor hardness of 42–46 Rc. Includes application chart and storage case.

BJP1F Press Frame
- 7 13/16" throat opening; 3 1/2" depth; 6" height; 10 13/16" length

BJP1-1 Sleeve Adaptor 2.12" length.

BJP1-2 Pressure Screw 1 1/8-7 UNRC, 7/8" hex.

BJP1-4 Pressure Pad Universal Joint, 3 3/16" length.

BJP1-5 Adaptor .90"–1.33"

BJP1-7 Adaptor 1.68"–1.89"

BJP1-8 Adaptor 1.78"–2.00"

BJP1-17 Grease Fitting

ME7A207 Retaining Ring
- Retaining ring included in BJP1 and UJP1 sets

ME7A208A Large Snap Ring
- Large snap ring included in BJP1 and UJP1 sets

ME7A209 Small Snap Ring
- Small snap ring included in BJP1 and UJP1 sets

ME9A34 Steel Ball
- Steel ball included in BJP1 and UJP1 sets

PAKPB061 Storage Case

CLUTCH


GA454A


SP2031A


YA7646


A144A


ATS2987


A37M


A145

Clutch Service Tools

GA454A Adjusting Wrench for Spicer® Clutch
- For internal adjustment of *Spicer* angle spring and multiple lever clutches
- Eliminates the need for prybars that could damage clutch parts
- 15" long

SP2031A Pilot Bearing Puller
- Attaches to slide hammer shafts with 3/4"-16 or 5/8"-18 threads
- Pressure screw adaptor is made of stress-resistant steel
- Industrial finish

YA7646 Clutch Coupling Tool for *Ford* Vehicles
- Reach and disconnect the hydraulic clutch line from the clutch slave cylinder without damage to the coupling or clutch line
- Same as *Ford* No. T88T-70522-A

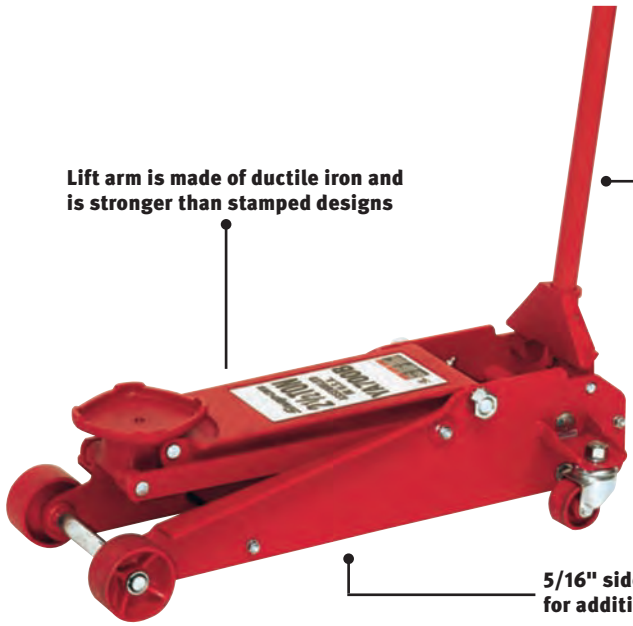
Applications:
Current *Ford* vehicles with hydraulic clutch including light duty trucks, Bronco® II, Ranger®, Explorer® and 1989 and later Thunderbird® and Mercury® Cougar with manual transmission and hydraulic clutch

A144A Flywheel Turner
- Use when replacing clutch pressure plate
- Turns flywheel to predetermined point that might be bypassed when "bumping" with starter
- 12 1/8" long

ATS2987 Automatic Transmission Clutch Spring Compressor *(Blue-Point)*
- Use to compress clutch springs on most automatic transmission clutch units
- Packaged in ATS2987-21 storage case

A37M Clutch Aligner Set
- For vehicles with standard transmissions, including many import cars
- Allows quick aligning for complete range of single disc clutches (16 collet sizes ranging from 0.465" –1.181")
- Packaged in PB21 storage case

A145 Clutch Aligner Set
- Smaller companion to A37M
- Includes five double-ended collets ranging in size from .578"–.810"



YA700B



YA1707



RACEJACKSET

Service Jacks

Stock No.	YA700B	YA1707*	RACEJACKSET**
Capacity, tons	2 1/2	3 1/2	1 1/2
Maximum Lift Height, inches	23	21 5/8	17 3/8
Low Height, inches	4 3/4	4	3 1/2
Saddle Size, inches	5 3/4	4 1/4	5
Frame Length, inches	30 1/2	29 7/8	25 1/8
Handle Length, inches	45 3/4	50	47 1/2
Warranty	2 Years	1 Year	1 Year
Weight, lb	96	103	46

*Blue-Point®
**Includes ALUMSTAND on p.603

RACEJACKSET Set, Service Jack and Stands, Aluminum, 3pc
- Dual pump design quickly brings saddle to service height
- Diamond cut, slip-resistant handle with foam bumper pad protects vehicles

⚠WARNING

- Do not exceed capacity of jack or jack stands
- Do not work on vehicle supported by jack, use jack stands
- Use jack and jack stands only on hard level surfaces
- Read safety precautions on pages W1 to W4

LIFTING: SERVICE JACKS



YA657C



YA660C

Long Chassis Service Jacks (Blue-Point®)

- YA667C and YA662C feature an air actuated pump to raise lift arm quickly
- Hydraulic pump mechanism is operated by handle or foot pedal pump
- Knob style load release in handle end for precise control
- T-handle provides additional positioning assistance

Stock No.	Type	Capacity, tons	Maximum Lift Height, inches	Low Height, inches	Saddle Size, inches	Frame Length, inches	Handle Length, inches	Minimum Operating Pressure, PSI	Warranty	Weight, lb
YA657C	Hydraulic	4	24	5	5 1/2	50 5/8	42 1/8	—	1 Year	156
YA667C	Air/Hydraulic	4	24	5	5 1/2	50 5/8	42 1/8	140	1 Year	159
YA660C	Hydraulic	10	27	7	7 3/8	54 3/4	42 1/8	—	1 Year	427
YA662C	Air/Hydraulic	10	27	7	7 3/8	54 3/4	42 1/8	140	1 Year	441



YA1731A



YA731B

Air Operated Truck Jacks *(Blue-Point)*

- Air operated lifting mechanism for ease of operations
- Adjustable extension screw raises saddle height
- Uses standard shop air supply (110–175 PSI)
- Rubber wheels allow ease in positioning

Stock No.	Capacity, tons	Low Height, inches	Maximum Lift Height, inches	Power Raise, inches	Screw Extension, inches	Handle Length, inches	Base Size, inches	Minimum PSI (for rated load)	Weight, lb
YA1731A	22	9 7/8	20 1/4	6 3/8	4	48 3/4	22 7/8 x 12 1/2	150	78
YA731B	20	9 3/8	17 5/8	5 1/2	2 3/4	39 1/2	8 x 5 1/2	140	69



YA1228



YA1229A



YA1233A



YAS1233A

Hydraulic Bottle Jacks *(Blue-Point)*

Stock No.	Capacity, tons	Low Height, inches	Maximum Height, inches	Screw Extension, inches	Base Size, inches	Handle Length, inches	Cap Diameter, inches	Operating Force, lb
YA1228	8	8 7/8	17 5/8	2 3/4	4 3/4 x 4 3/4	18 1/8	1 3/8	101
YA1229A	12	9 1/2	18 5/8	3 1/8	5 1/4 x 5 1/8	18 1/8	1 3/4	102
YAS1229A*	12	6	10 5/8	1 5/8	5 1/4 x 5 1/8	18 1/8	1 3/4	89
YA1233A	20	9 1/2	18 5/8	3 1/8	6 1/4 x 5 7/8	18 1/8	2	109
YAS1233A*	20	6 1/2	11 1/4	1 5/8	6 1/4 x 5 7/8	18 1/8	2	101

*Low-profile model



YA874B



YA875B



YA512



ALUMSTAND



YA4712



YA4716

Jack Stands (in pairs)

Stock No.	Capacity, tons	Low Height, inches	Maximum Height, inches
YA874B	3 (per pair)	12	19
YA875B	6 (per pair)	16 3/8	25 3/8
YA512*	12 (per pair)	17 1/2	27 1/2
ALUMSTAND*	3 (per pair)	10 3/8	15 3/8
YA4712*	12 (per pair)	19 3/4	30 1/4
YA4716*	6 (per pair)	15 3/4	24 3/8

*Blue-Point®

YA4712 Pneumatic Jack Stands *(Blue-Point)*
- Pneumatic cylinder automatically raises saddle to service height
- Saddle raises by pressing lever, automatically locks into place upon release

YA4716 Pneumatic Lift Jack Stands *(Blue-Point)*
- Pneumatic cylinder automatically raises saddle to service height
- Saddle raises by pressing lever, automatically locks into place upon release
- Built with the professional user in mind

Utility Stand *(Blue-Point)*
- Slim design maximizes work spaces and storage
- Acme screw allows for precise height adjustment

Stock No.	Capacity, tons	Low Height, inches	Maximum Height, inches	Base Size, inches	Cap Size, inches
YA779B	3/4	53 1/4	80	12 (diameter)	5 5/16 x 2 7/16



YA779B

Hydraulic Wheel Dolly *(Blue-Point)*
- Provides smooth, positive power for the removal and installation of single, tandem and duplex tires and wheels
- Lift arms can be adjusted to handle different wheel combinations

Stock No.	Capacity, tons	Lift Range, inches	Lifting Arm (length), inches	Lifting Arm (spread), inches	Length, inches	Width, inches	Height, inches
YA765D	3/4	2 1/2–8 3/8	26	27 1/2	45 1/8	39 1/2	34 5/8



YA765D

⚠WARNING

- Do not exceed capacity of jack or jack stands
- Do not work on vehicle supported by jack, use jack stands
- Use jack and jack stands only on hard level surfaces
- Read safety precautions on pages W1 to W4

LIFTING: TRANSMISSION JACKS/FUEL TANK STANDS


YA715A


YA714D


YA876C


YA727B


YA780

Transmission Jacks (Blue-Point®)

YA715A 1/2 Ton Air/Manual Hydraulic Transmission Jack
- Uses air for speed of operation and manual pump for precise control
- Extra wide base lowers center of gravity and promotes stability
- Rugged steel wheels and full-swivel ball bearing casters
- Adjustable ratchet style saddle
- Unique, handy release pedal provides controlled lowering of load

YA714D 1/2 Ton High Lift Transmission Jack
- Crank for precise and easy alignment of saddle
- Four adjustable load support arms fit most transmission pan flanges
- Foot pedal pump permits hands-free operation
- Wide base and four casters for stability

YA876C 1/2 Ton Hydraulic Transmission Jack
- Adjustable head can be tilted for optimum alignment of transmission bolt patterns
- Four wheel caster design allows easy movement and positioning
- Rugged steel wheels and full-swivel ball bearing casters
- User friendly 360° rotating pumping socket for maximum directional operation

YA727B 1 Ton Wishbone Hydraulic Transmission Jack
- Use on bus, truck, farm, automotive and construction vehicles
- Load-restraint chain included
- Two heavy cast adjustable mounting plates
- Four wedges to support load

YA780 Transmission Jack Bracket
- Fits most FWD and RWD automatic transmissions
- Use to stabilize transmission when being removed or installed
- Used with a transmission jack

Transmission Jack Specifications

Stock No.	Capacity, tons	Maximum Height, inches	Saddle Base, inches	Lifting Head Size, inches	Handle Length, inches	Chassis Length, inches	Chassis Width, inches	Tilt	Minimum Height, inches	Exp.Saddle Area, inches	Jack Size, inches	Weight, lb
YA715A	1/2	78 1/8	8 7/8 x 7 1/8	9 x 9	11	—	20	12°	37 7/8	21 x 21	34 1/8 x 36 1/8	196
YA714D	1/2	76 5/8	8 7/8 x 7 1/8	15 1/2 x 15 1/2	11	—	33 1/2	12°	37 1/2	21 x 21	34 1/8 x 36 1/8	161
YA876C	1/2	24 3/4	12 5/8 x 7 7/8	9 x 9	22 1/2	31	20	60° (fwd), 18° (rear), 12° (right or left)	8 1/2	17 x 9 3/8	31 1/8 x 15	106
YA727B	1	44 3/4	18 5/8 x 12 1/4	15 1/2 x 15 1/2	19 1/2	48	29 7/8	44° (fwd), 39° (rear), 13° (left and right)	10	20 1/2 x 18 1/2	47 1/2 x 28 1/4	309


YA712A

Fuel Tank Stand

YA712A Fuel Tank Stand
- Easily service fuel tank, fuel pumps and other components
- Handles fuel tanks up to 40 gal (empty)
- Includes anchoring straps and grounding wire
- Measures 9 1/4" H x 32" L x 15 3/8" W

MOTORCYCLE JACKS


YA1715

Motorcycle Jack

YA1715 Motorcycle Jack *(Blue-Point)*
- 1,500 lb capacity
- Low height of 4 1/2", maximum height of 14 3/4"
- Double rubber-lined pad provides extra protection to motorcycle
- Pull handle assists user to maneuver jack into position
- One foot operation for ease of use
- Safety straps to secure motorcycle

HYBRID INNOVATION

Battery Lift

YA785 Hybrid Battery Lift
- Removes and installs battery assemblies on most Hybrid vehicles
- Accommodates battery packs with a special harness to adapt to specific lift points
- Provides a safe alternative to manual lifting
- Minimizes potential damage to vehicle interior
- Compact design, easily folds down requiring minimal storage space
- Harness is designed specifically for Hybrid electrical batteries and rotates 360°

Specifications
- Lifting Capacity: 350 lb (159 kg)
- Maximum Reach: 45" (1,143 mm)
- Lift Weight: 179 lb (81.2 kg) when fully assembled with hydraulic cylinder
- Width: 34" (864 mm) x 51" (1,295 mm) high when assembled
- Maximum Lift Height: 82.5" (2,096 mm)
- Lift collapses to 28" (711 mm) wide x 34" (864 mm) long x 60" (1,524 mm) high for storage



YA785



A238



GA197A



YA2670A



YA2673A



YA554A

Engine Hoist and Sling

A238 Engine Sling
- 40" flexible cable each end with a fitting drilled for 1/2" diameter bolts

GA197A Lifting Pulling Tool
- Maximum lift of 6', minimum of 2'
- Anchored hook swivels a full 360°

YA2670A Engine Support Kit and Hoist
- Ideal for FWD transmission removal and installation
- Supports engine and provides 15° adjustability in each direction
- Rests on drip rails between fenders across engine bay
- Accommodates engine compartments from 46"–61 1/2"
- Includes YA2671A Lifting Assembly

YA2671A Lifting Assembly
- Replacement Lifting Assembly for YA2670A

YA2673A Offset Lifting Bar
- Attaches to the YA2670A and radiator core support
- Provides additional lifting and support

YA2674A W-Car Offset Bar for GM® Vehicles
- Designed to assist with *GM* W-Car body style

YA2675A Swivel Adaptor Set
- Provides the ability for the leg plates to swivel
- Ideal for engine compartments that are wider at the windshield

YA2676A Leg Plates for Honda® Vehicles
- Adapts to fenders on *Honda* vehicles
- Used with YA2675A Swivel Adaptor Set

YA554A Engine Lift Plate
- Bolts to intake manifolds on US two- or four-barrel carbureted V6/V8 engines and throttle body V6/V8 engines
- 1 1/2 ton lift capacity

⚠WARNING

- Do not exceed capacity of jack or jack stands
- Do not work on vehicle supported by jack, use jack stands
- Use jack and jack stands only on hard level surfaces
- Read safety precautions on pages W1 to W4

CHARGE. TEST. BOOST. INVERT. MAINTAIN. DIAGNOSE.

Take charge and be ready for anything with Snap-on® battery service equipment. With these top-of-the-line tools, you can handle anything 6, 12 and 24V that pulls into your shop. That's real power.

Battery Charger Plus™ — Batteries have changed – make sure your charger keeps pace. Smart charge most batteries at the rate you need. Check out the new EEBC400 and EEBC400F.

The D-Tac™ Elite — A diagnostic charger, battery starting and charging system tester, engine starter, digital multi-meter, and cable voltage drop tester with flash-reprogram mode and more.

Booster Packs — Professional-quality equipment that's perfect for the shop or field.



Battery Chargers

EEBC500 Battery Charger Plus™

- Plus: Exclusive flash reprogramming power supply maintains consistent OEM specified voltage up to 60A
- Adaptive: Standard automotive, deep cycle, AGM and gel cell batteries each require a different charging cycle
- Versatile: Charges 6V, 12V and 24V batteries with 4A, 15A and 60A charging rates
- Convenient: GFCI outlets for auxiliary power to lights and other accessories: handy storage compartment for optional battery hand tools
- Smart: Fully automatic operation: microprocessor-controlled algorithms optimize the charge cycle without overcharging. Includes manual mode for timed charging
- Powerful: 300A engine starting power
- Informative: Digital display: voltage, % of charge and alternator % of performance
- Professional: Rugged, streamlined design.
- Higher working height handle helps relieve stress on lower back



EEBC500

Specifications	EEBC500	EEBC500INT†	EEBC500SOJ
Output Currents ADC	60/15/4	60/12/4	60/15/4
Output Voltages VDC	6/12/24	6/12/24	6/12/24
Input Voltage (Rated), VAC	120	230/240	100
Crank Assist Duty Cycle	1/36	1/36	1/36
DC Lead Type	Fixed	Fixed	Fixed
DC Lead Length	7'6"	7'6"	7'6"
DC Lead Gauge	4 AWG	4 AWG	4 AWG
DC Clamps	500A	500A	500A
AC Cord Length, feet	9	9	9
GFCI	Yes	No	No
Voltmenter	Digital	Digital	Digital
Timer	Digital	Digital	Digital
Ventilation	Fan Cooled	Fan Cooled	Fan Cooled
Foam Filled Wheel Size, inches (mm)	10	10	10
Weight, lb	86	90	90
Dimension L x W x H, inches	20.4 x 16.5 x 30.5	20.4 x 16.5 x 30.5	20.4 x 16.5 x 30.5
Outdoor Use	Yes	No	No
Country of Use	North America	Australia, Europe, UK	Japan
Power Supply Cord	Included	EEBC5CABLE-A, E, U	Included

† CE

TECHNICAL SUPPORT 1-866-713-6007

EEBC500CVR *Battery Charger Plus* Cover

- Protective cover for the EEBC500 *Battery Charger Plus* series and the EEBC400 series

EEBC5CABLE-A Power Supply, Australia

- Power supply, Australia. Use only with EEBC500INT

EEBC5CABLE-E Power Supply, Europe

- Power supply, Europe. Use only with EEBC500INT

EEBC5CABLE-U Power Supply, United Kingdom

- Power supply, United Kingdom. Use only with EEBC500INT

EEBC500-15 Lead Set

- 15' for EEBC500 series



EEBC500CVR



EEBC5CABLE-A



EEBC5CABLE-U



EEBC5CABLE-E

⚠WARNING

- Charger must be OFF when connecting or disconnecting leads
- Avoid overcharging batteries
- Read safety precautions on pages W1 to W4

BATTERY CHARGERS





EEBC400



EEBC100

Battery Chargers

EEBC400 Battery Charger Series

- Adaptive: Standard automotive, deep cycle, AGM and gel cell batteries each require a different charging cycle
- Smart: Fully automatic operation: microprocessor controlled algorithms optimize the charge cycle without overcharging. Also includes manual mode for timed charging

EEBC100 Manual Charger (Blue-Point®)

- Manually set charging time as required
- 200A 12V and 100A 6V engine start available for emergency starting
- 40A rapid charge charges in .5–1.0 hours
- 10A fast charge charges in 3–5 hours
- Rugged retractable handle provides convenient storage
- UL® listed

Specifciations	EEBC400	EEBC400F	EEBC400INT	EEBC100
Output Currents ADC	50/10/4	50/25/10/4	50/10/4	40/10/2
Output Voltages VDC	6/12	12/24	12/24	6/12
Input Voltage (Rated), VAC	120	120	230	120
Crank Assist Rating, ADC	250	250 & 225	250	200
Crank Assist On Time (seconds)	20	20	20	5
DC Lead Length	7.0'	6.0' neg/10.0' pos	7.0'	6.0'
DC Lead Gauge	6 AWG (Cu)	6 AWG (Cu)	6 AWG (Cu)	8 AWG (Cu)
DC Clamps	500A	500A	500A	300A
AC Cord Length, feet	7.0'	7.0'	IEC (receptacle)	6.0'
Voltmeter	Digital	Digital	Digital	None
Timer	Digital	Digital	Digital	135 Minute
Ventilation	Fan cooled	Fan cooled	Fan cooled	Fan Cooled
Blow Molded Wheel Size, inches (mm)	10 (254)	10 (254)	10 (254)	6 (152)
Weight, lb	85	85	85	40
Dimension L x W x H, inches	20.4 x 16 1/2 x 30 1/2	20.4 x 16 1/2 x 30 1/2	20.4 x 16 1/2 x 30 1/2	13.8 x 13 1/2 x 20
Outdoor Use	Yes	Yes	No	No
Country of Use	North America	North America	Australia, Europe, UK	North America
Power Supply Cord	Inclued	Included	EEBC5CABLE-A, E, or U	Included
Warranty	2 Years	2 Years	2 Years	1 Year

Bench Charger

Specifications	Input	Output	Battery Range (Optimal)	Charging Cable Length	Dimensions, inches	Shipping Weight, lb (kgs)
EEBC61210	120V AC, 60 Hz, 4.4A	6V or 12V DC, 1A–10A	25–200 AH	6.0'	10.75 L x 4.5 W x 7.875 H	4.94 (2.24)



EEBC61210

EEBC61210 Bench Top Battery Charger (Blue-Point®)
- Automatic operation plus an intelligent microprocessor-controlled charging sequence for use on a wide variety of battery types
- Charge conventional, maintenance-free, AGM, gel cell, deep cycle and marine batteries
- Simply select the correct battery size: Charger will initiate the automatic charging process

Battery Maintainers

EEBM500 4A 6/12 Volt Battery Maintainer
- Fully automatic 6V/12V operation, 4A charging rate
- Compatible with conventional, maintenance-free, AGM, gel cel, spiral wound and deep cycle batteries
- LED charging status indication
- Includes quick connect output cord with clamp set, ring terminal set and 12V adaptor output accessories
- Ergonomic design with large buttons for easy use while wearing gloves
- Reverse polarity and battery fault warnings

EEBM500-1 Clamp Set

EEBM500-2 Ring Kit

EEBM500-3 12V Plug



EEBM500

Power Inverters

EEPI175 Power Inverter
- 175 watt power inverter provides 110V AC power inside your vehicle
- Plugs into vehicle 12V power outlet
- Convenient size fits in cup holder
- Two USB ports to power small electronic devices

EEPI175CAMO Power Inverter
- Camouflage pattern, same features as EEPI175

EEPI2250 Power Inverter
- 2,250 watts of continuous power and 4,500 watts peak power to run a wide variety of tools, electronics and appliances
- Stable, clean and reliable power with high surge capacity for use in the most demanding applications
- Precise electronics to enable proper charging of electronics: laptops, cell phones and gaming devices
- Three 120V AC outlets
- For tow trucks, fleets, construction vehicles and military use
- Unit must be hard wired into vehicle



EEPI175



EEPI175CAMO



EEPI2250

⚠WARNING

- Charger must be OFF when connecting or disconnecting leads
- Avoid overcharging batteries
- Read safety precautions on pages W1 to W4

BATTERY SYSTEM TESTERS



EECS306C



EECS306C-CVR

D-TAC™ Battery System Diagnostic Tester/ Charger/Engine Starter

EECS306C *D-TAC* Elite

- *D-TAC* Elite is a diagnostic charger, battery, starting and charging system tester, engine starter, DMM, cable voltage drop tester with flash reprogram mode and more
- EECS306C *D-TAC* Elite includes EECS304C MicroVAT™ ELITE Tester, EECS306C-5 Battery Test Cables (10'), EECS306C-6 Post Adaptors and EECS500-1 Printer Paper Roll
- Integrated printer and cart
- Multitasking, once a diagnostic charge session has been started, the *MicroVAT* Elite (top analyzer) can be removed from the charger and used to diagnose other vehicles while the charger continues to diagnose and charge the original battery
- Conductance and deep scan battery test technology with 150A load capability (clicking sound heard when load is applied)
- Diagnostic Charge Cycle continuously monitors battery watching trends while maximizing charge acceptance minimizing charge time
  –No wasted time trying to charge defective batteries
  –Temperature (temperature sensor built into unit)
  –Will not damage a battery during the charging process
- Charging System Test uses the most innovative and decisive method, digital signal processing
- Cable Voltage Drop Test determines health of vehicle battery cables (with optional EECS306C-3 Cables)
- Built-in printer provides test results and custom shop information
- 3 1/2" large full color 1/4" VGA display, color icons and test result graphs
- Visual and voice prompts in English, Spanish, French, Italian, Dutch or German help you through the diagnostic process
- Digital Multimeter (with optional EECS306-4 Lead Set)
  –Low volt automotive, amps, ohms, diode and basic oscilloscope
  –Temperature via built-in infrared sensor or optional probes (EETH501C fluids, EETH502B surface, EETH503B air)
- USB and Infrared (IR) connectivity
  –USB software upgradeable for future enhancements
  –IR & Certificate printing on PC with optional EECS306C-7
- Heavy duty ready – for more accuracy and capability, add the optional EECS306C-2 Dual Range Amp Clamp and EECS306C-3 Cable Voltage Drop Test Cables
- UL®/CUL® listed
- Patents pending

EECS306C-CVR Protective Cover

SS3242 Instructional DVD



EECS304C

MicroVAT ELITE Battery Starting/Charging System Tester

EECS304C *MicroVAT* Elite Tester

- The *MicroVAT* ELITE is a battery, starting and charging system tester, DMM, cable voltage drop tester and more
- Charging system test uses the most innovative and decisive method – digital signal processing
- Cable voltage drop test – determine health of vehicle battery cables with optional EECS306C-3 cables
- Built-in printer – provides test results and custom shop information
- 3 1/2" large full color 1/4" VGA display – color icons and test result graphs
- Visual and voice prompts in English, Spanish, French, Italian, Dutch or German help you through the diagnostic process
- Digital multimeter (with optional EECS306C-4 lead set)
  –Low volt automotive, amps, ohms, diode and basic oscilloscope
  –Temperature via optional Snap-on® probes or built in infrared sensor
- USB and infrared (IR) connectivity
  –USB software upgradeable for future enhancements like hybrid
  –USB data collection: use any thumb drive to move info to excel
  –IR & certificate printing on PC with optional EECS306C-7
- Heavy duty ready – for more accuracy and capability, add optional EECS306C-2 dual range amp clamp and EECS306C-3 cable voltage drop test cables
- Upgrade your EECS304C *MicroVAT* Elite to EECS306C *D-TAC* Elite by ordering EESC304-306
- CE – DE, ES, FR,IT, GB, NL and JP
- Patents pending

TECHNICAL SUPPORT 1-866-592-8052



EECS150



EECS350



EECS550



EECS750

Specifications	EECS150	EECS350	EECS550	EECS750	EECS304C
Model	Basic	Enhanced	Wireless	Advanced	Microvat
CCA Range	100–1,400	100–1,700	100–2,000	100–2,000	100–2,000
CCA Input	•	•	•	•	•
Volts	12	6/8/12/24	6/8/12/24	6/8/12/24	6/12/24
Rating Systems	SAE, EN, IEC	SAE, EN, IEC, DIN, JIS	SAE, EN, IEC, DIN, JIS	SAE, EN, IEC, DIN, JIS	SAE, EN, IEC, DIN, JIS
Battery Types	Standard, AGM	Standard, AGM, EFB	Standard, AGM, EFB	Standard, AGM, EFB	Standard, AGM
Battery Packs	No	No	Yes Series	Yes Series/Parallel	Yes Series
Displays Battery Condition	•	•	•	•	•
Displays Battery Voltage (SOC)	•	•	•	•	•
Display % of CCA	•	•	•	—	—
Tests Discharged Batteries	•	•	•	•	•
Reverse Polarity Protection	•	•	•	•	•
Cable Integrity Technology	•	•	•	•	•
Displays State-of-Charge Graph	—	•	•	•	•
Detects and Displays Bad Cell	—	•	•	•	•
Temperature Compensation	—	•	± 32 °F	4 ranges	X – IR Temp Measured
Poor Connection Detection	—	•	•	•	•
Custom Header / Shop Info	—	•	•	•	•
Retention Magnet	—	•	•	Hanger	•
Post Adaptors	—	•	•	•	•
Surface Charge Warning	—	—	•	•	•
Integrated Printer	—	—	—	•	•
Voice Prompts	—	—	—	—	•
System Test	Yes – voltmeter	Yes – starting/ charging/ripple voltage	Yes – starting/ charging/ripple voltage	Yes – menu driven routine w/ ripple detection and graph	Yes – menu driven routine includes DSP technology, advanced alternator diagnostics
Printer Capable	None	Opt., IR printer or PC	IR to PC	Integrated	Integrated
Communication	—	IR	IR, Bluetooth	IR, USB	IR, USB
Wireless Controller	—	—	Included Bluetooth	No	No
Display	LCD backlit (3.1" diag.)	LCD backlit (3.1" diag.)	LCD backlit (3.1" diag.)	Color 3 1/2"	Color 3 1/2"
Clamps	Small	Medium	Medium	Large	Large
Cable length	2' Fixed	4' Fixed	2' Fixed	10' Replaceable	10' Replaceable

Battery System Testers

- Horizontal hand hold position with easy thumb-access buttons to enhance the user experience
- Superior accuracy with CCA required input and conductance technology for rendering battery, starter and charging system status

D-TAC™/MicroVAT™ Optional Accessories

EECS306C-2 Amp Clamp
- High (0A–700A); Low (0A–70A)

EECS306C-3 Cable Drop Cables
- Cable voltage drop test cables for EECS306C *D-TAC* Elite and EECS304C *MicroVAT* Elite

EECS306C-4 Multimeter Probes
- Digital multimeter probe set for EECS306C *D-TAC* Elite and EECS304C *MicroVAT* Elite

EECS306C-5 10 ft Test Cables
- Battery test cables for EECS306C *D-TAC* Elite and EECS304C *MicroVAT* Elite. 10' long (included)

HHGA-PRINTER Infrared Printer
- Optional printer for EECS350 & EECS550.

HHGA-18 Paper Roll
- Replacement paper roll

EECS306C-6 Post Adaptors Included
- Clamp-on inductive low-amp probe for old EECS306B series *D-TAC* plus battery systems testers and EECS304B1B *MicroVAT*
- 0A–15A range for testing low current circuits
- 5' length; 10 mA resolution

EECS306C-7 IR Dongle
- Cable voltage drop test cables for EECS306C *D-TAC* Elite and EECS304C *MicroVAT* Elite

EECS304C-1 Soft Storage Case
- Soft-sided carrying case for EECS304C *MicroVAT* Elite.

EECS500-1 Printer Paper
- For EECS304C and EECS306C.



EECS306C-2



EECS306C-3



EECS306C-4



HHGA-PRINTER

⚠WARNING

- Charger must be OFF when connecting or disconnecting leads
- Avoid overcharging batteries
- Read safety precautions on pages W1 to W4

BOOSTER PACKS



EEJP500



EEJP500V24



EEJP500iCAMO

Portable Booster Packs

- Complete jump pack lineup: 12V, 24V and one for hunting, camping and emergency 110V AC power

Specifications	EEJP500	EEJP500V24	EEJP500iCAMO
Battery Size	22 aH	22 aH (2 each)	22 aH
Cranking Amps	330	500	330
Cold Cranking Amps	275	415	275
Built-in Charger (requires heavy duty shop cord)	Yes	Yes	Yes
Charger	3 Amp 110 VAC	3 Amp 110 VAC	3 Amp 110 VAC
Automatic	Yes	Yes	Yes
12 Volt Cord Included	EEJP500-8	EEJP500-8	EEJP500-8
Cable Length (Positive and Negative)	60”	60”	48”
Cable Gauge	4-gauge	2-gauge	4-gauge
Charge Indicator	Digital	Digital	Digital
12 Volt Outlet	Yes	Yes	Yes
Weight, lb	28	44	34
Reverse Polarity (off position only)	Audible	Audible	Audible
On-Off Switch	Yes	Yes	Yes
Digital Readout	Yes	Yes	Yes
Volt Meter for Internal and vehicle battery	Digital	Digital	Digital
% of Charge Indicator for internal battery	Yes	Yes	Yes
Vent/Cooling Fan	Yes	Yes	Yes
Dual 110V AC Recepticles, 400W Inverter	—	—	Yes
USB Port	—	—	Yes
Flex Light	—	—	EEJP500LITE

EEJP500 Jump Pack (12 Volt)

- For powerful starting of multiple vehicles
- Powerful 330 cranking amps and 275 cold cranking amps from high output AGM battery
- Smart multi-function digital display indicates internal battery percent of charge and voltage, plus vehicle battery voltage

EEJP500V24 Jump Pack (12 and 24 Volt)

- Heavy Duty starting for heavy duty vehicles
- Powerful 500 cranking amps and 415 cold cranking amps from twin high output AGM batteries
- Smart multi-function digital display indicates internal battery percent of charge and voltage, plus vehicle battery voltage
- Tough two-gauge, long reach 60" cables for connection to hard-to-reach batteries

EEJP500iCAMO Power Invertor (12 Volt)

- Great electricity source during a power outage
- Powerful 330 cranking amps from high output AGM battery
- Smart multi-function digital display indicates invertor wattage, internal battery percent of charge and voltage, plus vehicle battery voltage
- Versatile Unit includes 400 Watt Power Inverter with Dual 110V AC receptacles and halogen flex neck lamp
- USB Port for powering or recharging portable electronic devices

TECHNICAL SUPPORT 1-866-713-6007

Portable Booster Packs

EECS309B Portable Booster Pack
- 1,700 amp peak amp battery power for quick starting power – works on even deeply discharged batteries
- 30" four-gauge clamp leads (included) are detachable, via heavy duty brass sockets for easy field replacement of cables
- Two insulated posts provide secure separation and storage for the clamps, when not in use
- 12V socket allows recharging, and also provides a 12V source to power external devices, such as radios, lights, etc. (5' power cord included)
- Fast recharge via 120V 4 amp wall charger; includes charging status indicator lights

Optional Accessories:

EECS309B-5 Positive Lead and Clamp 60"

EECS309B-6 Negative Lead and Clamp 60"

EECS309B-9 Motorcycle Leads (positive and negative)



EECS309B

EECS660 Portable Booster Pack (Blue-Point®)
- 1,700 peak for starting power in heat or cold
- Long reach 46" four-gauge cables
- Industrial grade clamps grab and hold on battery terminals
- Quickly plug heavy duty shop extension cord into front of unit for built-in charging
- 12V DC power for convenience



EECS660

EEJP111M USB Charger/Mini Jump Starter *(Blue-Point)*
- Small light weight Lithium-ion pack for charging phones, starting stalled cars and more
- Ideal for personal use emergency jumps on power sport, motorcycle and 4/6 cylinder vehicles
- Scrolling display with user instructions
- USB port 5V DC, 2A for charging devices
- Ultra bright LED hazard or work light
- Memory saver compatible (order EECS5MEM OBDII cable)
- 12V port and AC charger included

TECHNICAL SUPPORT 1-866-328-2921



EEJP111M

Cables/Clamps

- Superior booster cables with heavy gauge 100% copper stranding
- Clamp bodies are fully insulated and have recessed copper jaws
- Heavy duty clamp springs bite securely on top or side battery posts

BC20500 Booster Cable Set
20' long, four-gauge, 413 strands copper wire

BC15500 Booster Cable Set
15' long, four-gauge, 329 strands copper wire

BC25500P Plug In Style Booster Cables
- Starting cable and connection harness
- Heavy-gauge 25' cables plug into bumper mounted socket to reach any stalled vehicle without having to lift the truck's hood
- Polarized socket mounts to service truck bumper and connects to truck battery
- 500A clamps are fully insulated with vinyl four-gauge, 413 strands of copper wire

YA159A Cable Clamp Set
One pair of heavy duty, copper jaw clamps. 500A clamps, 100% copper live jaw



BC20500



BC25500P

⚠WARNING
- Do not short portable booster pack leads against each other
- Avoid overcharging batteries
- Read safety precautions on pages W1 to W4

BATTERY SERVICE TOOLS



MT302BR

Hard Grip Handle Colors

Red	Orange	Green	Yellow
R	O	G	Y

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Remote Start Switch

- 5' leads allow safer engine cranking while beneath or beside the vehicle so hands are away from belts and moving parts
- Switch housing prevents dirt and moisture from affecting the switch
- Heavy duty contacts reduce arcing
- Safety shield helps prevent accidental activation
- Switch rated at 40A at 12V or 20A at 24V
- Patented Instinct® comfort-designed handle

Applications:

- To "bump" the engine to inspect, align and/or remove parts
- Start the engine from under the hood with the key on

Stock No.	MT302B
Voltage	6V, 12V and 24V
Cord Color	Black
Cord Type	Straight
Cord Material	EDPM
Cord Length, feet	5 ft (1.5m)
Wire Gauge	12
Switch Amps	40A @ 6V and 12V; 20A @ 24V
Outside Wire Diameter	0.2 in (5 mm)
Handle Type	*Instinct*
Handle Color	Red, Orange, Green, Yellow
Terminal Clip	Copper
Boot Material	Flexible Composite
Overall Length	5 ft, 5 in (1.65 m)
Weight	0.82 lb (0.37 kg)

MT302BR Remote Start Switch, Red Handle
MT302BG Remote Start Switch, Green Handle
MT302BO Remote Start Switch, Orange Handle
MT302BY Remote Start Switch, Yellow Handle



2004BSKA



2005BSKA

Service Kits

2004BSKA Battery Service Kit, 4 pc

Includes:
208BCP Angle Nose Pliers
BTC10 Side Terminal Cleaner
BTC3A Terminal Brush
YA249 GM® Battery Terminal Wrench
C0410B Kit Bag

2005BSKA Battery Service Kit, 5 pc

Includes:
208BCP Angle Nose Pliers
B260A Cable Clamp Pliers
BTC10 Side Terminal Cleaner
BTC7B Terminal Cleaner
CJ92 Self Locking Cable Clamp
C0506 Kit Bag

Cable Clamp Tools



208CCP



B260A

208CCP Angle Nose Pliers

- Rounded nose protects battery from damage
- Jaws are offset 30° for better leverage
- 7 3/4" long

B260A Cable Clamp Pliers

- Spreads and cleans cable clamps
- Prybar on one end
- 7 3/8" long



GA486A



CJ92

GA486A Cable Clamp Puller

- Removes cable clamps without damaging posts
- 4" long

CJ92 Cable Clamp Puller

- Self-locking jaws securely grip terminal and pull without damage to post
- 1 3/4" spread

Terminal Tools (Blue-Point®)

BTC3A Terminal Brush
- Stiff wire bristles thoroughly clean posts and clamps
- 3 3/8" long

BTC7B Terminal Cleaner
- Cleans posts and cable clamps
- Includes a small, circular wire brush with protective cap to clean side terminals
- Plastic body

BTC8A Terminal Cleaner
- Cleans posts and cable clamps
- Plastic body
- 3 1/2" long

BTC10 Side Terminal Cleaner
- Cutters on one side clean battery contacts; brush cleans cable contact
- 4 1/2" long

YA9484 Battery Terminal Crimper
- Ideal for replacing or repairing battery cable terminal ends
- Design helps prevent overcrimping
- Terminal sizes 6 ga. through 4/0

YA249 Battery Terminal Wrench for GM® Battery
- Ratcheting box wrench design for use on *GM* side terminal batteries
- 5/16" hex, 5 1/2" long

YA249L Side Battery Terminal Wrench (5/16")
- Extra long (9 3/4") for connecting/disconnecting battery side terminals on 1994 and later Ford® Aerostar® vans and *GM* vehicles including: 1994 and later Pontiac® Grand AM®, Grand Prix®,"W" body cars, plus Buick® Regal®, Oldsmobile® Cutlass, Chevrolet® Lumina and Lumina APV
- 5/16" wrench size


BTC3A


BTC7B


BTC8A


BTC10


YA9484


YA249


YA249L

Hydrometers *(Blue-Point)*

BT101 Battery Hydrometer
- Determines specific gravity from 1.100–1.300
- No temperature tables required or difficult float reading to observe
- Design enables both customer and technician a viewing opportunity to see the state of the battery acid

BB4C Hydrometer/Thermometer
- Measures specific gravity from 1.100–1.300 and includes a quick reference, color coded "poor," "fair" or "good" scale plus a temperature correction scale
- 14 3/4" long


BT101


BB4C

Fillers *(Blue-Point)*

BB6A Filler Bulb
- 6 oz fluid capacity
- Hard rubber stem features an overflow for dripless filling
- 10 1/2" long

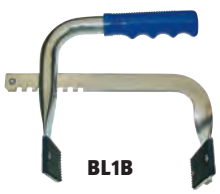
GA207A Automatic Filler
- Insert spout into fill hole and press down
- Fills without overflow


BB6A


GA207A

Carrier *(Blue-Point)*

BL1B Battery Carrier
- For top post and side terminal batteries
- Rubber pads securely grip battery widths from 5"–7"
- Plastic hand grip provides a firm hold


BL1B

⚠WARNING

- Plastic coating on handle does not protect against electric shock
- Avoid overcharging batteries
- Read safety precautions on pages W1 to W4

THE LATEST A/C TECHNOLOGY. NOW THAT'S COOL.

When your air conditioning equipment does most of the work automatically, that means A/C with a great return on investment. Couple that with hand-held equipment that delivers quick, accurate results, and you have a very cool system.

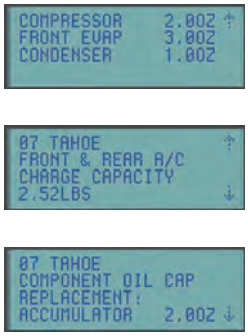
A/C Recyclers and Leak Detectors — Designed and manufactured to meet all current EPA and SAE standards, reduce refrigerant usage in your shop, and protect the ozone; SAE J2791 and J2913 certified detectors are also available, which uncover the smallest of leaks.

System Coverage — From vacuum pumps and manifold sets to UV leak detection kits and digital thermometers, your A/C needs are covered.

REDUCE CALLBACKS.

You have enough to do without doing the same job twice. But with accurate Snap-on® A/C equipment, make a drastic cut back on callbacks. With microprocessor-controlled operation and automatic detection mechanisms, you're working with smarter equipment.







EEAC325B



EEAC325BH

KOOL KARE™ PLUS A/C Service Center (R134a)

Specifications	EEAC325B	EEAC325BH
Operating Temperature Range	50 °F–120 °F (10 °C–49 °C)	50 °F–120 °F (11 °C–49 °C)
Relative Humidity	Up to 80% non-condensing	Up to 80% non-condensing
Operating Pressure	450 PSI (max.)	450 PSI (max.)
Storage Temperature Range	-4 °F–140 °F (-20 °C–60 °C)	-4 °F–140 °F (-20 °C–60 °C)
Compressor	1/3 HP, 1.1 CFM reciprocating	1/3 HP, 1.1 CFM reciprocating
Vacuum	28 inches Hg at sea level	28 inches Hg at sea level
Vacuum Pump	1/3 HP, 3.0 CFM, reciprocating, 40 microns	1/3 HP, 3.0 CFM, reciprocating, 40 microns
Gauge Ranges	High Side: 500 PSI (34 BAR) max. / Low Side: 350 PSI (24 Bar) max.	High Side: 500 PSI (34 BAR) max. / Low Side: 350 PSI (24 Bar) max.
Recovery Amount	23 lb (10.43kg)	23 lb (10.43kg)
Recovery Rate	1 lb per minute (max.)	1 lb per minute (max.)
Refrigerant Charge Amount	0–22 lb (9.98 kg) max.	0–22 lb (9.98 kg) max.
Onboard Refrigerant Capacity	30 lb (14 kg)	30 lb (14 kg)
Charge Oil Bottle	12 oz (360 ml)	12 oz (360 ml)
Drain Oil Bottle	12 oz (360 ml)	12 oz (360 ml)
Dimensions	34" D x 46" H x 24" W	34" D x 46" H x 24" W
UV Oil Dye Injection	Yes	Yes
Warranty	2-Year	2-Year
Vehicle Database	Yes	Yes

TECHNICAL SUPPORT 1-866-769-2788

EEAC325A1 – Spin on filter dryer for EEAC324A/EEAC324B and EEAC325A/EEAC325B A/C Recyclers. Avoid A/C recycler downtime. Keep extra EEAC325A1 filters on hand, since the new SAE J-2788 standard requires filter dryer replacement after 150 lb of refrigerant used. Filter life prompt occurs when 100 lb of refrigerant have been filtered. Mandatory filter lockout will occur after 150 lb of refrigerant have been filtered.

EEAC325B/EEAC325BH Shared Features:
- Fully automatic air purge and built-in oil injection
- Meets SAE J-2788 standard of 95% refrigerant recovery and ± .5 oz charge accuracy
- 20% increase in refrigerant recovery saves refrigerant
- Increased charge accuracy reduces A/C repair call backs
- Extra long 11 1/4' hoses for heavy duty applications
- Microprocessor controlled operation
- SAE®, UL® and CSA® listed
- Simple, menu driven operation
- Automatic high pressure and tank shutoff
- Automatic purge of air and other non-condensable gases
- Multilingual (English, Spanish, French)
- Complete auto sequence programmability
- Larger gauges, larger 4 x 20" display and vacuum leak test
- Vehicle database from 1995–2009 for refrigerant and oil specifications

EEAC325B Only Features:
- Imports charge capacity directly into charge mode
- Programmable vacuum hold time
- Upgradeable software

EEAC325BH Only Features:
- Do not turn any vehicles away from the shop
- One machine that services both conventional vehicles and hybrids properly and safely
- Menu selectable function gives user ability to clear residual oil from A/C Recover, Recycle, and Recharge machine's fluid circuit and hoses minimizing risk of oil cross contamination

Includes:
- A/C capacities database that enhances productivity
- Automatic air purge
- Recovery accuracy ± 1.0 oz
- Charge accuracy ± 1/2 oz
- Protected by two-year warranty

EEAC325A1 Filter Dryer
- Use on EEAC324A/EEAC324B and EEAC325A/EEAC325B
- Mandatory filter lock out will occur after filtering 150 lb of refrigerant

EEAC325B2 High side service hose
EEAC325B3 Low side service hose
EEAC325A4 Oil drain bottle
EEAC325A5 High side service coupler
EEAC325A6 Low side service coupler

⚠WARNING
• Wear safety shield (user and bystander)
• Read safety precautions on pages W1 to W4

AIR CONDITIONING: RECYCLING/RECHARGING SYSTEMS (R134A)



EEAC324B

ECO™ PLUS A/C Service Center (R134a)

EEAC324B A/C Service Center

- Great performance at a semi-automatic value price
- Intuitive interface uses up/down screen menu options
- Menu display guides technician through service process

Specifications	EEAC324B
Operating Temperature Range	50 °F–120 °F (10 °C–49 °C)
Relative Humidity	Up to 80% non-condensing
Operating Pressure	450 PSI (max.)
Storage Temperature Range	-4 °F–140 °F (-20 °C–60 °C)
Compressor	1/3 HP, 1.1 CFM reciprocating
Vacuum	28 inches Hg at sea level
Vacuum Pump	1/4 HP, 1.5 CFM, reciprocating, 40 microns
Gauge Ranges	High Side: 500 PSI (34 BAR) max. / Low Side: 350 PSI (24 BAR) max.
Recovery Amount	23 lb (10.43 kg) max.
Recovery Rate	1 lb Per minute (max.)
Refrigerant Charge Amount	0–22 lb (9.98 kg) max.
Onboard Refrigerant Capacity	30 lb (14 kg)
Charge Oil Bottle	12 oz (360 ml)
Drain Oil Bottle	12 oz (360 ml)
Dimensions	34" D x 46" H x 24" W
UV Oil Dye Injection	Yes
Warranty	2-Year
Vehicle Database	No

TECHNICAL SUPPORT 1-866-769-2788

Service Center Accessories

EEAC325ACV A/C Service Center Cover
- Protects EEAC324A, EEAC324B, EEAC325A, EEAC325B and EEAC325BH from dust, moisture and shop environments

EEAC325B2013 Database Update
- Vehicle Refrigerant and Oil Capacity Database Update
- Updated vehicle database now includes many US and Import vehicles through 2013
- Helps technician be more efficient and accurately charge a vehicle with the proper amount of refrigerant by putting information right at their fingertips
- Saves money and potential AC system problems by preventing overcharging
- Database additions cover approximately 1,800 more vehicle/model combinations
- This database is specifically written and designed for the EEAC325B and EEAC325BH

Application:
- SD card contains updated database of vehicle A/C capacities (oil and refrigerant) for US and import vehicles as well as light trucks
- Sell EEAC325B2013 to customers who purchased their EEAC325B prior to January 1, 2014

ACTFILTERPL A/C Filter (Blue-Point®)
- Filters and separates A/C sealants, dyes, debris, lubricants and other contaminants
- Damage results from Type I sealants or Type II entering A/C service equipment from a vehicle during servicing
- ACFILTERPL not required or recommended for J2788 certified EEAC324A/EEAC325A and EEAC324B/EEAC325B recyclers

ACTFILTER1 Replacement Filter Kit
- Replacement filter for ACTFILTERPL

SS3294 A/C Merchandising Banner
- Durable, weather resistant plastic
- Measures 82" x 34"
- Includes 60" ropes at corners



EEAC325ACV



ACTFILTERPL



SS3294

Filter Dryers

EEAC325A1 Filter Dryer
- Use on EEAC324A/EEAC324B and EEAC325A/EEAC325B
- Mandatory filter lock out will occur after filtering 150 lb of refrigerant

EAK0095C01AB Filter Dryer
- Use on EEAC307C, EEAC308C and EEAC310A (R12 side)

EAK0095C02AB Filter Dryer
- Use on EEAC313A (R134a side)



EAK0030C01AB

Master Dryer Kit

EAK0030C01AB Master Dryer Kit
- Filter/dryer should be changed regularly depending on usage of unit
- Kit includes filter and instructions
- Use on EEAC301B, EEAC304D, EEAC313A (R12 side), EEAC316A, EEAC318A, EEAC319A and EEAC320A

EAK0030C02AB Master Dryer Kit
- Use on EEAC313A (R134a side)



EAK0029C01AB

Oil Change Kits

EAK0029C00AB Compressor Kit
- Use on EEAC308C, EEAC319A and EEAC320A

EAK0029C01AB Compressor Kit
- Use on EEAC310A, EEAC313A, EEAC316A, EEAC318A, EEAC324A/EEAC324B and EEAC325A/EEAC325B
- Includes two quarts of oil, parts and instructions

ACT71-0A Vacuum Pump Kit
- 32 oz bottle



ACT71-0A

⚠WARNING
- Wear safety shield (user and bystander)
- Read safety precautions on pages W1 to W4

AIR CONDITIONING: SERVICE EQUIPMENT (R134A AND R1234YF)


ACT825


ACT795UVA


ACT785B


ACT760B

Refrigerant Gas Leak Detectors

Specifications	ACT825	ACT795UVA†	ACT785B†	ACT760B†
Sensitivity Range	0.05 oz/yr, medium 0.25 oz/yr, low 0.5 oz/yr	0.05 oz/yr (R134a)	.05 oz/yr (R134a), .03 oz/yr (R22)	.05 oz/yr (R134a), .03 oz/yr (R22)
UV Mode	12 UV LEDs	3 UV LEDs	—	—
UV Wavelength	385–410 nm	395–415 nm	—	—
Sensing Tip Life	>2,000 hours	>300 hours	>300 hours	>300 hours
Power Supply	2 “D” alkaline batteries	4 “AA” alkaline batteries	4 “AA” alkaline batteries	4 “AA” alkaline batteries
Battery Life	60 hours	8 hours continuous	8 hours continuous	8 hours continuous
Warm-Up Time	<40 seconds	<20 seconds	<20 seconds	<20 seconds
Automatic and Manual Calibration	Automatic	Yes	Yes	Yes
Probe Length inches	15.5	17	17	17
Weight, lb (kg)	1.8 (0.8)	1.5 (.68)	1.5 (.68)	1.5 (.68)
Warranty	3 Years	3 Years (2 on Sensor)	3 Years (2 on Sensor)	3 Years (2 on Sensor)
Numerical Display	Vertical Color Coded Signal Level Bars	7 segment digital display (1–9)	7 segment digital display (1–9)	—
Alarm Near Sensor	Alarm on microprocessor	Visual probe LED	Yes	—
Carrying Case	Included	Included	Included	—

† CE

ACT825 Heated Sensor Leak Detector
- SAE® Certified Electronic Leak Detector with Color LCD display
- Displays relative magnitude of leaks detected
- Displays unit readiness – Wait, Ready or Interference
- Low, Medium and High sensitivity with visual indication
- Displays the selected mode – Peak, Hold or Mute
- Displays accumulated sensors hours on request with low battery indicator
- Large Color LCD Display
- Flexible 15.5" probe

ACT795UVA Heated Sensor Leak Detector
- Patented three LED UV lights 385–415 nm wavelength for optimum air conditioning dye fluorescence
- No UV enhancement eye glasses needed
- Detects all commercially available dyes
- Unique digital alarm with numeric leak size indicator
- Long life, stable sensor
- Automatic and manual* calibration and reset to ambient levels
- Three adjustable sensitivity levels
- True mechanical pump
- Low battery indicator
- *SAE* J2791 (R134a) and *SAE* J2913* Certified
- Mute feature

ACT785B Heated Sensor Leak Detector
- Unique digital alarm with numeric leak size indicator
- Long life, stable sensor
- Automatic Calibration – Useful in heavily contaminated areas. The unit automatically recalibrates (re-zeroes) to ambient levels, which stops the constant alarm, only responding to higher levels of refrigerant and allows searching for the true source of the leak
- Manual* Calibration – Useful for smaller leaks. This also allows for recalibration to ambient levels, but only when the user chooses to do so. User may want the calibration to remain constant when searching for small leaks
- Three adjustable sensitivity levels
- True mechanical pump
- Low battery indicator
- *SAE* J2791 (R134a) and *SAE* J2913 (HFO-1234yf) Certified, EN14624 Certified
- Mute feature
- Garage tough
- Visual LED leak alarm near sensor
- Carrying case included
- Inspection light utilizing bright 6,000 MCD LEDs
- CE approved

ACT760B Heated Sensor Refrigerant Leak Detector
- Heated Sensor Technology
- Long life, stable sensor
- Automatic and manual calibration and reset to ambient levels
- Three adjustable sensitivity levels
- True mechanical pump
- Low battery indicator
- *SAE* J2791 (R134a) and *SAE* J2913* (HFO-1234yf) Certified
- Mute feature
- Garage tough

*Added Feature



ACT120A

Electronic Charging Scale (Blue-Point®)

ACT120A Electronic Refrigerant Scale
- Use with R12 or R134a refrigerants
- Reads transfer amount during charging or recovery operations
- Reads in pounds or kilograms
- Auto off function after three hours

Specifications	ACT120A
Capacity, lb (kg)	240 (110 Kg)
Accuracy	±.16 oz (±0.01 kg) or 0.1% of reading (whichever is greater)
Resolution	0.01 lb (0.01 kg)
Operating Temperature	32 °F–120 °F (0 °C–49 °C)
Platform	9" (228.6 mm) square
Power Supply	9V battery (included)
Battery Life	Approx. 40 hrs



ACTUVPROKT

Metered UV Injection Kit

ACTUVPROKT Metered UV Injection Kit
- New technology dye injection solution
- One precise squeeze of trigger per application
- More accurate than caulk style guns
- Includes high capacity 12 oz cartridge that covers 96 applications

ACTUVPRO12 Dye Cartridge (12 oz)
- 12 oz dye cartridge for ACTUVPROKT

ACTUVPRO Injection Gun, Hose, Coupler
- Injection gun only for ACTUVPROKT



ACTUVQUADKT



ACTUVINJKTA



ACTUVMINI4

Ultraviolet Leak Detector Kits (LED Light) *(Blue-Point)*

ACTUVQUADKT UV Leak Detection Kit
- Includes four LED UV light, mini dye injector, A/C dye cartridges, hose with R134a coupler, R12 adaptor, 1 oz of coolant dye, 1 oz of oil/fuel/ATF dye, 10 A/C service labels and UV glasses

ACTUVMINI4 Mini LED UV Flex Light and UV Goggles Kit
- Bright LED light with 12" flexible probe gets in tight spots
- Comfort grip light handle with conveniently located on/off button
- Includes flex light and UV safety glasses

ACTUVC10 Dye Cartridge
- Ten-application dye cartridge with ten A/C service labels

ACTUVINJKTA A/C Leak Detection Kit
- Detects A/C refrigerant leaks quickly and easily
- Universal A/C dye is SAE® certified and OEM approved

Includes:
- Universal A/C dye to service up to 40 vehicles ACTUVKITRHT for refills
- Exclusive gun style injector and dye cartridge
- Powerful 1 W Luxeon® light
- Compatible with fluorescent dyes
- UV Glasses
- Convenient storage case
- R134a adaptor
- Service stickers

ACTUVKITRHTA Dye Cartridges, 1 oz (Qty 4)

⚠WARNING

- Wear safety shield (user and bystander)
- Read safety precautions on pages W1 to W4

AIR CONDITIONING: SERVICE EQUIPMENT (R134A AND R12)





ACTUVDYEKIT

Ultraviolet Leak Detector Kits (High Intensity Light)

ACTUVDYEKIT UV Leak Detection Kit
Includes high intensity light (ACTUVDYEKIT1), dye injector and cartridge with 25 applications, hose with R134a coupler (ACTUVDYEKIT2), R12 adaptor (ACTUVDYEKIT4), (25) A/C service labels (ACTUVDYEKIT5), UV safety glasses (GLASS20BKY) and storage case (ACTUVDYEKIT6).

ACTUVDYEKT1 High Intensity UV Light
- High intensity 12V DC/50 W compact light gets in tight spots
- Coiled cord extends to 14' with clips for attachment to battery

ACTUVDYEKT2 Injection Hose
- Hose with R134a coupler for ACTUVDYEKIT

ACTUVDYEKT3 Replacement Injector Handle
- Replacement injector handle for dye injector in ACTUVDYEKIT

ACTUVDYEKT4 R12 Adaptor
- R12 adaptor for ACTUVDYEKIT

ACTUVDYEKT5 A/C Service Labels
- Pack of 25 A/C service labels for ACTUVDYEKIT

ACTUVC25 Dye Cartridge
- 25-application dye cartridge with (25) A/C service labels

GLASS20BKYA Safety Glasses
- Black frame with amber lens



ACTUVKITC

Ultraviolet Leak Detector Kits

- Inject dye in low side port on automotive A/C system, circulate and check for leaks with the UV Mini Light
- Detect leaks as slow as 1/4 oz per year
- Use optional dyes to check for leaks in engines, transmissions, hydraulic systems and power steering systems

ACTUVKITC R12/R134a UV Leak Detection Kit (Blue-Point®)
Includes:
ACTUVGUN Injection Gun Kit *(Blue-Point)*
ACTUVGUN3 Injection gun *(Blue-Point)*
ACTUVGUN5 R134a Injection gun adaptor *(Blue-Point)*
ACTUVGUNA9 R12 System injection gun adaptor
ACTUVGUNB8 Universal dye cartridge (8 oz)
- Universal dye cartridge
- 64 applications
- SAE®-J2297 certified and OEM approved dye
- Service stickers included

ACTUVLITE4 UV Enhancing Glasses *(Blue-Point)*
ACTUVLITEA8 Swivel head UV light (12V, 50 W) *(Blue-Point)*
ACTUVGUNA Injection Gun Kit *(Blue-Point)*



ACTUVGUNB8



ACTUVGUNB

Ultraviolet Leak Detector Dye Cartridges/Accessories

Stock No.	Description
ACTUVGUNP1	PAG Oil Cartridges/46 Viscosity (six, 8 oz)
ACTUVGUNP2	PAG Oil Cartridges/100 Viscosity (six, 8 oz)
ACTUVGUNP3	PAG Oil Cartridges/125 Viscosity for GM® (six, 8 oz)
ACTUVGUNP4	PAG Oil Cartridges/150 Viscosity (six, 8 oz)
ACTUVGUNE1	Ester Oil Cartridges/100 Viscosity (six, 8 oz)
ACTUVGUN2	Universal A/C Dye Cartridge (4 oz)
ACTUV10PAK	Universal Dye Cartridges (ten, 1/4 oz)
YAUVCOOL	Coolant Dye Cartridges. (six, 1 oz)
YAUV4N1	Engine/Transmission/Hydraulic/Power Steering Accessory Dye Cartridges (six, 1 oz)
ACTUVKITJR1	A/C Dye Cartridges (six, 1/4 oz)
ACTUVKITJR2	A/C Dye Cartridges (six, 1 oz)

Universal AC Dye

ACTR53625 Universal A/C Fluorescent Dye, 2 oz
- Universal Dye for Automotive and HVAC A/C Systems
- Cost efficient Concentrated Formula – SAE® Approved J2297 Dye
- 25 applications per 2 oz bottle, 1/12 oz per application
  – Automotive: One application equals 1/12 oz (2.5 ml), per 10 oz (300 ml) oil
  – HVAC: One application equals 1/12 oz (2.5 ml) per 7 lb (3.2 kg) refrigerant
- Inject this dye using any standard dye/oil injector including recommended Snap-on® injector Part #ACT53134A
- Compatible with all oils

Applications:
Inject 1/12 oz of concentrated dye into Automotive or HVAC A/C system. Allow to circulate throughout system. Use UV light to locate leak in A/C system.



ACTR53625

Hybrid A/C Compressor Oil

ACT92707 Synthetic Hybrid A/C Compressor Oil
- High Dielectric formula provides advanced Hybrid A/C compressor protection
- Formulated for vehicles with electric A/C compressors
- Provides outstanding lubricity and compressor protection
- High Dielectric nonconductive formula
- Contains conditioners, inhibitors and anti-wear agents

Applications:
Used to recharge or top off electric A/C compressors oil charge



ACT92707

Ultraviolet Flashlights (Blue-Point®)

ECFUV150 UV Leak Detection Flashlight
- Very high intensity LED technology
- 15x brighter than regular LED lights
- Power comparable to 150 W lamps
- Inspection range of up to 20'
- Compatible with all standard dyes
- Fluorescence enhancing glasses and charger included



ECFUV150

ECFUVDUAL UV Leak Detection Flashlight
- Pinpoints A/C, oil, fuel, ATF, PS, hydraulics, coolant and auto body leaks
- Use with blue lamp with fluorescent dye, white lamp for general component inspection
- 100,000 hour LEDs never need replacing
- UV inspection range up to 6' (1 m–8 m)
- Powered by three AAA alkaline batteries (included)
- Flashlight, holster and fluorescence enhancing glasses included



ECFUVDUAL

ECFUVLEDA UV Rechargeable Flashlight
- 400 nm wavelength – The sweet spot for A/C, oil and coolant dye leak detection
- 95-minute run time at constant power output
- Plug in charger and UV-enhancing glasses included
- Focusing lens enables broad and narrow searches
- Lithium Ion battery
- Compact aluminum housing
- On/Off switch located on handle



ECFUVLEDA

ECFUV17 True UV Flashlight
- 17 true LED bulbs provide impressive UV illumination
- Aluminum body with textured grip for durability and ease of use
- 25,000 hour bulb life for excellent reliability
- Uses three readily available AAA alkaline batteries
- On/Off switch located on handle
- Amber UV safety glasses also included

Specifications
- UV Wavelength – 380–385 nm
- 25,000 hour LED bulb life
- 22 hours run time under normal work conditions



ECFUV17

⚠WARNING
- Wear safety shield (user and bystander)
- Read safety precautions on pages W1 to W4

AIR CONDITIONING: SERVICE EQUIPMENT (R134A, R12, R1234YF)



ACTR5150A

Digital Manifold Gauges (R134a)

ACTR5150A Digital Manifold Gauge Set (R134a) (Blue-Point®)

- Displays refrigerant and oil capacities
- Large easy-to-read LCD screen displays pressure and vacuum readings for R134a
- High quality aluminum block manifold
- Performs system leak check at conclusion of the evacuation process
- Heavy duty hook folds and stores on back
- Rubber boot for added protection
- Includes digital manifold, three 72" hoses and two manual couplers in a storage case



ACT51234A



ACTR1234YF

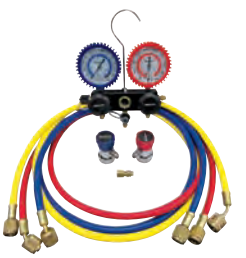
Manifold Test Gauge (R134a/R12)

ACT51234A R12/R134a Manifold Test Gauge

- Three sets of hoses (72" red and blue plus 96" yellow) permit true interchange between R12 and R134a refrigerants
- Large, 1/4 turn positive open/close manifold ball valves
- Oversize sight glass for easy flow viewing
- Extra large 80 mm gauge face for better visibility
- Manual high and low couplers for quick connections
- Nylon barrier hoses meet EPA®, SAE® and UL® standards

ACTR1234YF Manifold Gauge Set

- For vehicles using new 1234yf refrigerant
- Red and blue nylon barrier hoses with 12 mm – male fittings on both ends
- R1234yf high and low side couplers



ACTR9600

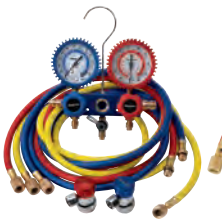
Heavy Duty Manifold Test Gauges

ACTR9600 Heavy Duty Manifold Set

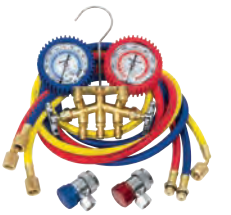
- Heavy duty A/C manifold for large trucks, buses and reefer applications
- Larger profile aluminum block vs. smaller import blocks on competitive units
- Heavy duty conversion couplers for durability
- Couplers are spring loaded to prevent damage to valve cores
- Silicon dampened gauges for durability
- Extra-long 96" length Goodyear® hoses – one each: red, blue and yellow for added reach



ACTR5134A



ACTR4151A



ACTR4131A

Manifold Test Gauges (R134a)

ACTR5134A Manifold Gauge Set

- Extra large
- 80 mm gauge face and oversized sight glass for better visibility
- Large, 1/4 turn open/close manifold ball valves
- Manual high and low couplers for quick connections
- 72" red and blue nylon barrier hoses meet *EPA*, *SAE* and *UL* standards
- 96" yellow charging hose

ACTR4151A Manifold Gauge *(Blue-Point)*

- Manual couplers are spring-loaded to eliminate service valve damage
- Extruded aluminum body with solid brass fittings
- High side and low side silicon anti-flutter gauges (65 mm) reduce vibration
- Sight glass permits visual monitoring of refrigerant flow
- 96" yellow charging hose plus 72" red and blue hoses

ACTR4131A A/C Manifold Set (*Blue-Point*)

- Anti-flutter gauges smooth out needle movement
- Easy grip all-metal side-mounted knobs
- Piston type free-floating valves reduce O-ring wear
- Manual R134a couplers
- 60" red, blue and yellow inner nylon layer hoses meet *EPA*, *SAE* and *UL* standards
- Yellow hose includes shutoff valve

ACTR4772-3 High Side Quick Coupler

ACTR4772-2 Low Side Quick Coupler



ACT1234PKT



ACT91339

AC Service Kits

ACT1234PKT Manifold Repair Kit

- Includes various replacement lens, knobs, O-rings, gaskets and more
- Use to service ACTR4151, ACT9500C, ACTR5134 and ACT51234 manifold gauges

ACT91339 O-Ring Kit

- Complete O-ring assortment for use on R134a and R12 A/C systems. Included 18 common o-ring sizes (270 total).

Replacement Hoses (R134a)

- Low permeation hoses for internal equipment connections
- 1/2" ACME® fittings
- Hoses comply with SAE® J2197

ACTRR72 Replacement Hose, Red, R134a, 72"
Red, 6' length

ACTRR96 Replacement Hose
Red, 8' length

ACTRB72 Replacement Hose, Blue, R134a, 72"
Blue, 6' length

ACTRB96 Replacement Hose
Blue, 8' length

ACTRY72 Replacement Hose, Yellow, R134a, 72"
Yellow, 6' length

ACTRY96 Replacement Hose
Yellow, 8' length



ACTRB72



ACTRY96

Replacement Hoses (R12)

- 6' hoses include 1/4 turn manual shutoff valves
- Comply with *SAE* J2196
- 6' and 8' hoses also available with automatic shutoff valves

ACTB72 Replacement Hose (R12)
Blue, 6', 1/4 turn manual shutoff valve

ACTB72A Replacement Hose (R12)
Blue, 6', automatic shutoff valve

ACTR72A Replacement Hose (R12)
Red, 6', automatic shutoff valve

ACTY72 Replacement Hose (R12)
Yellow, 6', 1/4 turn manual shutoff valve

ACTY72A Replacement Hose (R12)
Yellow, 6', automatic shutoff valve



ACTB72



ACTR72A



ACTB72A



ACT2100



ACTMAN2100

A/C Hose Crimping Tools

ACT2100 Hydraulic A/C Hose Crimper Set (Blue-Point®)

- Recrimp or install most barbed and beaded fittings
- Allows user to create standard or custom length A/C hoses
- Set contains the hand-operated hydraulic crimping tool (ACT21001), four sets of dies for standard fittings and four sets of dies for reduced barrier fittings

ACTMAN2100 Manual A/C Hose Crimper Set *(Blue-Point)*

- Manual version of the ACT2100 hydraulic hose crimper
- Easily mounts to workbench or held securely in a vise
- Includes a complete set of dies covering standard #6, #8, #10 and #12 hose sizes

ACT21001 Crimping Tool

- Hand operated hydraulic A/C hose crimper used to recrimp or install new fittings on A/C hoses

Stock No.	Description	Fitting Size	Hose Size
ACT21003	Standard Die Set	#8	13/32"
ACT21004	Standard Die Set	#10	1/2"
ACT21005	Standard Die Set	#12	5/8"
ACT21006	Reduced Barrier Die Set	#6	5/16"
ACT21007	Reduced Barrier Die Set	#10	1/2"
ACT21008	Reduced Barrier Die Set	#12	5/8"



ACT28B



ACT9005



ACT9103



ACT9106



ACT9006

Vacuum Pumps (R12) *(Blue-Point)*

Specifications	No. of Stages	Free Air Displacement	Ultimate Vacuum	Motor	Pump Speed	Electrical Specs	Shipping Weight, lb
ACT28B	—	Air Operated	28 in Hg	—	—	—	5

Vacuum Pumps (R134a/R12) *(Blue-Point)*

Stock No.	No. of Stages	Free Air Displacement	Ultimate Vacuum	Motor	Pump Speed	Electrical Specs	Shipping Weight, lb
ACT9005	1	1.5 CFM	75 Microns	1/6 HP	3,450 RPM	110V 60 Hz	16
ACT9103	1	3 CFM	75 Microns	1/4 HP	1,720 RPM	110V 60 Hz	17
ACT9106	1	6 CFM	75 Microns	1/4 HP	1,720 RPM	110V 60 Hz	22
ACT9006	2	6 CFM	15 Microns	1/3 HP	3,440 RPM	110/220V 50/60 Hz	24.6

ACT9005 Vacuum Pump

- High efficiency, single stage 1.5 CFM pump
- Ultimate vacuum of 100 microns
- Three inlet port sizes: 1/4, 3/8 *SAE* and 1/2" *ACME*
- Gas ballast valve helps prevent oil contamination
- Easy access oil fill port
- 1/6 HP
- 120V AC motor
- Weight: 16 lb, oil capacity: 6 oz

ACT9006 Vacuum Pump

- High efficiency, two stage six CFM pump
- Ultimate vacuum is 25 microns
- Three inlet port sizes: 1/4, 3/8 *SAE* and 1/2" *ACME*
- Easy access oil fill port
- 1/3 HP 120V AC motor
- Weight: 38 lb, oil capacity: 8 oz

⚠WARNING

- Wear safety shield (user and bystander)
- Read safety precautions on pages W1 to W4

AIR CONDITIONING: SERVICE EQUIPMENT (R134A, R12, R1234YF)



ACT1297



ACT2105



ACT413A



ACT1300B



ACTR82375



ACT53134A

Valve Core Tools (R134a/R12)

ACT1297 Master Valve Core Tool Set (R134a/R12)

- Unique design offers locking device to hold shaft in place when removing or installing valve core
- Makes removal and installation of Shrader valve cores possible on fully charged systems

Includes:

- High side R12 adaptor for GM®/Ford® vehicles (1/4" x 3/16")
- High side R12 adaptor for *Ford* vehicles (1/4" x 1/8")
- R134a high side connector (16 mm)
- R134a low side connector (13 mm)
- 1/4" FL swivel connector
- Box for set component storage
- Large bore valve core remover/installer assembly for *GM* vehicles
- JRA R134a valve core remover/installer assembly
- Eton R134a low side valve core remover/installer assembly
- Eton R134a high side valve core remover/installer assembly

ACT2105 Orifice Tube Service Kit

- Install and remove any style orifice tube
- Remove broken screens and tubes
- Includes auger point shaft puller, for *GM* vehicles, brass extension, puller, remover arbor, remover nut and storage case

Can Tapper Valve

ACT413A Can Tap Valve

- Fits R134a (2 7/8"), R12 (2 1/2") and Oil (2") US standard charge cans
- Includes 1/2" ACME®-M and 1/4" FL-M ports
- Internal safety check valve prevents system backflow
- Composite construction with brass ports
- Includes insert for smaller cans

Seal and Clutch Service

ACT1300B A/C Clutch Remover Set

- Simplifies removal/installation of A/C compressor clutch and clutch plates
- Provides access to shaft seals
- For use with *Ford*, Chrysler® and *GM* vehicle A/C compressors

Oil and Dye Injectors

ACTR82375 Oil Injector (R134a only)

- Use to add refrigerant oil or large amounts of UV leak-detection dyes to A/C systems
- Quickly adapts to manifold gauge sets or charging equipment
- 1/2" *ACME* male x 13 mm R134a low side female threads
- 2 oz capacity
- R134a use only

ACT53134A Oil Injector

- Great for use on standard R134a, hybrid R134a and R1234yf systems
- Any dye/oil can be put into the AC53134A and injected into system
- Dye/oil can be injected in while system is under a vacuum, or against the pressure while the system is full and running
- Heavy duty anodized aluminum construction for years of reliable use
- Injection measurements in 1/10 oz for concentrated dye, 1/4 oz for standard dye and ml



TEMP2A



TEMP10



ACT73A



ACT83A



ACT2030

Thermometers

TEMP2A Digital Thermometer (Blue-Point®)
- Use on A/C systems, cooling systems and other applications
- Reads temperature of liquids, solids and gases
- Easy to read display in °F and °C
- Magnet: cover holds unit in place
- Tip cover protects probe during storage
- Temperature ranges: -58 °F–300 °F (-50 °C–150 °C)
- Resolution: ± 0.1 °F (± 0.1 °C)
- Accuracy: ± 2.0 °F (± 1.0 °C)
- Response time: updates every 1.5 seconds
- Battery: MTACDC1-1 with 35-minute auto power off
- Probe length: 3 1/2" (89 mm)
- Overall length: 7" (178 mm) with case
- CE

TEMP10 Pocket Digital Thermometer *(Blue-Point)*
- Measures liquid, air and surface temperatures via sturdy stainless-steel probe
- Digital display for easy viewing
- Angled viewing head can be rotated 180°
- Convertible from Fahrenheit (F) to Centigrade (C)
- Temperature ranges: -58 °F–300 °F (-50 °C–150 °C)
- Plastic carrying sheath

ACT73A Dual Scale Dial Type Thermometer *(Blue-Point)*
- Range 0 °F–220 °F in 2° increments
- Checks temperature of condenser, outside air and cooling power
- 1 3/4" diameter

ACT83A Dial Type Thermometer *(Blue-Point)*
- Range 0 °F–220 °F in 2 ° increments
- Immerse stem about 2" in liquids, 4" in gases
- 1" diameter

ACT2030 A/C Temperature Tester *(Blue-Point)*
- Quickly and easily determine A/C system performance
- Microprocessor compares temperature at the A/C vent and outside ambient temperature
- Automatic shutoff
- Includes diagnostic chart and tech tips
- Powered by 9V battery (included)
- Range 32 °F–120 °F

R12 SERVICE TOOLS



ACT106B



ACT1009A



ACT1008A



ACT119

Adaptors/Valves/Connectors

ACT106B Expansion Tube Remover
- For most GM® vehicle models
- 4" long

ACT1009A Orifice Tube Remover
- Use as CCOT and FFOT screen extractor
- Use in conjunction with ACT106B

ACT1008A Orifice Tube Tool
- Services A/C systems
- 6 1/4" long

ACT119 Quick Connect Set
- Simplifies connecting to core valve service fittings
- Includes straight coupler and a 90° coupler that accept either of two adaptors

AIR CONDITIONING: SERVICE TOOLS


ACT1046C


ACT111B


ACT118B


TR109


ACT1290A


ACT81290


ACT499A


R404


RF818SC


TLE80A


ACT407


EECT4H


GOGGLE1


ACT1370

Service Tools

ACT1046C Flush Kit
- Pressure flush condensers, evaporators and refrigerant lines after A/C system is completely discharged
- Designed to work with any lightweight flushing material that can be mixed with pressurized air
- Includes flush gun, hose, canister and canister adaptor

ACT111B Compressor Oil Injector Adaptor
- Aluminum body holds up to 2 oz of oil
- Uses pressure differential of the high and low side of A/C system

ACT118B Spring Lock Coupler Set (Blue-Point®)
- Four-piece set aids in disconnecting refrigerant line couplings on many 1981 and later Ford® vehicle A/C systems
- Color coded: red, 3/8"; blue, 1/2"; black, 5/8"; and beige, 3/4"

TR109 Valve Core Tool
- Use to remove or replace valve cores on A/C systems (large bore)
- 6 3/4" long

ACT1290A Universal Valve Core Service Tool
- Removes and replaces standard size Schrader-style valve cores plus the larger size found in GM® vehicle systems

ACT81290 Universal Valve Core Service Tool
- Use on R12/R134a standard valve cores and JRA/EATON large bore R134a valve cores

ACT499A Spanner Wrench
- Adjustable three stud design for R-4 compressors in *GM* vehicles
- Applications on some *GM*, Warner®, Pitts® and Ogura® vehicle clutches

R404 Refrigeration Ratcheting Box Wrench
- Four popular square sizes: 3/16", 1/4", 5/16" and 3/8"
- Quick ratcheting action with reverse levers at both ends

RF818SC Refrigerant Ratcheting Box Wrench
- 9/16" six point for servicing compressor valve caps on one end
- 1/4" female square on other end for vehicles without Schrader valves

TLE80A 1/4" Drive TORX® 6-Point Socket
- Service size E8 *TORX* fasteners on many compressors

TLE60A 1/4" Drive *TORX* 6-Point Socket
- Service size E6 *TORX* fasteners on 1977 and later Eaton® and York® compressors

ACT407 Fin Straightener and Cleaner
- Multihead tool handles 8, 9, 10, 12, 14 and 15 fins per inch
- 4 1/4" long

EECT4H Circuit Tester
- Used to detect power and ground, also to find shorts and breaks
- Patented Instinct® handle for style and comfort
- Molded internal contact links with the LED assembly top dimple for low loss signal transfer
- Smart LED design has more brilliant light output and longer life than traditional bulb
- Finger turn screw on strain relief is easy on/off, has flexible wire protection at the critical bending point and is O-ring sealed
- Low power consumption and smart circuit design
- Copper clip is a superior quality component for maximum electrical signal transfer
- Superior flex wire glides past components and remains flexible, even in cold conditions
- Rubber Boot material stays flexible

TECHNICAL SUPPORT: 1-888-382-6522

GOGGLE1 Protective Goggles
- Durable molded frame with flexible elastomer seals comfortably for a custom fit around nose, cheeks and forehead
- Quick adjust headband clips permit fast and easy fitting
- Indirect ventilation system channels and directs airflow over the lens
- Uvex® 4C+™ lens coating protects against fogging, scratches and ultraviolet rays
- ANSI® Z87.1-1989

ACT1370 Disconnect Set *(Blue-Point)*
- Convenient plastic holder included
- Useful on air conditioning spring couplings as well as push-lock connectors on radiator and transmission lines
- Includes six tools for disconnecting spring couplings on *Ford*, *GM* and Chrysler® air conditioning lines
- Works on fuel lines and can be used as push-lock connectors on radiator and transmission lines
- Included sizes are 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8"

TURN YOUR COOLING BUSINESS INTO COLD HARD CASH.

When you keep every vehicle running cool – every time – that means more business comes your way. Snap-on helps you with the latest technology in cooling system products and complete cooling system coverage. From cooling system pressure testers, to radiator cap adapters, to cooling system fillers, Snap-on makes your job a breeze.



COOLING: RADIATOR TOOLS


SVTSRAD262A


SVTSRAD262U


RADKITPLUSA


RADKITPLUSJR


YA4505

Vacuum Cooling System Filler

SVTSRAD262A Vacuum Cooling System Filler
- Eliminates cooling system air locks that cause overheating
- Ideal for vehicle specific shops or municipal garages
- Expands the versatility of SVTS262C cooling system tester
- Adaptors available separately for virtually all import and US vehicles
- Gauge includes internal shock resistance feature and protective rubber boot to assure an accurate reading
- Includes main body assembly, Venturi® and hose assembly, suction hose assembly, instruction manual with complete adaptor list

SVTSRAD262U Universal Cooling System Filler
- Universal version does not require cooling system adaptors
- Includes two universal style cones to cover most applications

RADKITPLUSA Cooling System Vacuum/Filler
- Easily eliminate cooling system air locks that can cause overheating
- Vacuum test checks for system leaks prior to filling
- Gauge protector helps prevent damage to gauge housing
- Push-button vacuum valve for easy operation
- Fills system quickly by siphoning directly from the mix container
- Requires 90 PSI (4.2CFM) air supply
- Includes *Venturi* assembly gauge and gauge protector, refill hose assembly, adaptors for most applications, universal fit cone adaptor, hose assembly and instruction manual with complete adaptor list in storage case

RADKIT5 Radiator Neck Adaptor Kit
- Radiator neck fitting adaptor kit for RADKITPLUSA
- Includes four adaptors in sizes .54", 1.36", 1.57" and 1.86"

RADKITPLUSJR Vacuum Cooling System Refiller
- Reduces system filling time, eliminates airlocks and checks for system leaks
- Compact size allows access in restricted underhood areas
- Cone adaptor ensures unit will work on most US and import passenger vehicles and light trucks
- Push-button control valve eliminates the need to interchange hoses
- Shop air (90 PSI) quickly draws a powerful vacuum
- Eliminates system bleeding and purging

YA4505 Universal Radiator Adaptor (Blue-Point®)
- 95% application coverage on cars and light trucks
- Replaces as many as 25 other costly radiator adaptors
- Compatible with radiator necks or reservoir tanks
- Can be used with RADKITPLUSA or RADPLUSA cooling system fillers, YA4000B vacuum and pressure pump and SVTS262A, SVTS262B and SVTS262C cooling system testers


YA2090


RCR1


YA9190


2009FPI


YA7747


CG25


GA424A


LDTSP4

Radiator and Freeze Plug Tools

YA2090 Radiator Cap Wrench *(Blue-Point)*
- Grips and removes radiator caps with or without wings
- 7 1/2" in length

RCR1 Radiator Coolant Reservoir Cap Tool
- 3/8" drive tool is used to remove stubborn radiator coolant reservoir caps on BMW® vehicle engines
- Will not mar the reservoir cap like pliers can
- Made of nylon
- 2006–present *BMW* vehicles

YA9190 Universal Radiator Drain Plug Socket *(Blue-Point)*
- Double slotted end of this 3/8" drive socket will fit most radiator drain plugs that have thumb wings
- Will fit Acura®, Honda®, Toyota®, Lexus® and other import vehicles

2009FPI Freeze Plug Installer Kit
- 18 1/2" long installing tool with ball type swivel for easy positioning
- Seven installer heads in 20 mm, 25 mm, 30 mm, 35 mm, 40 mm, 45 mm and 50 mm sizes

YA7747 Pneumatic Adaptor *(Blue-Point)*
- Speeds freeze plug installation
- Use with 2009FPI Installer Kit
- 401" Parker-style shank enables use with air hammers

CG25 Freeze Plug Puller
- Freeze plugs up to 2" in diameter
- 1/4" thick yoke receives 2 7/8" long self-tap screw
- Drill 17/64" hole first

GA424A Belt Tension Gauge
- Range is 30–180 lb (130–800 N•m)
- Squeeze handle, place gauge on drive belt, release handle and read

LDTSP4 Quick Disconnect Fittings Set
- Includes sizes 3/8", 1/2", 5/8"–30% and 5/8"–39%
- **Applications:** 1996 and newer GM® vehicles, many 2004 and newer Daimler Chrysler® vehicles, some 2005 and newer Mercedes® vehicles, V-Rod®, Freightliner®, Peterbilt®, Volvo® and White®. Handy spring action keeps the tool on the line for ease of use. Teeth fit perfectly into tight tolerance of Jiffy-tite® connectors. When rotated, allows the line to be pulled without damage to the connector or retaining clip. Fits the most popular *Jiffy-tite* fittings found on oil cooler lines used on transmissions and radiators and on other applications



AF102



YAUVCOOL



GDCT16

Antifreeze and Coolant Testers

AF102 Antifreeze Hydrometer (Blue-Point®)

- Degree of protection indicated by direct reading; no temperature compensating scales required
- Range of -60 °F–32 °F
- Range of -51 °C–0 °C
- Tests hot and cold solutions

Leak Testers

GDCT16 Combustion Leak Tester *(Blue-Point)*

- Provides an easy and quick way to diagnose engine overheating problems
- Checks for leaks between the combustion chamber and the cooling system
- Test head and gasket for combustion leaks before removing the radiator
- Double chamber in testing unit provides a high level of accuracy
- For use on water-cooled gas and diesel engines
- Kit includes complete test chamber, 16 oz bottle of testing fluid and instructions

GDCT161 Leak Detector Fluid *(Blue-Point)*

- 16 oz bottle of leak testing fluid for the GDCT16 combustion leak tester

YAUVCOOL Leak Detector Fluid *(Blue-Point)*

- Six 1 oz bottles of dye for coolant systems for use with ACTUVLITEA



SVTS272



SVTS263A



SVTS2000

Cooling System Testers

SVTS272 Cooling System Tester

- New pump will achieve higher pressures needed for new vehicles
- Design reduces physical effort by nearly one-half
- Includes the four most commonly required adaptors
- Easy identification: adaptors look like the caps from the systems they test
- Safe pressure relief system protects technician from exposure to coolant
- Pump can produce up to 30 PSI to pressure test cooling system of cars and light trucks and even heavy duty trucks with included adaptors
- Set can test over 90% of the vehicles in the field
- Set can pressure test most US or Asian made vehicles
- Add additional adaptors required to test European made vehicles

SVTS263A Cooling System Pressure Tester, Air Powered

- Uses pressure-regulated shop air to pressure test cooling systems for leaks
- Sensitive pressure regulation allows safe testing of small systems
- Sufficient capacity to fill large systems in seconds
- Stainless-steel rugged and chrome plated components ensure maximum durability and a lasting finish
- Compatible with most commonly used cooling system adaptors
- Pressure gauge has internal shock absorber protection and rubber boot
- Safety spring release cap assembly limits pressure to no more than 32 PSI
- Convenient swivel hook allows unit to be hung from under vehicle hood
- Includes three of the most common cooling system adaptors: TAB10036, SVT262-28A and TA38C

SVTS2000 Coolant Barrier Pressure Tester

- Change cooling-system components without draining system
- Uses shop air to create light vacuum that prevents coolant from draining as a component is changed
- Large hose and higher air flow allows even overfilled systems to be worked on without draining
- Clear intake hose allows technician to see when coolant is being pulled into the tool
- Switch from coolant retention to pressure testing just by turning a valve handle

WARNING • Read safety precautions on pages W1 to W4

COOLING: RADIATOR TOOLS


SVT262-28A


SVT262-29


TA16B


TA23A


TA18B


TA26A


TA27


TA31A


TA30A


TA32A


TA33A


TA34A


TA36GM


TA37


TA38C


TA39A


TA41


TA40


TA44


TA45


TA46


TA47


TA48


TA49


TA50


TA52


TA53


TA54


TA56


TA57


TA58


TA59


TA445


TA446


TA4503


TA245A


TA246A


TA345A


TA346A


TA4505

TA4504

A4503A

Cooling System Tester Accessories

Radiator adaptors and cap adaptors listed below can be used with the SVTS262 Series and SVTS263 Series cooling system testers. See SVTS262C cooling system tester instruction manual for complete listing of specific model year applications.

Radiator Adaptor	Cap Adaptor	Vehicle Applications
SVT262-28A	SVT262-29	Acura®, Chevrolet®, Chrysler®/Dodge®/Eagle®/Plymouth®, Ford®/Lincoln®/Mercury®, Geo®, Honda®, Hyundai®, Infiniti®, Isuzu®, Lexus®, Mazda®, Mitsubishi®, Nissan®, Subaru®, Suzuki® and Toyota®
TA16B	TA23A	VW® and Audi®
TA18B	TA26A	Volvo®, Saab®, Jeep®, Sterling® and Renault®
TA27	–	*Volvo* large trucks with 63 mm x 3 mm threaded filler neck
TA31A	TA30A	*VW*
TA32A	TA33A	Buick®, Cadillac®, *Chevrolet, Ford,* International®, Mercedes®, Oldsmobile®, Pontiac® and Saturn®
TA34A	TA246A	*Ford,* Jaguar®, *Pontiac,* Porsche®, Range Rover® and Saab®. Use with TA246A cap adaptor
TA36GM	TA37	*Cadillac, Chevrolet, Geo,* GMC®, *Pontiac, Oldsmobile* and *Saturn*. Use with TA37 cap adaptor
TA38C	TA39A	*Acura, Chevrolet, Chrysler, Geo, Honda, Isuzu, Lexus, Mazda, Mitsubishi, Suzuki* and *Toyota*. Use with TA39A cap adaptor
TA41	TA40	*Audi* and *VW*
TA44	TA45	*Mercedes*
TA46	TA47	*Ford, Jaguar* and *Mazda*. Use with TA47 cap adaptor
TA48	TA49	*Toyota*
TA50	–	*Volvo* large trucks with 48 mm x 3 mm male thread on filler neck
TA52	TA53	*Mazda* 3 (2004 and later) and *Volvo* S40/V50 (2004 and later)
TA54	–	Freightliner® trucks with 60 mm x 3 mm male thread on filler neck
TA56	TA57	Cobalt SS (2005 and later) and *Saturn* Ion Redline (2004 and later) with Supercharger cooling systems
TA58	TA59	2007 *Dodge* Sprinter® Van with 42 mm x 2.5 mm thread on filler neck
TA445	TA446	BMW® 3-series (2006 and later) and 5- and 6-series (2005 and later)
TA4503	–	1980s GM® X and J body cars
TA245A	TA246A	*BMW* and *Mercury*. Use with TA246A cap adaptor
TA345A	TA346A	*BMW* and *Range Rover*
TA450A	Truck Adaptor Set	For trucks with "B" size (2 $^{11}/_{16}$" OD) filler neck adaptors. Includes A450-1A rubber plug
TA4505	TA4504	For trucks with "B" size (2 $^{11}/_{16}$" OD) filler neck adaptors
A450-1A	Rubber Plug	Use with TA450A truck adaptor kit or as a replacement plug for A4503A *GM* adaptor kit
A450-2A	Rubber Gasket	Use with TA450A truck adaptor kit or as a replacement gasket for A4503A *GM* adaptor kit
A4503A	GM Adaptor Set	Tests system pressure on closed cooling systems on *GM* 2.5L "X" body cars and 1.8L "J" body cars


TAB10022


TAB10025


TAB10031


TAB10034


TAB10036


TAB10041


TAB10044


TAB10046

Cooling System Adaptor Set (Blue-Point®)

Radiator Adaptor	Vehicle Applications
TAB10022	Pre-1990, VW®, Audi® and Porsche®: Boxster®, Cayman, 911
TAB10025	Volvo®, Saab® and Jeep®
TAB10031	*VW* 1990–1998
TAB10034	Ford®, Jaguar®, *Saab* and Saturn®
TAB10036	GM®, *Ford, Jaguar,* Mazda® and Nissan®
TAB10041	*VW, Audi* and *Porsche*
TAB10044	Mercedes-Benz® and Chrysler®
TAB10046	*Ford, Jaguar* and *Mazda*
TAB10048	Some Lexus®, Scion®, Toyota® (especially hybrids)
TAB10052	*Mazda* 3, most *Volvos*, Range Rover® and 2012 *Ford* Fiesta
TAB10056	Chevrolet® Cobalt and *Saturn* Ion
TAB10245	Pre-1988 BMW® and Merkur
TAB10345	Most *BMW* (1998–2006) and *Range Rover*
TAB10445	*BMW* 2005 and later


TAB10048


TAB10052


TAB10056


TAB10245


TAB10345


TAB10445

SVTAB1400 Cooling System Adaptor Set *(Blue-Point)*
- TAB series adaptors feature a composite metal/plastic construction for a lower cost option
- Includes (14) radiator composite metal/plastic radiator adaptors
- Storage case has extra storage compartments to accommodate the pump and gauge assembly and original three adaptors from the SVTS262C set
- Includes all TAB series adaptors (except TAB10036) plus TA4503 adaptor
- See instruction manual for a complete listing of all applications

PBSVTA1417 Storage Case
- Storage case for SVTAB1400
- Removable cover for display


SVTAB1400

Cooling System Tester (Bladder Sealing System) *(Blue-Point)*

Stock No.	Description	Application
SVT27515	Pressure Pump	—
SVT2752	Gauge, 0–30 PSI (0–207 kPa)	—
SVT2753	Spare Bladder	—
SVT27516	Valve Seal Kit	—
SVT27517	Head Assembly	—
SVT2756	Neck Extension (Blue)	*VW* header tanks
SVT2757	Neck Extension (Red)	Japanese micro vehicles
SVT2758	Neck Extension (Black)	*Audi/VW* header tanks
SVT2759	Cap Adaptor (Blue)	Standard bayonet, *Ford* header tank, *GM* N-body
SVT27510	Cap Adaptor (Yellow)	*Jeep, Saab, Audi/VW* external thread header tanks
SVT27511	Cap Adaptor (Green)	Small Japanese deep, *Audi/VW* internal thread header tanks
SVT27512	Cap Adaptor (Red)	Small Japanese shallow, late model *Audi/VW* external thread header tanks
SVT27513	Cap Adaptor (Orange)	Late model *BMW*, Land Rover® and *Range Rover*
SVT27514	Cap Adaptor (Gray)	Late model *Mercedes-Benz* with thread type


SVT275

SVT275 Cooling System Tester
- Inflatable bladder-sealing system enables use with most passenger and light commercial vehicles
- Tests header tanks and radiator systems as well as thread type and bayonet style caps
- Locate leaks from head gaskets, radiator and heater cores, Welch plugs and housings, water pumps and hoses
- Test cap relief pressure and seal condition
- Suitable for marine applications
- Fluid drain tube allows coolant to be returned to reservoir or safely collected for recycling
- Cycle tested to over 1,500 inflations
- Set includes SVT2751–SVT27514 (14pc) plus air supply hose and instruction manual in storage case

⚠WARNING • Read safety precautions on pages W1 to W4

COOLING: TESTERS



SVTA6100

Truck Cooling System Adaptor Set

SVTA6100 Large Truck Cooling System Adaptor Set
- Designed for use with the SVTS262C but compatible with virtually any cooling system tester
- Ideal for servicing large trucks (Volvo®, Kenworth®, Freightliner® and more)
- Pressure test the eight different filler necks found on modern large trucks when combined with the pump and TAB10036 adaptor from the SVTS262B, SVTS262C or SVTS263A sets
- Can also be combined with the SVTS263A air powered cooling system pressure tester to provide virtually 100% truck coverage
- Includes TA27, TA50, TA54, TA32A, TA4505 and TA58 adaptors plus instruction manual in PBSVTA600 storage case

SERVICE TOOLS



YA1000A



PWC60



HCR1

Hose Cutters and Removers (Blue-Point®)

YA1000A Multi Cutter
- Ideal for cutting heater hoses, fuel line hoses, copper wiring, PVC pipes, wiper hoses and air brake hoses, plus any resilient or semi-resilient material with a 0–1 1/8" diameter
- Comfort contoured handles with plastic grips
- Wire loop for safe storage: 9 5/8" long

PWC60 Compound Leverage Hose Cutter
- 8 1/2" compound action multiplies normal hand pressure to easily slice through rubber and plastic hose up to 1 1/8" in diameter
- Includes stainless-steel cutter blades and internal components

HCR1 Heater Hose Coupler Removal Tool
- Removes broken heater hose couplers on GM® vehicles
- Can be used with an impact wrench



YA9325-1



YA9325-2



YA9521



YA9526



YA9980



YA6160



YA6210

Fan Clutch Wrenches/Pulley Holders *(Blue-Point)*

YA9325-1 Metric Flat Wrench
36 mm wrench size, 343 mm long

YA9325-2 Crowfoot Wrench
58 mm wrench size, 58.7 mm long

YA9521 Flat Wrench
36/48 mm wrench size, 356 mm long

YA9526 Fan Clutch Wrench for Ford® Vehicles
- 40 mm open end wrench
- Use with YA9325-2 or YA9522
- Applications include 4.9 L Econoline® vans (1992–1996) and 4.9 L F-Series pickups (1993–1996)

YA9980 Water Pump Fan Clutch Pulley Holder
- Use on vehicles with pressed on pulleys
- Use on *GM* (6.0 L V8 1999 and later) and Chrysler® (3.9 L V6, 4.7 L V8, 5.2 L V8, 5.9 L V8, 8.0 L V10 1998 and later)
- Cannot be used on *Chrysler* 4.7 L V8 using factory replacement water pumps

YA6160 Universal Fan Clutch Pulley Holder
- Removes and replaces the fan clutch on vehicles using "bolt on" water pump pulleys
- Reverse pulley holder for assembly operations
- Use with YA9521 36/48 mm wrench or YA9526 40 mm wrench for many *Chrysler*, *Ford*, Lincoln®, Mercury® and *GM* applications

YA6210 Fan Clutch Wrench for BMW®/Audi®/VW® Vehicles
- 32 mm fan clutch wrench is used with YA6160 fan clutch pulley holding tool to service *Audi* vehicles (1996 and later), *VW* Passat® 3.0 L V6 (1998 and later) plus *BMW* 3, 5, 6, 7, 8, X and Z series vehicles
- YA6160 works on all models listed except 4.0 L and 4.4 L V8 engines
- Made from heat-treated steel
- Overall length of 17" (431.8 mm)



YA6180



FCT706



YA6120

Fan Clutch Wrenches/Pulley Holders (Blue-Point®)

YA6180 Fan Clutch Wrench
- Use on GM® and Ford® diesel and gas engines with a 48 mm fan clutch nut
- Provides the extra leverage needed to remove the fan clutch nut
- Overall length of 20 1/8"
- Head width of 4 1/8"
- Head thickness of 3/8"

FCT706 Fan Clutch Wrench
- Fan clutch wrench for heavy duty truck engines
- Hole pattern on tool aligns with fasteners on fan hub
- Use with open end wrench to remove fan clutch. 24 1/2" length for maximum leverage

Applications: International® (VT365, T444E, DT466, DT350 and HT530), *Ford* Power Stroke® (7.6 L and 6.0 L), Detroit Diesel® (Series 40) and John Deere® engines.

YA6120 Fan Clutch Wrench Set
***Ford*/Lincoln®/Mercury® Applications:** E-Series trucks 4.9 L (1984–1991), F-Series trucks 4.9 L (1984–1992), Bronco® II and Ranger® 2.8 L (1984–1985), *Ranger* 2.9 L (1986–1992), Aerostar® 3.0 L (1986–1988), *Aerostar* and *Ranger* 4.0 L OHV (1990 and later), Explorer® 4.0 L OHV (1991 and later), Mazda® Navajo 4.0 L OHV (1991–1994), *Mazda* B4000 4.0 L OHV (1995 and later), *Explorer* 4.0 L V6 SOHC (1997 and later) and Mountaineer® 4.0 L V6 SOHC (1998 and later). ***GM* Applications:** Astro and Safari® vans 4.3 L, Blazer, Jimmy and Bravada® SUV 4.3 L, S10, Sonoma and Isuzu® Hombre pickups with 2.2 L 4 cylinder and 4.3 L V6, C1500, C2500, C3500, K1500, C1500/C2500/C3500/K1500 Sierra pickups, G1500/G2500 Chevrolet® Express, G1500/G2500 Savana vans 4.3 L V6, 5.0 L V8 and 5.7 L V8; and Suburban®, Tahoe®, Yukon®, Escalade®, Denali® and Envoy® 5.7 L V8.



HCP48CF



HCP9



HCP10



HCP20

Hose Clamp Pliers

HCP48CF Mobea Hose Clamp Pliers
- Three position joint gives wider jaw spread
- For 3/4"–2" diameter clamps
- Radial jaw serrations allows user to grip and adjust hose

HCP9 Corbin Heater Hose Clamp Pliers *(Blue-Point)*
- 9" length
- Removes or replaces all spring wire hose clamps
- Deep slotted jaws swivel 180° and lock in three different positions

HCP10 Mobea Heater Hose Clamp Pliers *(Blue-Point)*
- 9" length
- Same as HCP9, except for new style hose clamps found on *GM*, *Ford*, VW®, BMW®, Toyota®, Volvo® and Audi® cars

HCP10RK Service Kit *(Blue-Point)*
- Includes one pair of replacement tips plus a replacement spring for HCP10

HCP20 Mobea Heater Hose Clamp Pliers *(Blue-Point)*
- For heater and radiator hoses found on 1988–1990 *GM*, *Ford*, Chrysler® and most imports
- Jaws pivot to almost any angle



YA497A



PHP1



PHP3



HCP313

Hose Clamp Pliers *(Blue-Point)*

YA497A Hose Removal Pliers
- Simplify removal of 5/32"–1/2" vacuum and fuel hoses
- 8" in overall length

PHP1 Hose Clamp Pliers
- Clamp off hoses up to 1 1/4" in diameter
- Swivel jaws for parallel clamping action
- 9 1/4" in overall length

PHP2 Hose Clamp Pliers
- Clamp off hoses up from 1 1/4"–2 3/4" in diameter
- Swivel jaws for parallel clamping action
- 4 3/8" jaw length
- 14" long

PHP3 Hose Clamp Pliers
- Clamp off hoses up to 3/4" in diameter
- Swivel jaws for parallel clamping action
- 1 1/4" jaw length
- 5 1/2" long
- Black industrial finish

HCP313 Adjustable Hose Clamp Pliers Set
- Enables technician to access, release, remove and install constant tension hose clamps
- Newly designed superior ratchet mechanism for ease of operation
- 360° rotating deep slotted tips firmly grip clamps at any angle
- Ergonomically designed with solid rivet construction for long life and durability
- Extended reach for easy access to engine compartment
- Soft-touch grips are double dipped for increased comfort and control
- Heat-treated steel for strength and corrosion resistance
- Electroplated arms and tips for durability
- Set includes HCP13 straight, HCP1345 45° and HCP1390 90° angled heads for optimum positioning

HCP13 Straight Hose Clamp Pliers
HCP1345 45° Hose Clamp Pliers
HCP1390 90° Hose Clamp Pliers

⚠WARNING

- Do not use "cheater bars" on handles
- Plastic coated handle does not protect against electric shock
- Read safety precautions on pages W1 to W4

COOLING: REMOTE HOSE CLAMP PLIERS



SHCP1A



SHCP2

SHCP1A Remote Hose Clamp Pliers
- Used to remove standard, space-saver and pre-opened hose clamps up to 2"
- Unique jaw design works on all three clamp types
- Heavy Duty 5/64" cable for extra long life
- Bi-mold grips with cable snap feature
- Five-stop ratchet lock with slide guide
- Easy replacement cable fixture

SHCP2 Remote Hose Clamp Pliers
- Infinite Locking Positions – Friction locking mechanism allows user to hold the clamp open at any position from closed to fully opened
- Ergonomic Grip – Low constant operating force applied to the wide comfortable pistol grip results in reduced effort and hand fatigue during operation
- Increased Accessibility – Longer cable is flexible over its entire length, allowing it to reach in and around obstacles that "slide style" remote hose clamp pliers cannot
- Longer Clamp End – Longer flexible engaging end works on larger clamps in any position on the hose
- Lifetime warranty on handle–Repair kit available for cable and jaws

SERVICE TOOLS



SGA173BR



SGA174BG



SGA175BO



SGA1710BR



SGA1711BG



SGA1712BO



SGA176BR



SGA177BR



SGCP1BR



SGRHT2BO



SGRHT6BR



SGRHTLB3BR

Soft Grip Handle Colors

Red	Orange	Green
R	O	G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Soft Grip Hose Picks

- Ideal for removing and replacing hoses and clamps
- Unique hose blade design for getting around the most difficult obstacles
- Soft, solvent-resistant handle material provides a sure, comfortable grip

Red	Green	Orange	Finish	Blade Length, inches (mm)	Length, inches (mm)	SGRHT2BR	SGRHT2BG	SGRHT2BO	SGRHT6BR	SGRHT6BG	SGRHT6BO	SGRHTLB3BR
SGA173BR	SGA173BG	SGA173BO	Chrome	5.43 (137.9)	10.33 (262.4)	•	•	•	•	•	•	
SGA174BR	SGA174BG	SGA174BO	Chrome	4.94 (125.5)	9.84 (249.9)				•	•	•	
SGA175BR	SGA175BG	SGA175BO	Chrome	4.61 (117.1)	9.51 (241.6)				•	•	•	
SGA1710BR	SGA1710BG	SGA1710BO	Chrome	11.66 (296.1)	16.56 (420.6)	•	•	•	•	•	•	
SGA1711BR	SGA1711BG	SGA1711BO	Chrome	10.89 (276.6)	15.79 (401.1)				•	•	•	
SGA1712BR	SGA1712BG	SGA1712BO	Chrome	11.00 (279.6)	15.91 (404.1)				•	•	•	
SGA176BR	–	–	Industrial Finish	5.62 (142.9)	10.50 (266.7)							•
SGA177BR	–	–	Industrial Finish	5.19 (131.8)	10.09 (256.2)							•
SGCP1BR	SGCP1BG	SGCP1BO	Industrial Finish	5.15 (130.8)	10.00 (254)							•

SGA173BR Radiator Hose Pick
- Use for easy-access applications

SGA174BR Radiator Hose Pick
- Perfect for tight-access firewall applications

SGA175BR Radiator Hose Pick
- Ideal for getting behind hoses and pulling

SGA1710BR Radiator Hose Pick
- Longest pick for extra reach

SGA1711BR Radiator Hose Pick
- Length and angle are designed for tight-access and long-reach firewall applications

SGA1712BR Radiator Hose Pick
- Long pick easily maneuvers around obstacles

SGA176BR Radiator Hose Pick
- 45° pick for restricted-access applications

SGA177BR Radiator Hose Pick
- 90° pick for restricted-access applications

SGCP1BR Cotter Pin Puller
- Make short work of pulling even large pins
- Heat-treated shank provides maximum strength
- Soft grip handle: 8 1/2" long

COMPLICATED JOBS. SIMPLE SOLUTIONS.

Simply put, Snap-on innovation takes the complexity out of complex jobs. Our entire selection of shop equipment streamlines the process to make your job easier.

THE BASICS FOR THE SHOP.

Start here for the building blocks of a successful business. Air compressors, abrasive blast systems, vices, workbenches, fluid maintenance tools, paint equipment and more.

THE BASICS FOR THE TECHNICIAN.

For all the day-to-day needs: lighting, lubrication, creepers, measurement and body repair tools, just to name a few.



LIGHTING: FLASHLIGHTS

High-Output LED Flashlights

- Precision-machined aircraft aluminum
- Crush resistant 2,000+ lb
- O-ring provides ultra-tight seal
- Shock-proof and water-resistant
- Three-way tactical switch (momentary on/constant on/lockout mode)

	Stock No.	Battery Type	Number of Batteries	Effective Range (up to)	Lumens	Overall Length, inches	Run Time (hours)
	**ECF900**	AAA	1	190 ft (58 Meters)	53 (50,000 Hr LED)	2 7/8"	Approx. 1 hour 20 minutes on high. Approx. 26.0 hours on low
	**ECF900R**	AAA	1	190 ft (58 Meters)	53	2 7/8"	Approx. 1 hour 20 minutes on high. Approx. 26.0 hours on low
	**ECF925CR**	AA Alkaline	1	266 ft (81 Meters)	55	3 7/8"	Approx. 1 hour 45 minutes on high. Approx. 40 hours on low
	**ECF950BR**	123A Lithium Alkaline	2	131 ft (40 Meters)	31	—	Approx. 17 hours 30 minutes on high. Approx. 85 hours on low
	**ECF965CR**	AA Alkaline	2	443 ft (135 Meters)	150	5 7/8"	Approx. 1 hour 10 minutes on high. Approx. 60 hours on low
	**ECF975BR**	123A Lithium Alkaline	2	636 ft (194 Meters)	200	6"	Approx. 3 hours on high. Approx. 40 hours on low
	**ECF985**	3.7 volt, 2200mAh Lithium Ion Rechargeable	1	495 ft (151 Meters)	227	6 1/4"	Approx. 2 Hours 25 minutes on high. Approx. 41 hours on low
	**ECF985R**	3.7 volt, 2200mAh Lithium Ion Rechargeable	1	495 ft (151 Meters)	227	6 1/4"	Approx. 2 hours 25 minutes on high. Approx. 41 hours on low
	**ECF990R**	3.7 volt 2200mAh Lithium Ion Rechargeable	1	728 ft (222 Meters)	540	7 7/8"	Approx. 1 hour 50 minutes on high. Approx. 7 hours on medium. Approx. 50 hours on low

Penlight LED Flashlights

	Stock No.	Battery Type	Number of Batteries	Lumens	Overall Length, inches	Run Time (hours)
	**ECFPEN5B**	AAA	2	144	4 3/4	Approx. 1 hour on high. Approx. 34 hours on low
	**ECFPEN5BK**	AAA	2	144	4 3/4	Approx. 1 hour on high. Approx. 34 hours on low
	**ECFPEN5R**	AAA	2	144	4 3/4	Approx. 1 hour on high. Approx. 34 hours on low



ECFH3

ECFH1 AA/AAA Flashlight Holder
- Magnetic base offers secure hold of AA/AAA flashlights
- Ball joint permits 360° rotation and pivots 70°
- Enables light beam of flashlight to be positioned as needed

ECFH2 D-Cell Flashlight Holder
- Magnetic base offers secure hold of D cell flashlights
- Ball joint permits 360° rotation and pivots 70°
- Enables light beam of flashlight to be positioned as needed

ECFH3 C-Cell Flashlight Holder
- Magnetic base offers secure hold of C cell flashlights with width of 3/4"–1 1/8"
- Ball joint permits 360° rotation and pivots 70°
- Enables light beam of flashlight to be positioned as needed

Flashlight (Blue-Point®)

ECFPEN7HOA Rechargeable Penlight
- Bright, broad illumination covers wide area
- Seven high-output front-facing LEDs
- Spot lens on bottom of light for inspection

Applications
- Compact size fits in shirt pocket



ECFPEN7HOA

ECFB200BL Penlight, Blue
ECFB200S Penlight, Silver
- High intensity 3 W, 100 lumen penlight
- 6.25" length, 1/2" diameter
- Includes pocket clip and protective rubber tip
- Includes three AAA batteries



ECFB200BL



ECFB200S

ECFCLPSIDE Large Sideways Clip Case
- Horizontally designed, *Snap-on* branded smart phone case for large-screen smart phones (*iPhone*, *Samsung Galaxy* Series and similar)
- Made of durable ballistic nylon to protect from impacts
- Perfect for rugged work or play environments of nearly every kind
- Rugged flex clip ensures confident attachment to waistbands, belts or straps up to 2 3/16"
- Internal pocket holds credit cards, ID, currency and more for convenient access
- Features secure hook and loop lid closure
- Dimensions: 5.5" x 3" x 1.7"



ECFCLPSIDE

ECFCLPSIDEXL Extra Large Sideways Clip Case
- Same features as ECFCLPSIDE
- Dimensions: 6.4" x 3.5" x 1"

Small Storage Cases

ECFLASHOLDER Flashlight Stretch Holster
- Rugged Snap-on® branded holster for AAA, AA, L123, C & D cell flashlights – fits from 5/8"–1 1/2" diameter barrels
- Two durable elastic side panels expand to keep flashlights from AAA to D secure
- Also doubles as a useful hands-free device – angle up to see, read, work with both hands
- Open-ended design allows easy access to the flashlight's tail cap
- Durable clip rotates 360° and locks in eight different positions
- Clip fits belts up to 2 3/8" wide
- External case dimensions: 5.85" x 2.0" x 1.6"



ECFLASHOLDER

ECFCLPCARGO Tall Cargo Clip Case
- *Snap-on* branded cell phone case for wider phones absorbs shocks and shields from the elements
- Universally sized to fit large-screen smart phones (iPhone®, Samsung® Galaxy® Series and similar) with bigger displays that need extra protection
- Made of extremely durable ballistic polypropylene
- Fully rotates for access at any angle, and even locks in eight different positions
- Two pockets on the case – one inside and one in the back – hold identification, cash, credit cards, wireless headset or headphones
- Perfect for those who work and play in rugged environments, and want extreme protection for their valuable smart phones
- Features super strong rotating flex clip that is designed to fit waistbands, belts or straps up to 2 3/8" (6 cm)
- External case dimensions: 5.8" x 3.1" x 2.3"



ECFCLPCARGO

Rotating Flashlights *(Blue-Point)*

ECFLED24 Rotating Magnetic LED Work Light
- 24 high-output LEDs provide bright illumination
- Sturdy blue aluminum housing for durability
- Rotating head allows directional positioning
- Powerful magnetic base for secure mounting
- Includes three AAA batteries



ECFLED24

ECFLED48 48 LED Rotating Magnetic Work Light
- 48 high-output LEDs produce more than 2,000 lux at 24"
- Strong magnet mounts securely on any ferrous surface
- Pivoting ball joint base permits positioning at any angle
- Includes three AA alkaline batteries
- Two times as bright as the original 24 LED version



ECFLED48

ECFLEX3 3 SMD LED Flexible Base Shop Light
- Three super-efficient SMD LEDs produce 550 Lux @ 0.5 meters, 110 lumens light output
- Three AAA alkaline batteries provides three hours' run time
- 9.5" heavy duty flex arm allows for multiple positions
- Light base features six strong Neodymium-Iron-Boron Magnets
- Bottom hook and hang hole for positional flexibility
- One-year warranty



ECFLEX3

WARNING
• Do not remove or bypass the grounding prong on any electrical plug
• Read safety precautions on pages W1 to W4

LIGHTING: RECHARGEABLE SHOP LIGHTS



ECFLED84



ECFBARLED



ECFSP200A

Rechargeable Shop Lights

ECFLED84 Rechargeable Shop Light
- 84 high-output SMD LEDs produce approx. 550 lumens
- Bright spotlight on top
- Two brightness levels – 100% & 50%
- 4,400 mAh lithium ion rechargeable battery
- Includes 1A USB charger and cable

ECFBARLED Rechargeable Shop Light
- 500 lumens light output for broad illumination
- 3.7V, 4,000 mAh Li-ion battery, 5 hour charger, 3 1/2 hour runtime
- Dual position switch-100% & 50% power levels
- Top and Bottom ratcheting hooks for versatile positioning
- All key parts are user-replaceable reducing downtime on any necessary repairs
- Rechargeable features saves money on batteries

ECFSP200A High-Output Bar LED Shop Light
- 120° wide viewing angle
- High-output LED BAR
- Includes 110V charger cord and charge base
- Battery capacity 1,300 mAh
- LED life time approximately 15 years
- Continuous operation for up to three hours
- UL®/CSA® listed



ECFLED68SPBK

Cordless LED Shop Light with Spot

- 68 high-output LEDs with diffusion tube provide high light output to work surfaces
- USB charger cord and charger for multiple options recharging
- 350 lumen light output, 180° light angle coverage
- Bright spot light 60 lumens output
- Multi-position folding top hook for increased usability
- Cordless, rechargeable compact shop light – take it anywhere
- Rechargeable Lithium-Ion 3,300 mAh battery offers three hours' continuous light
- IP56 rating for water and dust resistance

ECFLED68SPB Cordless LED Shop Light w/ Spot, Blue
ECFLED68SPBK Cordless LED Shop Light w/ Spot, Black
ECFLED68SPG Cordless LED Shop Light w/ Spot, Green
ECFLED68SPO Cordless LED Shop Light w/ Spot, Orange
ECFLED68SPR Cordless LED Shop Light w/ Spot, Red



ECFBP6

High-Output Rechargeable Shop Lights

ECFBP6 High-Output Rechargeable Shop Light, Blue
- Six super-efficient SMD LEDs produce 500 Lux @ 0.5 meters, 350 lumens light output
- 2,000 mAh Lithium-Ion battery provides three hours' run time, requires four hours' charge time
- USB charger and cable included for easy charging anywhere
- Sealed against moisture and dust – IP65 rated
- Two brightness settings – 100% and 50% for longer run time
- 180° hinge for mounting flexibility
- Strong magnet in base for mounting to ferrous surfaces
- Retractable hook and stand for multiple positioning options
- Recessed front lens reduces likelihood of surface scratches

ECFBP6G High-Output Rechargeable Shop Light, Green
ECFBP6O High-Output Rechargeable Shop Light, Orange



ECFLED6HOA

Rechargeable Shop Light (Blue-Point®)

ECFLED6HOA High-Output Rechargeable Shop Light
- Six ultra-high-output SMD (surface mount diode) LEDs
- Wide-oval light pattern for broad area coverage
- Bright spot light on top for inspection applications
- Dual position switch – toggle between front light and spot light
- Dual magnets – on back of light and bottom base
- Ratcheting hinge for multi-angle use
- Includes 110V AC charger and 12V in car charger
- Serviced by Snap-on® repair centers

Rechargeable Utility Lights

- Ten SMD front-facing LEDs provide high light output to work surfaces
- USB charger cord and charger for multiple options recharging
- 90° light angle with high light output – 170 lumens
- Bright spot light – 50 lumens output
- Two brightness level design
- Slim design for use in tight places
- CSA®/UL®, BC (California Energy Commission) approved

Applications:

- Cordless, rechargeable compact shop light that you can take anywhere
- Use under hood, under car, under dash



ECFSLIMRCAG

ECFSLIMRCA Slim Rechargeable Shop Light, Red
ECFSLIMRCAB Slim Rechargeable Shop Light, Blue
ECFSLIMRCABK Slim Rechargeable Shop Light, Black
ECFSLIMRCAG Slim Rechargeable Shop Light, Green
ECFSLIMRCAO Slim Rechargeable Shop Light, Orange

Rechargeable Utility Light

ECUB128A 128 LED Under Hood Light

- Light distributed 180° to illuminate the entire engine compartment
- Diffusion tube technology eliminates shadows
- 128 high-output LEDs create 700 lumens
- Light distributed 180° to illuminate the entire engine compartment
- Cordless design prevents entanglement while providing convenience
- Rechargeable Lithium-Ion 4400 mAh battery offers three hours of continuous light
- IP56 rated for water and dust resistance
- Under-hood bracket telescopes from 47"–71" to fit most vehicles



ECUB128A

Compact Shop Light Series

ECFHKY Mini Rechargeable Shop Light

- Six ultra-high-output surface-mount LEDs with rotating head
- Precision lens provides spread for even light distribution
- USB charging cable included
- Strong magnet in base to attach to all ferrous surfaces
- Run time 3 hours on high, 5 hours at 50% brightness
- Fully charges in 4–5 hours
- 90' angle of light coverage
- 2000 mAh Lithium-Ion battery



ECFHKY

4 LED Rechargeable Folding Shop Light

ECFPKTHP4 4 LED Rechargeable Folding Shop Light

- Four surface-mount diode LEDs offer a significant increase in brightness over previous model
- 1,200 mAh battery provides up to 2 1/2 hours of run time
- 90° light angle for broad illumination of workspace
- Belt/pocket clip to keep the light handy at all times
- Magnet on bottom base enables multi-angle use



ECFPKTHP4

12 LED Compact Lights

ECFONELITE 12 LED Compact Light, Red

- 12 SMD LEDs produce 100 lumens on high, 65 lumens on medium
- Uses 3AAA alkaline batteries for 7 hours runtime on high or 12 hours on medium
- Robust rubber boot protects the light from drop hazards
- Compact enough to take anywhere
- Super-Durable Super Portable
- Strong magnet on back attaches to ferrous surfaces
- Pocket clip for added versatility
- Dual position switch – 100% and 65% power levels
- Available in red, green and orange

ECFONELITEG 12 LED Compact Light, Green
ECFONELITEO 12 LED Compact Light, Orange



ECFONELITE

⚠WARNING

- Do not remove or bypass the grounding prong on any electrical plug
- Read safety precautions on pages W1 to W4

LIGHTING: SHOP LIGHTS



ECU415BK



ECU444AKT

Single Tube

Stock No.	Lamp Style	Voltage	Bulb Type	Bulb Wattage	Bulb Length, inches	Cord Type	Cord Length, feet	Replacement Bulb	Overall Length, inches
ECU415BK	Tubular	120V AC	Single	15	17	18/2 SJTOW	25	ECU250A17	25
ECU444AKT	Tubular	120V AC	Single	15	41	18/2 SJTOW	25	ECU4443A	44 1/4

ECU415BK 15 W Fluorescent Utility Light
- Uses a single tube 15 W fluorescent bulb (ECU250A17)
- High impact material in handle and top cap for durability
- Cord length 25'

ECU444AKT Underhood Utility Light
- Fits hood widths from 47"–80"
- Uses a single 15 W fluorescent tube (ECU4443A)
- Padded hooks prevent damage to hood
- Flexible 25' cord resists oil and water



ECU325BK



ECU425ABK

Twin Tube

Stock No.	Lamp Style	Voltage	Bulb Type	Bulb Wattage	Bulb Length, inches	Cord Type	Cord Length, feet	Replacement Bulb	Overall Length, inches
ECU325BK	Tubular	120V AC	Twin	13	7	18/2 SJTOW	25	ECU325-4	13
ECU350BK	Tubular	120V AC	Twin	13	7	18/2 SJTOW	50	ECU325-4	13
ECU425ABK	Angle Head	120V AC	Twin	13	7	16/3 SJOW	25	ECU325-4	14

ECU325BK 13 W Compact Fluorescent Utility Light
- High-impact material in handle and top cap for durability
- Diffuser optimally spreads light transmission
- Metal hanging hook for flexibility

ECU350BK 13 W Compact Fluorescent Utility Light
- High impact material in handle and top cap for durability
- Diffuser optimally spreads light transmission
- Metal hanging hook for flexibility

ECU425ABK 13 W Angle Head Fluorescent
- Case and lens made from impact-resistant proprietary material
- Ratcheting metal hanging hook for better positioning
- 25' cold weather cord is flexible to -58° F, resists chemicals and abrasions
- Uses ECU325-4 rough service bulb

ECU325-4 Rough Service Bulb
- Silicon cocoons internal components in base to extend starter life
- Superior durability in harsh conditions
- Fits most twin tube 13 W lights



ECU300

Utility Light Accessories

ECU300 Magnetic Utility Light Clamp
- Expandable clamp on a magnetic base
- Can be used with many fluorescent utility lights or D cell flashlights



ECFLOOD

Flood Light

Stock No.	Lumens	Brightness	Weight	Dimensions, inches (mm)	Cable Gauge	Operating Voltage	Power Consumption	Temperature Range	Cable Length
ECFLOOD	2,500	4,000 lux @ 0.5m	4.85 lb (2,200 g)	8.78" W x 8.39" H x 3.03" D (223 mm W x 213 mm H x 77 mm D)	18AWG	Input: 110V/50–60Hz Output: 24V DC (cord volts)	35W	-4 °F–104 °F (-20 °C–40 °C)	25' (7.62m)

ECFLOOD LED Flood Light
- Powerful and uniformly bright illumination from 70 high-output SMD LEDs
- Compact, robust construction with aluminum frame protected by rubber edge work
- IP65 resistant to water and dust infiltration
- Various uses requiring extreme illumination, general repair, body shop use, under car, construction and home improvement

Extension Cords (Blue-Point®)

EC267D Extension Cord
- 25', 16/3 gauge SJTW cord stays flexible in cold weather
- Oil and water resistant

EC268D Extension Cord
- 50', 16/3 gauge SJTW cord stays flexible in cold weather
- Oil and water resistant



EC267D EC268D

Flexible Lights *(Blue-Point)*

ECF1600 Bendable Light
- 10" flexible shaft with high-intensity lamp
- Heavy duty barrel handle and switch
- Includes two AA batteries

YA5100B Bendable Light
- 15" flexible shaft with 24" extension cover for added reach
- Brilliant krypton lamp runs on two AA cells

YA5100B-1 Flashlight Switch
- Replacement switch for YA5100B

YA5100-2 Flashlight Bulb
- Replacement bulb for YA5100B



ECF1600

YA5100B

Magnifier

YA537 Pocket Magnifier
- Folding magnifier includes dual 3x lenses for combined 6x effect



YA537

⚠WARNING
- Do not remove or bypass the grounding prong on any electrical plug
- Read safety precautions on pages W1 to W4

FLUID MAINTENANCE: FLUID TRANSFER SERVICE EQUIPMENT

Fluid Evacuators and Transfer Pumps

Easily remove engine gear and transmission oil, coolant and brake fluids. Unit creates vacuum, providing a clean, fast and simple way to evacuate or dispense a wide range of fluids. 8 L auto shutoff prevents overflow. 2.3 gal (8.8 L) total capacity. Durable polyethylene construction is impervious to automotive and household chemicals.



VAC201



VAC300

VAC201 Manual Fluid Evacuator/Dispenser
- No electrical or compressed air required
- Sturdy base with exterior pump helps prevent tipping
- Complete system includes manual fluid evacuator, main hose assembly (5/16 I.D. x 54" long) plus two rigid dipstick tubes for engine oil removal (3/16 I.D. x 34" and 1/8 I.D. x 34")

VAC300 Pneumatic Fluid Evacuator
- Quiet operation results from air muffler on the Venturi® pump
- Unit can be used away from air source by creating a vacuum, closing both shutoff valves and transporting unit to the job
- Connect tubing and release valves to evacuate fluid
- Complete system includes air-operated fluid evacuator with *Venturi* and air shutoff valve on base, main pour spout connector, main hose assembly (5/16 I.D. x 58" long), brake bleeding hose assembly with in-line fluid control (1/4 I.D. x 60" long) plus two rigid dipstick tubes for engine oil removal (3/16 I.D. x 34" and 1/8 I.D. x 34")

FLUIDPUMP Fluid Transfer Pump
- Transfer/siphon all types of fluids, including coolant, oil, transmission fluid and water
- Use to inflate sports balls, bicycle tires, flotation devices and more
- Durable, non-corrosive polyethylene
- Includes pump, two 4' lengths of fluid hose, two intake/discharge hose connectors, air pressure hose, dipstick tube and dipstick/fluid hose adaptor

TECHNICAL SUPPORT 1-877-776-8486



FLUIDPUMP

Fuel System Maintenance



EEFS505012



EEFS106AC2

EEFS505012 Fuel System Cleaning Fluid (Blue-Point®)
(12) 17 oz cans of fuel system cleaning fluid for Fuel System Decarbonizer EEFS505A.

EEFS106AC2 Diesel Engine Detergent
- Professional detergent for cleaning diesel engines
- Four 32 oz bottles
- Use to remove contaminants in engines and fuel systems
- Includes six units of three-step cleaner
- Each unit includes one bottle of air intake cleaner, one bottle of combustion chamber cleaner and one bottle of fuel conditioner
- Use with EEFS103 series of diesel tune decarbonizing equipment

EEFS308A5 Filter Pack
Replacement filter pack for EEFS305A FuelKare™ Fuel Service System.

AEC061004011 Fuel System Cleaning Solution
Four 1 L bottles of fuel system cleaning solution for the EEFS305A *FuelKare* Fuel Service System.



A106



S3624



A127



OFSKIT

Filter Sockets

A106 Oil Filter Socket

- Low-profile (1.68 O.D. x 1.04" long) 6-point design to remove the plastic oil filter on GM® Ecotec®, 2.0 L, 2.2 L and 2.4 L, 4 cylinder engines
- Features the Flank Drive® wrenching system
- Chrome finish for longer life and easy cleanup
- Wrench size: 1 1/4" (32 mm); 3/8" square drive

Applications: Saturn®: L-Series (2001), ION® and Vue (2002 and later), *GM*: Cavalier, Sunfire®, Grand Am®, Sonoma, S10, Alero, (2002 and later), Pontiac®: G6 and Solstice® (2006), Chevrolet®: HHR, Cobalt, Cobalt SS (2006), Malibu® (2002–2006), Saab®, some general applications

S3624 Filter Flip Socket

- One tool will remove/install all three filter caps on Ford® 6.0 L Power Stroke® diesel powered vehicles such as Super Duty Series Pickups, Econoline® Vans and Excursions®
- Use for removal and installation of the oil filter cap plus primary and secondary fuel filter caps on these vehicles
- Not impact use
- Requires optional 3/8" drive extension (FX1 or FXWP1 1 1/2" long). Additional 24 mm Applications
- Buick® vehicles: VVT-V6 Rendezvous Ultra, LaCrosse CSX
- Cadillac® vehicles: VVT-V6 CTS, STS, SRX
- *Saturn* vehicles: L-3000 V6. Additional 35/36 mm

Applications/Specifications

- Audi®/Volkswagen®: VR6 engine
- BMW®: 6, 8 and 12 cylinder engines
- Mercedes-Benz®: diesel engines
- Mini-Cooper® engines or vehicles
- Volvo®: 40 and 50 series, XC90 with 3.2 L 6 cylinder engine S3624 Specifications
- Square Drive Size: 3/8"
- Wrench Sizes: 24 mm and36 mm
- Wrenching Configuration: *Flank Drive*
- OD Major: 1.80" (45.7 mm)
- OD Minor: 1.38" (34.9 mm)
- Length: 1.73" (43.9 mm)
- Finish: Nickel/Chrome

A127 Oil Filter Socket

- Remove and install 27 mm (1 1/16") oil filters on 2003 and later *Mercedes* 1.8 L 4 cylinder engines
- Additional applications: aftermarket oil filters with 1" nut at the top of canister
- 1 1/16" wrench size, 3/8" drive

OFSKIT Oil/Fuel Filter Socket Set

- Includes: A127 and A106 oil filter sockets, S3624 filter flip socket and A129 fuel filter socket for Cummins® Diesel (4pc) in storage tray



S9615A

Pan Plug Wrench

S9615A 12-Point Fractional/Metric Box Wrench

- 9/16" and 15 mm 12-point box ends fit most popular *GM* drain plugs
- 10° offset at each end for maximum clearance
- Both box ends feature *Flank Drive* wrenching system
- 9 23/32" long

Oil Filter Crusher (Blue-Point®)

CRUSH1A Oil Filter Crusher

- Removes approximately 95% of excess oil from spent filters
- Features self-lubricating seal
- 10,000 lb of crushing force with simple hookup to 60–120 PSI air line
- 10–15 second time cycle
- Pivoting door prevents oil from dripping into work area when loading or unloading filters
- Won't operate when door is open
- Crushing chamber is 8 1/2" H x 6" square
- Height 23"; Weight 70 lb

CRUSH1EX100 Air Filter



CRUSH1A

⚠WARNING

- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

LUBRICATION: OIL FILTER


YA4050B


YA4275


YA4250


YA4274A


YA4022

Oil Filter Pliers

YA4050B Oil Filter Pliers (Blue-Point®)
- Grips oil filters for easier removal
- Jaws are offset 20° from handle to increase accessibility
- Jaw opening range of 2 1/4"–4"
- 12" long

YA4275 Oil Filter Pliers *(Blue-Point)*
- Use on filters from 4 1/4"–7" (108 mm–178 mm) diameter
- Spring action size adjustment assures a solid grip on filter
- Offset handle offers increased accessibility
- Heavy duty forged levers
- Cushioned grips for comfort
- Industrial black finish
- Overall length 19"

Applications: Include truck, tractor and high torque diesel engines

YA4250 Oil Filter Pliers *(Blue-Point)*
- Slip joint design provides jaw opening range of 3 5/8"–6"
- 12" long

YA4274A Oil Filter Pliers *(Blue-Point)*
- Use on filters from 2 1/2"–5 1/4" diameter
- Offset handle offers increased accessibility
- Heavy duty forged levers
- Cushioned grips for comfort
- Industrial black finish
- Overall length 13 1/2"

YA4022 Long Reach Oil Filter Pliers *(Blue-Point)*
- Removes stubborn and overtightened oil, fuel and hydraulic filters plus fuel sending units and more
- Easy to maneuver around hot exhaust manifolds
- 23" long with tremendous holding power
- 32 teeth jaws adjust to two sizes for optimum grip


YA995


A91E


YA342C


OFW12418


GA333C


FWA6296A


FW656714A

Oil Filter Wrenches

Stock No.	Size	Steps	Flats	Style	Sq. Dr., inches	Application
YA995*	3"	2	15	Cup	3/8	Fram®, AC®, Wicks®, NAPA®, Sears®, Motorcraft®, Hastings® and Baldwin® filters. Has 1" external hex.
YA996*	76/80 mm	2	14/15	Cup	3/8	OEM® and Purolator® filters on VW®, Nissan®, and Toyota®. Has 1" external hex.
A91E	—	—	—	Strap	—	Large diameter oil filters 1"–6". Includes both 3/8" and 1/2" square drives.
YA342C*	—	—	—	Band	1/2	For 4 5/8"–5 1/4" diameter filters
OFW12418*	—	—	—	Band	1/2	4 1/8"–4 21/32" (105 mm–118 mm) oil filters
OFW125532*	—	—	—	Band	1/2	5 5/32"–5 21/32" (130 mm–143 mm) oil filters. Similar to OFW12418.
GA333C*	—	—	—	Band	Handles	2 7/8"–3 1/4" diameter oil filters
GA340A*	—	—	—	Band	Handles	3 1/2"–3 7/8" diameter oil filters. Similar to GA333C above.
YA341A*	—	—	—	Band	Handles	4 1/8"–4 7/16" diameter oil filters. Similar to GA333C above.
FWA6296A*	62/96 mm	—	—	Adjustable	3/8	Adjustable filter wrench for 62 mm–96 mm diameter oil filters. 3/8" square drive, 3/4" external hex.
FWA62121A*	62/121 mm	—	—	Adjustable	3/8	Adjustable filter wrench for 62 mm–121 mm diameter oil filters. 3/8" square drive, 3/4" external hex.
FW656714A*	65/67 mm	2	14	Cup	3/8	*Fram*-PH4386, PH4967, PH6017, PH6018 and PH6607
FW7614A*	76 mm	1	14	Cup	3/8	Champion®, Champ®, Lee®, *Purolator*, Mopar®, *VW*, Porsche®, BMW®, Mercedes®
FW9315A*	93 mm	1	15	Cup	3/8	Casite®, *Champ*, *Champion*, GM®, *Fram*, *Hastings*, *Purolator*, Wix®, *Nissan*, *VW*, *Porsche*, Renault®
FW757715A*	75/77 mm	2	15	Cup	3/8	*NAPA*, *AC* Delco®, Castrol®, STP®, Penske®
FW7630A*	76 mm	1	30	Cup	3/8	*Fram*, IAPCO®, *Motorcraft*, Parts Plus®, Pennzoil®
FW8015*	80 mm	1	15	Cup	3/8	*Motorcraft*, *Parts Plus*, Penske®, *Purolator*

**Blue-Point*

OFTOY468 Oil Filter Wrench
- Oil filter wrench for cartridge type filters found on Toyota®, Lexus® and Scion® vehicles
- Manufactured from heavy duty chrome vanadium material
- Will withstand loads required to remove over tightened or frozen oil filter covers
- 1/2" square drive and 24 mm (15/16") hex
- 65 mm across flat
- Manufactured from heavy duty chrome vanadium materia



OFTOY468

OFWTOY3KTA Toyota Oil Filter Wrench Kit (3pc)
- Deliver maximum torque for easy removal of To*yota o*il filter canisters
- Engages filter housing at multiple contact points
- Engages end flutes and housing exterior
- Drain hose assembly included to aid in the oil draining process on those models equipped with a drain on the filter cap
- One wrench for 4 cylinder vehicles and one for the 6 and 8 cylinder models



OFWTOY3KTA

F**WK7A Oil Filter Wrench Set (Blue-Point®)**
- Wrenches in set cover 95% of US and import automobile and light truck oil filters
- Storage/carrying case keeps wrenches together for quick access
- Includes laminated application chart
- FWK7A set includes FW656714A, FW757715A, FW7614A, FW7630A, FW8015, FW9315A and FWA62121A oil filter wrenches



FWK7A

Swivel Oil Filter Wrenches *(Blue-Point)*

OFW1 Oil Filter Wrench
- Fits small oil and fuel filters 2 3/8"–2 5/8"

OFW2 Oil Filter Wrench
- Fits smaller filter size on many US and imported vehicles 2 7/8"–3 1/4"

OFW3 Oil Filter Wrench
- Fits most popular 3.625" filters 3 1/2"–3 7/8"

OFW4 Oil Filter Wrench
- Fits most tractors and other farm implement equipment 4 1/8"–4 1/2"

OFW4KT Oil Filter Wrench Set
- Set includes OFW1, OFW2, OFW3 and OFW4 Swivel Oil Filter Wrenches



OFW4KT

LUBRICATION: GREASE AND OIL


OFTOY38


OFA38


OFHON33


OFA33


OFGMFORD


OFA35


OFHARLEY


OFHD

Funnels/Spouts

OFTOY38 Oil Filler for Toyota®/ Lexus®/Scion®
- Fits all *Toyota, Lexus* and *Scion* models (except *Toyota* Prius®) with threaded oil filler cap
- Prevents unwanted mess by sealing onto filler neck

OFA38 Oil Funnel Adaptor for OFTOY38
- Two-piece adaptor set for select *Prius* and Yaris® vehicles
- Custom fit to the valve cover filler neck
- Made of durable plastic

OFHON33 Threaded Oil Filler
- Prevents unwanted mess by sealing onto filler neck

Applications:
Honda® (Accord®, Civic®, Element®, Fit, S2000) vehicles; Acura® (All models except MDX and RDX); Nissan® (most models); Dodge® Cummins® Turbo Diesels from 2001–2008; Ford® Turbo Diesel trucks (9.0 L, 6.4 L, 6.9 L and 7.3 L)

OFA33 OFA33 Oil Funnel Adaptor for OFHON33
- Two-piece adaptor set for select *Honda* vehicles
- For the following Acura® vehicle: MDX
- For the following *Honda* vehicles: Pilot®, Ridgeline®, Odyssey®
- Made of durable plastic
- Custom fit to the valve cover filler neck

OFGMFORD Threaded Oil Filler

Applications: Chevy®: Cobalt, Silverado®, Tahoe®, Trailblazer® and Vans; GMC®: Sierra, Envoy®; Pontiac®: Grand Prix®, G6®; Saturn®: SL1; Cadillac®: CTS; Ford®: Explorer®, F150®, Mustang®; Mercury®: Mountaineer®. Prevents unwanted mess by sealing onto filler neck.

OFA35 Oil Funnel Adaptor for OFTOY38
- Made of durable plastic
- Custom fit to the valve cover filler neck
- Two-Piece Set: OFA35-1 short adaptor with male threads OFA35-2 elbow adaptor

Applications:
2013–2014 *GMC* Sierra and *Silverado* vehicles

OFHARLEY Motorcycles Oil Filler for Harley-Davidson®
- Prevents any unwanted mess; fastens and seals onto filler neck
- ABS plastic
- Smooth surface so not to scratch painted surface
- For *Harley Davidson* Touring bikes and Dyna series motorcycles 2007–present
- Additional Kia® Applications: Forte (2013–current), Rio (2013–current), Soul (2013–current), Sorento® (2011–current), *Sorento* (2011–current), Sportage® (2014)

OFHD Motorcycles Oil Filler for *Harley-Davidson*
- Allows access to the fuel filter and pump as the lock ring is connected to the pump
- Oil filler for 1999–2006 *Harley-Davidson* Touring Motorcycles with the “Push in Style” oil caps
- Prevents any unwanted mess; fastens and seals onto filler neck
- ABS plastic
- Smooth surface will not scratch painted surface



OFKIT

OFKIT Master Oil Funnel Kit
- Made of durable ABS plastic
- No need to hold funnel while pouring in oil
- Fastens and seals to filler neck to prevent spills
- Kit includes a 45° angled extension to avoid obstructions
- Funnel and five adaptors fit hundreds of vehicles including Acura®, Ford®, GM®, Honda®, Hyundai®, Jaguar®, Land Rover®, Lexus®, Mazda®, Nissan® and Toyota®



FUNN1



FUNN15



FUNN2



GA96B

Funnels/Spouts cont.

Stock No.	Size	Neck Style	Screw Caps	Color
FUNN1*	1 pint	Small	•	Orange
FUNN15*	1.5 qt	Large	•	Red
FUNN2*	1.25 qt	Large	•	Blue

*Blue-Point®

GA96B Transmission Filler *(Blue-Point)*
8 1/2" oval funnel with filter screen. 30" long.



YA734A



YA728A



YA4190A



GA471



GA472



GA473A

Manual Grease Guns

Stock No.	Specification	PSI	Loading	Capacity	Flexible Hose	Rigid Extension	Nozzle
YA734A*	Pistol Grip	6,000	Bulk or Cartridge	16 oz Bulk and 14 1/2 oz Cartridge	18"	6"	—
YA728A*	Lever	6,000	Bulk or Cartridge	16 oz Bulk and 14 1/2 oz Cartridge	18"	6"	—
YA4190A*	Mini	—	Cartridge	3 oz	—	—	—
GA471*	Pistol Grip	4,500	Bulk, Cartridge or Filler Pump	3 oz	—	5 1/2"	8 1/4"
GA472*	Pistol Grip	5,000	Bulk, Cartridge or Filler Pump	14 oz	—	3 1/2"	13 1/4"
GA473A*	Lever	10,000	Bulk, Cartridge or Filler Pump	14 oz	—	5 3/8"	19 1/4"

*Blue-Point



YA775



YA771B



YA772B

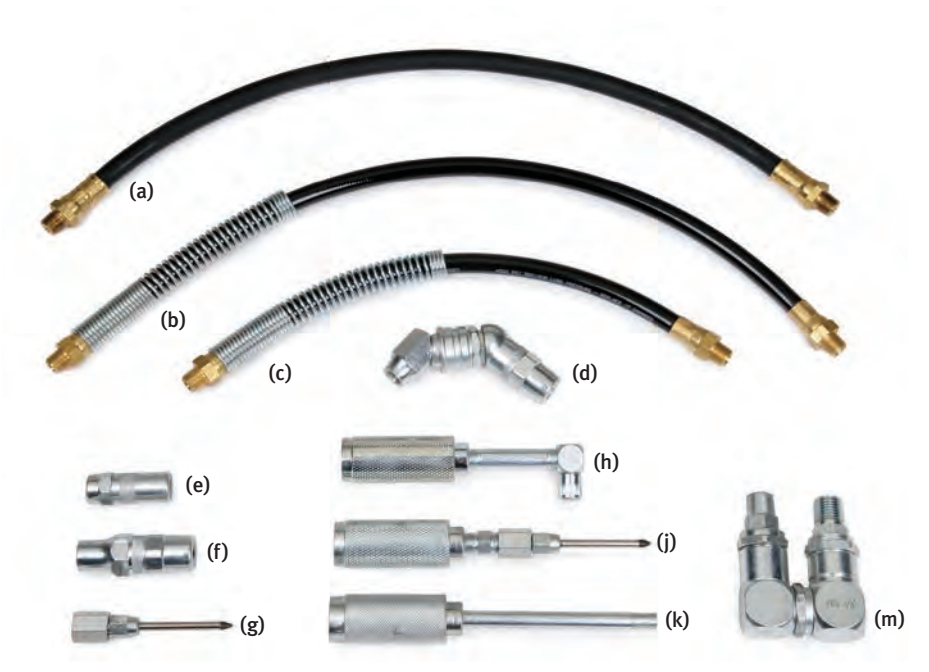
Air Powered Grease Guns

Stock No.	PSI	Air Operating PSI	Pump Ratio	Loading	Capacity	Flexible Hose	Rigid Extension	Nozzle
YA775	6,000	100	60:1	Bulk, Cartridge or Filler Pump	14 oz Cartridge	—	7 1/2"	—
YA771B*	6,000	35–80	40:1	Bulk, Cartridge or Filler Pump	14 oz Cartridge	18"	6"	—
YA772B*	4,000	40–100	40:1	Bulk, Cartridge or Filler Pump	14 oz Cartridge	18"	6"	—

*Blue-Point

WARNING • Read safety precautions on pages W1 to W4

LUBRICATION: GREASE AND OIL



YA7500



YA747



YA801

Dispensing Accessories (Blue-Point®)

YA7500 Grease Dispensing Accessory Pack
- Includes YA760–YA750 in a storage tray

(a) YA758 Flex Whip Hose
- For hand-operated grease guns only, 18" long

(b) YA752 Flex Whip Hose
- 18" long version of YA751

(c) YA751 Flex Whip Hose
- For powered and hand operated grease guns
- 4,500 maximum PSI, 12" long

(d) YA754 Swivel Coupler
- Swivels 360°, locks in position every 45°

(e) YA755 Coupler
- Fits all hydraulic type grease fittings

(f) YA753 Heavy Duty Coupler
- Fits all hydraulic type grease fittings

(g) YA750 Needle Nozzle
- 2 3/4" long

(h) YA757 Angle Lube Adaptor
- 4 1/2" long with 90° head allows fast and complete lubrication of steering and suspension systems on late model FWD vehicles

(j) YA761 Needle Nozzle Coupler
- This is the YA750 with a locking sleeve adaptor for quick attachment to a hydraulic coupler

(k) YA756 Extension Coupler
- Lubricates recessed fittings, 6" long
- Locking sleeve adaptor allows quick attachment to hydraulic coupler of any control valve or lever gun

(m) YA760 Universal Swivel
- High pressure swivel, 5,000 maximum PSI
- 1/2"-27 male x 1/4" NPT(m) threads

YA747 Grease Control Valve
- 1/4" NPT(f) inlet, 7,500 maximum PSI
- Includes 6" extension tube and YA753 coupler

YA801 Needle Type Adaptor
- 4 7/8" long adaptor for universal joint fittings, water pumps and metal covered springs

GA472-2 Grease Fitting Coupler
- Push-on design with neoprene nipple and ball
- Features spring check valve

GA472-9 Flexible Polybraid Hose
- Oil, grease and solvent resistant with brass end fittings

Grease Fitting Cleaner

UFREE1 Grease Fitting Cleaning Tool
- Quickly and easily frees up joints and fittings for proper greasing and lubrication
- Inject light viscosity oil into the grease joint via the grease fitting to break up and remove dirt, rust and debris
- Pump in new grease after freeing the joint
- Includes injection cleaning tool, 4 3/4" long flexible hose to access tight places and storage case



UFREE1

Oil Spray and Suction Guns

YA746 Oil Spray Gun
- Siphon type spray gun for spraying lubricating oils, cutting oils and cooling oils
- Includes 6' vinyl suction hose with strainer

YA745A Oil Spray Gun (Blue-Point®)
- 16 oz capacity
- Fast, clean method for removing or adding transmission and gear oil
- Special follower is impervious to oil, grease and water



YA746



YA745A

Bearing Packers

A180A Manual Bearing Packer
- Simultaneously pressure packs inner and outer wheel bearings 3/4" minimum ID and 4" maximum O.D.
- Use with pressurized lube equipment or hand grease gun
- Includes dust cover

YA470C Manual Bearing Packer *(Blue-Point)*
- Packs 50–65 bearings with one grease filling
- Apply manual pressure to flush and pack bearing with grease
- Includes dust cover
- 4 1/2" high

YA742 Manual Bearing Packer
- Unit features large packer head
- Handles bearings to 9 1/2" O.D. and minimum 9/16" I.D.
- Includes adaptor to service smaller bearings of 1–1 3/4" O.D.



A180A



YA470C



YA742

⚠WARNING • Read safety precautions on pages W1 to W4

LUBRICATION: GREASE AND OIL


YA739


YA737


YA738


YA736

Grease and Gear Oil Pumps/Manual

YA739 Manual Gear Oil Pump
- Fits any 25 lb–50 lb original refinery container
- Delivers 1 oz per stroke using SAE 90 gear oil at 70 °F
- Includes 5' of 1/2" low-pressure hose with dispensing nozzle

YA737 Manual Operating Grease Pump
- Clamps securely to any 25 lb–50 lb original refinery container
- Handles any ball or roller bearing with 5/8"–1 1/2" I.D. and 3 1/4" maximum O.D.
- Primes and pumps even when using heavy grease at low temperatures
- Follower plate prevents funneling of grease

YA738 Manual Gear Oil Pump
- Fits any 120 lb original refinery container
- Powerful 50:1 ratio pump with 20 cu-in displacement
- Includes rollaround base, straight swivel, 7' of 1/4" high-pressure hose, quick connect air coupler, follower plate, YA747 grease control valve and YA760 universal swivel

Grease Pumps/Air

YA736 Air Powered Grease Pump
- Fits any 20 lb–50 lb original refinery container
- Powerful 50:1 ratio pump utilizes 20 cu-in displacement
- Includes: 6' of 1/4" high-pressure hose, quick connect air coupler, follower plate, YA747 grease control valve and YA760 universal swivel


YA759

YA759 Air Powered Grease Pump
- 50:1 ratio pump
- Uses 120 lb container size and handles all grades of lubricant
- Features internal muffler for quiet operation and a prelubricated air motor requiring no external oiler
- Exclusive microlapped hardened steel air valve and seat to assure a long and productive service life, no packings to wear out
- Shovel-type foot valve adds mechanical priming to normal suction
- Casters offer unit mobility
- Does not include barrel


YA762

Dollies

YA762 Band Dolly
- Provides mobility for 25 lb–50 lb original refinery containers
- Includes jam swivel casters and screw clamp for secure adjustment



PBT5X29

Transmission Table

PBT5X29 Transmission Table (Shown with Optional Drawer)
- 5' long

PBT2120 Drawer
- Optional drawer
- 20" x 20" x 5"


YA743

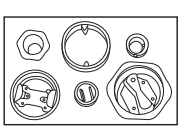

YA749

Drains

YA743 Waste Oil Drain
- Fits standard 16 gal drum
- Includes: float gauge in drum cover, telescopic drain bowl adjustable from 42 3/4"–70" and roll around base (drum not included)

YA749 Drain
- 24 1/2" diameter
- Fits 6" or larger drain bowls
- Prevents spillage when removing transmission pans


A172A



Drum Plug

A172A Drum Plug Socket
- One socket removes virtually all screw-in drum plugs or caps
- Spring-loaded inner wrench handles smaller plugs and recesses automatically when removing large plugs
- Use with a 1/2" drive ratchet or impact wrench

Oilers (Blue-Point®)

OC5A Oiler
- 5 1/2" small pressure oiler has a long, tapered spout with a screw on tip
- 1 7/8" O.D.
- Includes base holder

OCF5 Oiler
- Similar to OC5A Oiler with a flexible spout


OC5A


OCF5

Engine Calibration and Setup Kit *(Blue-Point)*

YA871 Whistle Alert (Flexible)
- Insert Whistle Alert into any 14 mm spark plug hole, turn the engine over and listen for the whistle to locate top dead center for the compression stroke

YA870 Whistle Alert (Rigid)
- Same as YA871 except it can also be used with YA866 compression gauge extension

YA8661 Spark Plug Hole Adaptor
- Adapts the 14 mm thread on YA866/YAL866 TDC Indicators, YA868 compression gauge extension and YA865 engine lock to accommodate 18 mm spark plug threads

YA8662 Spark Plug Hole Adaptor
- Adapts the 14 mm thread on YA866/YAL866 TDC Indicators and YA868 compression gauge extension to accommodate 12 mm spark plug threads


YA8661


YA8662


YA9680


YA1150


ML6000


CC100


YA9730


ML6000COMBO

Timing

YA9680 Camshaft Pulley Tool *(Blue-Point)*
- Designed to hold the camshaft pulley in place while turning the center shaft bolt
- Extremely useful on transverse mounted V6 engines such as Nissan® Maxima®/VG30 engine and Toyota® Camry®/3VXFE and 1MZFE engine
- Rear pulleys on these vehicles are located in close proximity to the shock tower making it difficult to remove/replace the center shaft without this tool

YA1150 Small-Pin Cam Gear Holder *(Blue-Point)*
- Small diameter (10 mm) grooved pins fit snugly into the small holes in the cam gear.
- Long handle with cushioned grip provides excellent leverage so the cam gear bolt can be tightened or loosened
- This tool is a companion to YA9680, which has larger diameter pins for cam gears with larger holes

YA9730 Timing Belt Tensioner Compressor *(Blue-Point)*
- For 1995 and later T-100, Tacoma® and 4Runner®
- Turn square compress tensioner, then install locking pin (YA9730-5 included with YA9730)

ML6000 Cam Lock Tool/Timing Gear Clamp *(Blue-Point)*
- Prevent engine damage resulting from incorrect timing
- Maintain valve timing during belt replacement on twin and quad cam engines
- Compact design allows access in transverse engines
- Fits timing gear diameters from approximately 4"–6" (101 mm–152 mm)
- Fits gear spacing approximately 0.06"–3" (1.6 mm–76 mm)

CC100 Single Cam Clamp *(Blue-Point)*
- Single cam clamp can be used on engines where the dual clamp ML6000 will not fit
- Compact design permits easy operation in confined engine areas
- Prevent engine damage resulting from incorrect timing
- Maintain valve timing during belt replacement on twin and quad cam engines
- Simple and easy to use
- Manufactured from high-strength industrial polymers which will not corrode or damage engine pulleys

ML6000COMBO Cam Clamp Set *(Blue-Point)*
- Includes four CC100 single cam clamps and one ML6000 dual cam clamp in storage tray

WARNING • Read safety precautions on pages W1 to W4

ENGINE SERVICE: SERVICE TOOLS



CGH1236



YA4660



MCH1280



ML5000



TGH15



TSK5KT

Timing

CGH1236 Cam-Gear Holder
- Tool holds the hex at gear hub making removal and tightening of cam gear bolt easy and accurate
- Hole at center of the tool allows a socket to be inserted through the tool for removal and replacement of the cam gear bolt
- Fits a large number of vehicles, 18 different models from 1995–2011

YA4660 Camshaft Sprocket Holding Tool (Blue-Point®)
- Pivoting design allows fit in most cam and injection pump gear sizes
- Detent grooves on holding pins gives user a sure hold
- Use as a counter holder when loosening or tightening sprocket retainer bolts

MCH1280 Cam Holder for Mercedes® Vehicles
- This tool ensures that the cam does not move, enabling the tech to complete the job without any worry of needing to re-time the motor
- Unique tool designed to lock the left intake cam in place while servicing the cam chain drive system
- Lock placed in rear intake cam and bolted to cylinder head locking the cam keeping it from rotating – reduces chance of mistake in the cam timing
- Keeps related components in time with each other, eliminating need for additional man hours to hold cam in place

Applications
- Used on 272 and 273 Series *Mercedes Benz* engines

ML5000 DOHC Lock Tool *(Blue-Point)*
- Locks cam shaft sprockets in place to preserve engine timing during belt or chain replacement
- Knurled pins on unit lock on to the groove on the inside of the cam wheel
- Unit base is constructed from anodized aluminum
- Pins are steel
- Works with most import and US cars and light trucks

TGH15 Timing Gear Holding Tool *(Blue-Point)*
- Securely holds timing gear during removal and installation

TSK5KT Timing Service Kit *(Blue-Point)*
- Complete kit for timing belt replacement and service
- Securely holds timing gear during removal and installation
- Allows rotation of cam gear to align valve timing marks
- Single-lever locking design is easy to use
- Slimline design allows maximum access
- Kit includes TGH15 Timing Gear Holding Tool and CC100PK Single Cam Clamp Set



A121A



A119B



A120



S6152



YA6555



EEPV507

A121A Oil Pressure Sender Switch Socket
- For 1987 and later Ford®, GM® and Chrysler® vehicles
- 1 3/16", 12-point wrench size, 3/8" drive
- 3 11/16" long

A119B Oil Pressure Sender Switch Socket
- For 1986 and earlier *Ford*, *GM* and *Chrysler* vehicles
- 1 1/16" special wrench configuration, 3/8" drive
- 2 1/16" long

A120 Oil Pressure Sender Switch Socket
- For 1987 and later *Ford*, *GM* and *Chrysler* vehicles
- Can also be used for 1999 Mitsubishi® Eclipse® with the 2 L DOC non-turbo 420A engine
- Same design as A119B but longer
- 1 1/16" special wrench configuration, 3/8" drive
- 3 11/16" long

S6152 Oil Pressure Sender Switch Crowfoot Wrench
- Same applications as A119B but designed for switches with difficult access
- 1 1/16" wrench opening, 3/8" drive

YA6555 Oil Pump Removal Tool for *GM* Vehicles (Blue-Point®)
- Designed to work on most *GM* V6 engines
- No need to remove the intake manifold
- Makes removal of the oil pump drive fast and easy

Applications: *GM* 2.8 L V6 (1987–1989), 3.1 L V6 (1990–1994), 3100 V6 (1994–2005), 3.4 L V6 (1999 and later)

Oil Pressure

EEPV507 Oil Pressure Gauge Set
- Use on diesel and gasoline engines
- Includes standard and metric adaptors for most US and import cars, trucks, tractors and stationary engines
- Includes: 0–100 PSI (0–700 kPa) gauge assembly

Part Number	Description
EEPV5F-1	2" Pipe Nipple
EEPV5F-2	1/4" M x 1/8" F Hex Bushing
EEPV5F-3	3/8" M x 1/8" F Hex Bushing
EEPV5F-4	1/8" FNPT Coupling
EEPV5F-5	1/8" M x 1/8" F Street Elbow
EEPV5F-6	1/8"-28 BSPT
EEPV5F-7	M10 x 1.0 Tapered Thread
EEPV5F-8	M10 x 1.0 Adaptor
EEPV5F-9	M10 x 1.25 Adaptor
EEPV5F-10	M12 x 1.5 Adaptor
EEPV5F-11	M12 x 1.75 Adaptor
EEPV5F-12	M14 x 1.5 Adaptor
EEPV5F-13	M16 x 1.5 Adaptor
EEPV5F-14	M18 x 1.5 Adaptor
EEPV5F-15	5/16"-24 Adaptor
EEPV5F-16	7/16"-20 Adaptor
EEPV5F-0	Male Quick Connect Plug
EEPV5-100G	Pressure Gauge and Boot Assembly (100 PSI)
EEPV5-BOOT1	Gauge Boot
EEPV507-H	Hose Assembly
EEPV507-PB	Plastic Box

Drain Plugs

PMP410A Internal Metric Pipe Plug Socket
- 10 mm female square
- For removing or replacing standard transmission drain plug
- 3/8" drive, 3/4" O.D., 1" long
- Female pipe plug socket (for Renault® LeCar)

PMM410A External Pipe Plug Socket
- 10 mm male square
- For removing or replacing oil pan plug
- 3/8" drive, 11/16" O.D., 1" long

S5902 Oil/Transmission Plug Wrench
- Box ends are 17 mm, 6-point and 21 mm, 12-point
- Designed for VW® transmission drain plugs
- 258 mm long



PMP410A



PMM410A



S5902

⚠WARNING
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

ENGINE SERVICE: SERVICE TOOLS


GDCT16


S6132A


S6160


S6194


S6214


YA6611


FRT12

Cylinder Head

GDCT16 Combustion Leak Tester
- Provides an easy and quick way to diagnose engine overheating problems
- Checks for leaks between the combustion chamber and the cooling system
- Test head and gasket for combustion leaks before removing the radiator
- Double chamber in testing unit provides a high level of accuracy
- For use on water-cooled gas and diesel engines
- Kit includes complete test chamber, 16 oz bottle of testing fluid and instructions

GDCT161 Leak Detector Fluid (Blue-Point®)
- 16 oz bottle of leak testing fluid for the GDCT16 combustion leak tester

S6132A Metric Valve Cover Bolt Socket
- For GM® vehicles, 1976 and later Honda® vehicles and other import and US vehicles
- 10 mm, 12-point wrench size
- Allows access to head bolts, valve and rocker covers and oil pan bolts
- Deep clearance for bolts with extended tip as used on spark plug wire harness
- 3/8" drive; 11/16" O.D.
- 4 1/8" long

S6160 Extra Long Head Bolt Socket
- Use on 1986 and later Nissan® engines with 12 mm head bolts
- 8" length reaches past cam and rocker assembly to service head bolts
- Thin-profile socket and shank will reach through access hole and past overhead camshaft
- Additional high torque applications include removal and installation of universal joint flange bolts on Ford®/Mercury® cars such as Mustang®, Crown Victoria® and Lincoln®, plus *Ford* Explorer®, Ranger® and F150®/F250® trucks
- 12-point, industrial finish, 1/2" sq. drive

S6194 Head Bolt Socket
- Use on Toyota® and *Nissan* cars and trucks and *Honda* cars with 12 mm head bolts
- 4 1/8" length reaches past cam and rocker assembly to service head bolts
- Thin-profile socket and shank reach through the access hole and past overhead camshaft
- Additional high torque applications include removal and installation of universal joint flange bolts on *Ford Explorer*, *Ranger* and *F150/F250* trucks
- 12-point, industrial finish, 1/2" sq. drive

S6193 Head Bolt Socket
- Use on all 1981 and later *Toyota* and *Nissan* cars and pickups and 1976 and later *Honda* vehicles and other import and US cars with 10 mm head bolts
- Additional uses include drive shaft universal joint attaching bolts for *Ford* vehicles
- 4 1/2" length reaches past cam and rocker assembly to service head bolts
- Thin-profile socket and shank will reach through the access hole and past overhead camshaft
- 12-point, industrial finish, 1/2" drive

S6195 Head Bolt Socket
- Same as S6193 except for 14 mm head bolts

S6214 Head Bolt Socket
- Remove and install headbolts on 1995 and later Subaru® vehicles
- Length of socket allows the removal and installation of headbolts with engine in the car
- 54.1 mm length. 14 mm size. 1/2" drive. 12-point

YA6611 Head Handler *(Blue-Point)*
- Convenient and balanced T-handle design helps move cylinder heads faster and easier
- No need to "bear hug" the cylinder head during movement
- Attached floating washer for increased surface contact
- Comfortable, secure gripping surfaces for hands
- M6 x 1.0 threads
- Package of two

YA6612 Head Handler *(Blue-Point)*
- Same as YA6611 except has 1/4" x 20 threads
- Package of two

YA6613 Head Handler *(Blue-Point)*
- Same as YA6611 except has M8 x 1.25 threads
- Package of two

FRT12 Three-Valve Insert Kit for *Ford* Vehicles *(Blue-Point)*
- Repair cylinders without removing the head
- Custom guide, tap and drill for quick and simple repair of damaged threads
- Unique insert installer makes the job quick and easy
- Works on three-valve 5.4 L and 6.8 L engines built before 10/9/2007
- Also works on three-valve 4.6 L engines built before 11/30/2007 found on many 2004–2008 *Ford*, *Lincoln* and *Mercury* vehicles
- Set includes Tap, Core Drill, Guide, Insert Installer, Insert and Storage Case



S6192A



CJ147A



ADT30KT



CJ113B



CJ117C



YA1350

Power Steering/Alternator/Water Pump

S6192A Water Pump Socket
- 1/2" square drive socket features dovetail design to deliver positive engagement when applying high torque
- Black industrial finish

Applications: 1992–1998 Cadillac® Northstar® 4.6 L V8; 1997–1998 Oldsmobile® Aurora 4.0 L

S6192A-1 Water Pump Socket Stabilizing Strap
- Bolts on water pump to secure S6192A water pump socket in place during water pump removal and replacement
- Includes two M6 x 12 bolts for securing strap to water pump
- Black industrial finish

Applications: 1992–1998 *Cadillac Northstar* 4.6 L V8; 1997–1998 *Oldsmobile* Aurora 4.0 L

CJ113B Power Steering/Alternator Pulley Installer
Designed for US vehicles. 1" pulley driver hex, 7/16" pressure screw hex, thread size of 5/8"-18UNF-2A (puller end), 3/8" 16UNC-2A (shaft end). 4 5/8" long.

CJ113C4 Pulley Installer Shaft
- Thread size of 5/8"-18UNF (puller end), 3/8"-16UNC (alternator end)

CJ117C Power Steering and Alternator Pulley Puller
Includes short adaptor to remove small flange-type pulley; use long adaptor on GM® 200/Platform vehicles. Can also remove Chrysler® alternator pulleys that have double grooves (Replace pulleys with CJ113B Installer). Long adaptor included to handle pulleys on *GM* minivans. Nickel/chrome finish, industrial finish screw. Designed for most US vehicles (replace pulley with CJ122 sets).

CJ122 Power Steering Pulley Installer Set
Includes CJ113B Installer and CJ113C4 Pulley Installer Shaft. Thread size of 5/8"-18UNF-2A (puller end), 3/8" 16UNC-2A (shaft end).

CJ124A Power Steering/Alternator Pulley Puller
This is a larger version of CJ117C. Designed for *Chrysler*, Ford® and earlier *GM* vehicles.

CJ147A Power Steering Gear Lower Pinion Bearing Puller
- Required tool to comply with *GM R*ecall Bulletins #02049 and #03062 regarding power steering gear lower pinion bearing separation

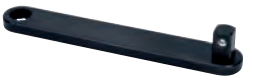
ADT30KT Alternator Pulley Kit
- Aids installation and removal of Alternator Decoupler Pulleys either OWC (one way clutch) or OAD (Overrunning Alternator Decoupler)
- Varying lengths of hex, Torx® and spline configurations allow user to handle unique combinations for a difficult task
- Master kit eliminates the need to shop around for hard-to-find tools and reduces service bay downtime that can erode a technician's profit
- One Way Clutch (OWC) Pulleys and Overrunning Alternator Decoupler (OAD) Pulleys exist on over 20 million cars and growing
- Tool can be used on all major ADP Manufacturers including INA®, Gates® and Litens®
- The most comprehensive kit on the market
- Features a combination of hex bits, *Torx* bits, spline sockets, and specialty bits to work in conjunction to remove pulleys from alternator
- Drop forged and precision CNC components to meet the tight tolerances of the application

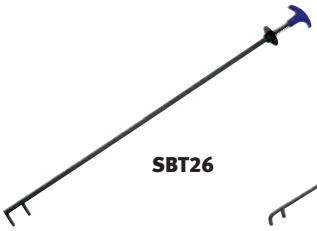
Applications include: Audi®, BMW®, Buick®, *Cadillac*, Chevrolet®, *Chrysler*, Citroen®, Dodge®, Fiat®, Ford®, Honda®, Lexus®, Mercury®, Opal®, Pontiac®, Peugeot®, Porsche®, Renault®, Saturn®, Seat®, Scion®, Toyota® and VW® vehicles

YA1350 *Toyota* Water Pump Pulley Wrench (Blue-Point®)
- Essential tool for preventing pulley damage when removing or installing bolts
- Fixed pin dimension for quick, easy installation
- Unique bend to clear engine compartment obstacles
- Wrench head shaped for generous clearance around the bolts

⚠WARNING
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

ENGINE SERVICE: SERVICE TOOLS


SRD6


SBT26


YA9417


SBTL33


YA9350B


YA9340


GA424A

Belt Tensioning Tools (Blue-Point®)

SRD6 Belt Tensioner Release Tool
- 6" long adaptor with 1/2" male square
- The female triple square drive allows the user more flexibility to work around obstacles by coming in at different angles with a 1/2" breaker bar
- Similar to Snap-on® 6" torque adaptors but with a male square
- If using with a torque wrench, please refer to *Snap-on* part # SS306G Torque Chart for formula to obtain the correct applied torque

Heavy Duty Applications:
- For serpentine belt tensioners with a 1/2" square drive opening found on Series 60 Detroit Diesel® and Caterpillar® engines
- Other heavy duty applications include buses and delivery vans where the doghouse or engine shrouding can get in the way and make the work area very tight

Automotive Applications:
- 1/2" serpentine belt tensioners on Dodge®/Chrysler® vehicles (2.0 L and 3.0 L engines), Ford® vehicles, Lincoln® and Mercury® vehicles (2.3 L, 3.0 L, 4.2 L and 4.6 L engines), GM® vehicles (2.5 L, 4.7 L, 5.0 L and 5.7 L engines)

SBT26 Serpentine Belt Tool
- Works on all serpentine belts
- Clamping jaw allows user to position serpentine belt without the belt slipping out of the tool
- Positive grip allows belt routing in tight access areas
- Ergonomic handle provides comfort and ease in use
- Lightweight steel body for durability and strength

YA9417 Belt Tensioning Tool
- General use belt tool for installation and removal of V-belts and timing belts
- Two-pin design and long length allow user to push and pull belts as needed for access in restricted areas

SBTL33 Serpentine Belt Tool
- Flexibility allows for easy adjustment of belt around various pulley positions
- LED lighted portion of tool ensures easy visibility in dark engine compartments
- Extra long 33" length allows for deeper reach around crank shaft pulley
- Reverse gripping feature allows for two-handed positioning of tool

YA9350B Ratcheting Belt Tensioning Wrench Set
- Allows direct access to belt tensioners without removing engine accessories or frame components
- Covers almost 90% of all vehicles equipped with spring-loaded serpentine belt tensioners
- Includes YA9350B1 wrench (15 mm) and YA9350-2 to YA9350-9 adaptors
- All adaptors feature a 15 mm external hex drive for use with the YA9350B1 wrench

Applications: *Chrysler* (*Dodge* and Plymouth®), *Ford* (*Lincoln* and *Mercury*), *GM*, Isuzu®, Jeep®, Lexus®, Mazda®, Mitsubishi®, Saturn®, Toyota®, VW® vehicles

YA9350B1 Belt Tensioning Wrench
15 mm single hex.

YA9350-2 Adaptor
14 mm single hex. 15 mm external hex drive

YA9350-3 Adaptor
3/8" square drive. 15 mm external hex drive

YA9350-4 Adaptor
3/8" square drive. 15 mm external hex drive

YA9350-5 Adaptor
1/2" square drive. 15 mm external hex drive

YA9350-6 Adaptor
13 mm single hex. 15 mm external hex drive

YA9350-7 Adaptor
16 mm single hex. 15 mm external hex drive

YA9350-8 Adaptor
15 mm single hex. 15 mm external hex drive

YA9350-9 Adaptor
19 mm single hex. 15 mm external hex drive

YA9340 Serpentine Belt Wrench
- Use to release any serpentine belt tensioner with 1/2" square drive opening
- Ratcheting action allows better positioning of the tool, which allows more swing angle than a solid-type serpentine belt wrench
- Reversible ratchet head is only 1" thick so it will fit between tensioner face and fan blades on S Series 60 *Detroit Diesel* and some *Caterpillar* engines
- Also great for working on buses and delivery vans where the doghouse or engine shrouding restrict access
- Compact overall length keeps handle from coming in contact with radiator hoses, charged air cooler pipes, hydraulic lines or frame rails
- Vinyl grip for comfort
- 13" overall length

GA424A Belt Tension Gauge
- Range is 30 lb–180 lb (130–800 N•m)
- Squeeze handle, place gauge on drive belt, release handle and read

Belt Tensioning Tools (Blue-Point®)

SBT60 Serpentine Belt Tensioner Wrench
- Saves time by reducing the number of parts removed to change belts
- Double ended to fit more models
- Extra-long for more leverage



SBT60

SBT12 GM® Ecotec® Serpentine Belt Tensioner Wrench
- Designed to ease service of serpentine belt on *Ecotec* 2.2 L and 2.4 L in-line 4 cylinder engines in *GM* vehicles
- Service serpentine belt without removal of engine mount or lower air filter housing
- Allows access to tensioner from top of engine compartment
- Double square drive gives improved leverage and flexibility
- Low profile fits into space between tensioner and frame rail



SBT12

SBIT1 Stretch Belt Tool
- Allows belt to be rotated onto pulley without twisting the belt, which can cause damage to the belt
- Low profile to allow for tight access applications
- Groove on underside of tab fits on outer lip of pulley to prevent tool from slipping off the pulley

Applications:
2007–2009 Ford®/Lincoln® (Edge, MKZ/MKX) 3.5 L used on water pump. 2009 Chevrolet®/GMC®/Cadillac® (Express, Silverado®, Tahoe®, Suburban®, Colorado®, Avalanche®, Sierra, Savana, Yukon®, Canyon®, Escalade®) 4.8 L, 5.3 L , 6.0 L, 6.2 L used on air conditioner compressor. 2008–2009 Hummer® (H3, H3T, H2) 5.3 L and 6.2 L used on air conditioning compressor.



SBIT1

SBIT2 Stretch Belt Tool
- Easily install stretch belts on late model European vehicles
- Allows belt to be rotated onto pulley without twisting the belt and causing damage
- Low profile to allow for tight access applications
- Groove on underside of tab fits on outer lip of pulley to prevent tool from slipping off the pulley

Applications:
BMW®: Models 118, 120, 318, 320, 325, 330, 335, 520, 525, 530, 535, 635, 730, X3® and X5®; Volvo® vehicles: Models C30, S40 and V50; Mercedes®: 3.0 L Diesel Engines



SBIT2

SBT2KT Stretch Fit Belt Kit
- Universal installation and removal of all stretch belts
- Easy to use process for both removal and installation
- Allows removal and reuse of stretch fit belts
- Includes SBTI Install Tool, SBTR Removal Tool and informative instructional DVD

SBTI Stretch Fit Belt Install Tool

SBTR Stretch Fit Belt Removal Tool



SBT2KT

⚠WARNING
- Do not use "cheater bars" on handles
- Read safety precautions on pages W1 to W4

ENGINE SERVICE: SERVICE TOOLS



YA188G



YA188LR



YA188MKT

Harmonic Balancer (Blue-Point®)

YA188G Harmonic Balancer Installer
- Includes seven adaptors for use on a wide range of engines
- Adaptor sizes: 7/16"-20, 1/2"-20, 9/16"-18, 3/4"-16, M12 x 1.5, M14 x 1.5 and M16 x 2.0

YA188LR Long-Reach Harmonic Balancer Installer
- Traditional harmonic balancer installers cannot be used to install the harmonic balancers on V8s and V6s for late model GM®, Ford®, Chrysler® and Dodge® vehicles
- Kit includes tools for all three US vehicle makers
- Reduce the risk of stripping threads inside the crank
- Reduce the risk of breaking crank bolts
- Kit includes YA188LR-1 thru–YA188LR-5

YA188LR-1 Center Screw (M16 x 2.0)
- Use on *GM* 4.8 L, 5.3 L, 5.7 L, 6.0 L and 7.0 L engines (2008–2012 model years)

YA188LR-2 Center Screw (M12 x 1.5)
- Use on *Ford* 3.0 L, 3.5 L, 4.6 L, 5.4 L and 6.8 L engines (2004–2012 model years)

YA188LR-3 Center Screw (M14 x 1.5)
- Use on *Chrysler*/*Dodge* 4.7 L, 5.7 L and 6.1 L V8 engines (2006–2012 model years)

YA188LR-4 Pressed Bearing and Nut

YA188LR-5 Center Screw (M12 x 1.75)
- Use on *Chrysler*/*Dodge* 3.7 L V6 engines (2006–2012 model years)

YA188MKT Master Harmonic Balancer Installer Kit
- Includes traditional installer adapters as well as long-reach adapters for late model applications
- Services harmonic balancers as well as underdrive pulleys and recessed crank threads on *Dodge* Hemi®, *GM* Gen III/IV and *Ford* 4.6 L and 5.4 L modular engines
- Works on most European vehicles including BMW® and VW® as well as Toyota®, Honda®, Kia® and Hyundai® vehicles



CJ146



YA6490A



YA6010A



HIW3A

CJ146 Harmonic Damper Pulley Puller
- Remove the crankshaft harmonic balancer on 1990 and later 3.3 L and 3.8 L *GM* engines
- Shoulder bolt adaptors provide correct installation depth, preventing damage to the crank sensor and interrupter rings
- Includes three CJ146-1 adaptors and one CJ146-2 extension plus vinyl storage pouch; requires Snap-on® CJ98-1 yoke and CJ83-3 pressure screw for use (not included)

YA6470 Harmonic Dampener Pulley Holding Tool
- Harmonic dampener pulley holding tool for *GM* trucks and SUVs
- Easily removes and installs the bolt holding the pulley
- Industrial black finish helps protect against corrosion

Applications: 1999 and later GEN III 4.6 L, 5.3 L and 6.0 L V8 engines

YA13350 Harmonic Dampener Pulley Puller
- Use on 3.6 L Camaro® engines
- Unique design accesses pulley on internal pulley ledges

YA13450 Harmonic Dampener Pulley Puller
- Use on 3.5 L and 5.7 L *Dodge* engines
- Unique design accesses pulley on internal pulley ledges

YA6490A Harmonic Damper Pulley Puller
- New spring-loaded legs allow for leg position retention
- Provides greater ease and control when installing the puller in confined areas
- Removes harmonic damper pulleys found on many *Chrysler* and *GM* engines
- Used on autos, pickups, SUVs and vans

YA6491A Harmonic Damper Pulley Puller Update Kit
- Updates earlier YA9740 pullers to the same applications as the new YA6490A
- Kit updates other pulley pullers that are similar to the YA9740 series of pullers
- Add YA6491 Update Kit to existing YA9740 series pullers to add these new applications: *GM*: 4.2 L straight 6 cylinder: Chevy® Trailblazer®, GMC® Envoy®, Oldsmobile® Bravada® (2003 and later), Buick® Rainier (2004 and later), 3.5 L Straight 5 cylinder: *Chevy* Colorado®, *GMC* Canyon® (2004 and later), Hummer® H3® (2006 and later), 2.8 L straight 4 cylinder: *Chevy Colorado*, *GMC Canyon* (2005 and later)

YA6010A Harmonic Dampener Pulley Holding Tool *(Blue-Point)*
- Saves time during removal and installation of the crank bolt on most engines in *Honda* and Acura® vehicles. Verify exact model year/engine size coverage with tool instructions
- When used with a 1/2" drive breaker bar or ratchet, prevents the pulley from rotating when removing/installing the pulley bolt

HIW3A Hand Impact Wrench *(Blue-Point)*
- Remove/replace harmonic balancer pulleys without removing the radiator
- Accesses restricted areas where an air impact wrench will not fit or when air supply is unavailable
- Use with any 1/2" impact socket
- Molded rubber hand guard
- Max torque: 600 ft-lb
- Overall length: 22 1/16"

Specialty Tools (Blue-Point®)

YA7200 Ignition Module Wrench for Ford® Vehicles
- For 1982 and later *Ford* ignition modules
- Ratcheting ends are offset 25°
- One end has 7/32", 6-point; other end a T20 TORX® bit

YA8640 Cam Belt Wrench for VW®/Audi® Vehicles
- For adjusting camshaft spur belts that have idler pulleys with pin holes
- Vinyl handle grip

YA6760 Timing Belt Pulley Holder for *VW*/*Audi*
- Holds crank pulley stationary for crank bolt removal and installation to the factory torque requirement
- Three-bolt design for secure holding
- 1/2" drive for use with a breaker bar
- Heat-treated for strength with high quality black finish

Applications: 1.8 L 4 cylinder turbo: *VW* and *Audi* vehicles 1998–2006; 2.0 L 4 cylinder: *VW* vehicles 1993–2005; 2.0 L 4 cylinder turbo: *VW* and *Audi* vehicles 2006 and later

YA9870 Tension Pulley Spanner Wrench
- Easily adjust camshaft spur belts having idler pulleys with pin holes on Mitsubishi®, Plymouth® and Eagle® vehicles
- Protruding pins on the wrench grip the center of the idler pulley and rotate it around its off center retaining bolt
- Rotation allows for the camshaft spur belt tension adjustment
- Designed for use on: 1990–1993 *Mitsubishi* Eclipse®, *Eagle* Talon and *Plymouth* Laser 2.0 L DOHC (non-turbo); 1990–1993 *Plymouth* Laser 2.0 L DOHC (turbo); 1990 and later *Mitsubishi Eclipse* and *Eagle* Talon 2.0 L DOHC (turbo); 1994–1996 *Mitsubishi* Montero® 3.5 L DOHC; 1994 and later *Mitsubishi Montero* 3.5 L SOHC; 1994 and later *Mitsubishi* Galant® 2.4 L SOHC; and 1994 and later *Mitsubishi* Mirage™ 1.8 L SOHC vehicles

YA4590A Hood Prop
- Three-piece telescoping shaft locks in any position
- Range is 20"–48 1/2"
- Will work on front or sides of any car or truck
- Made of steel tubing and features locking levers on each section
- Includes holding support to prevent slippage

YA45904 Hood Prop Adaptor

YA65500 Cam Seal Remover
- Special tool speeds camshaft seal removal on most V6 engines in Toyota® and Lexus® vehicles
- Unique press-and-pull cup design eliminates the difficult pick method
- Use on *Toyota* 3.0 L and 3.3 L V6 (1996 and later) and *Lexus* 3.0 L and 3.3 L V6 (1990 and later) vehicles
- Kit includes cup, press rod, washer, nut and large stud
- Heat-treated alloy steel

YA6551 Cam Seal Remover/Installer
- Kit provides accurate and fast camshaft seal removal and installation on *Toyota* (1996 and later) and *Lexus* (1990 and later) 3.0 L and 3.3 L V6 engines
- Eliminates possibility of camshaft damage
- Heat-treated alloy steel and high quality hardware
- Includes removal cup, press rod, washer, nut and large stud

YA7960 Camshaft Seal Kit
- Easily removes and installs camshaft and crankshaft seals without damage
- Compact puller with unique extracting hooks engage seal for quick removal
- Interchangeable sleeves and mandrels allow easy installation of new seal
- Suits seals from 21.5 mm–64 mm


YA7200


YA8640


YA6760


YA9870


YA4590A


YA65500


YA6551


YA7960

WARNING • Read safety precautions on pages W1 to W4

ENGINE SERVICE: SERVICE TOOLS



S9842A

Thermal Vacuum Switch

S9842A Thermal Vacuum Switch Socket
- For US vehicles through 1988
- 7/8", 6-point wrench opening, 1/2" drive
- 3 1/8" long



S6158

Turning/Moving

S6158 Engine Barring Socket
- Use 4 L–6.6 L small block V8s in Chevrolet® vehicles
- Designed to turn the engine over when it is on engine stand
- 1/2" drive



SPS2

Seal Puller

SPS2 Universal Seal-Puller Set
- Small seal puller used for common seal sizes and large seal puller used for larger seal sizes
- 2" and 4" pins for various seal diameter sizes with clearance requirements
- Surface area on hook helps prevent seal puller from piercing through the seal (0.25" where competitive units are smaller at 0.12")
- Pin creates a pivot point on the surface of the seal, thus distributing the force evenly over a larger surface area when compared to a traditional seal puller design

VALVE: SERVICE TOOLS



S6132A

Cover Bolt Socket

S6132A Metric Valve Cover Bolt Socket
- For GM® vehicles, 1976 and later Honda® vehicles and other import and US vehicles
- 10 mm, 12-point wrench size
- Allows access to head bolts, valve and rocker covers and oil pan bolts
- Deep clearance for bolts with extended tip as used on spark plug wire harness
- 3/8" drive; 11/16" O.D.
- 4 1/8" long



YA8825

Valve Adjustment Tools (Blue-Point®)

Valve adjusting tools for current VW® vehicles. These two tools are designed to be used together on all late models requiring the *VW* #2078 tool, which includes all current 5 cylinder *VW*s and Audi® 5000.

YA8825 Valve-Adjusting Tool
- For Toyota® and other overhead camshaft engines using spacer shims
- Shim pliers push between the shim and camshaft, allowing the included YA8825-1 wedge tool to be placed between the valve lifter ledge and camshaft for easy shim replacement

YA8825-1 Wedge Tool
- Wedge tool to be placed between the valve lifter ledge and camshaft for easy shim replacement



YA8895

Metric Jam Nut Type Adjustment Tools *(Blue-Point)*

Include an idle adjustment screwdriver within a socket and handle for holding adjustment screw in place while the jam nut is tightened. Handle pivots from one side to the other so the socket "window" is always visible.

YA8895 Valve Adjustment Tool
- For all cars with 10 mm jam nut valve screws

YA8880 Valve Adjustment Tool
- For all cars with 12 mm jam nut valve screws

Valve Keeper Tools (Blue-Point®)

GA318A Overhead Valve Tool
- Removes and replaces valve keepers on all gas and diesel overhead valve engines, even VW® Rabbit®, motorcycle, marine and aircraft engines
- Magnetically retains keepers and will not bend valve stems
- Use in place of c-clamp or other type of compressor
- Use only with a soft-faced hammer



GA318A

GA317 Metric Valve Keeper Remover/Installer
- Quickly removes and installs valve keepers on most overhead cam engines with valve stems from 4.5 mm–7.5 mm
- Push or tap tool with hammer to remove valve keepers
- Magnet in tool body captures keepers for quick removal and valve disassembly
- To install keepers, load keepers then push or tap to install
- Used on vehicle or on workbench



GA317

Camshaft/Crankshaft Tools *(Blue-Point)*

GA285 Camshaft Bearing Remover and Inserter Set
- Removes and inserts bearings in all engines
- Five driving plugs handle a range of 1.475"–2.690"
- Fits slightly undersized or oversized bearings
- Sturdy storage box



GA285

YA6380 Camshaft Seal Installer Set
- Quickly and easily install the crankshaft seal on most 4 cylinder and V6 engines that have 10 mm and 12 mm x 1.25 cam bolts



YA6380

General Service *(Blue-Point)*

YA8230 Valve Stem Seal Pliers
- Removes valve stem seals from overhead camshaft engines including four valve-per-cylinder engines that have restricted access to the valve stem seal
- Gripping serrations in the pliers tip easily grab both OEM and aftermarket seals with ease
- Easy-grip handles



YA8230

VL2 Valve Holder
5/8" and 13/16" diameter suction cups.

VL3 Valve Holder
1 1/8" and 1 3/8" diameter suction cups.



VL2

YA6290 Valve Stem Seal Pliers
- Use in restricted areas with a clearance problem above the cylinder head
- Pliers head rotates from 0°–90°
- Jaw tip features a thin edge for hooking under stubborn valve stem seals
- Four vertical ridges on jaws aid in holding the valve stem seal
- Vinyl handle grips for comfort and control



YA6290

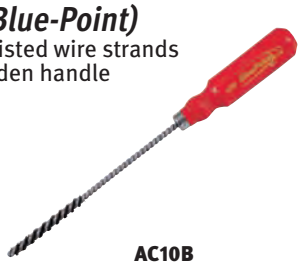
VALVE GUIDE SERVICE TOOLS

Valve Guide Brushes *(Blue-Point)*
- Brush wire is woven into twisted wire strands
- Each features a fluted, wooden handle

AC10B Valve Guide Brush
5/16" diameter brush.

AC11B Valve Guide Brush
11/32" diameter brush.

AC12B Valve Guide Brush
3/8" diameter brush.



AC10B

Metric Valve Guide Removers
- Designed for use with Snap-on® air hammers
- Can also be used as drift punches

PHG97A Valve Guide Remover
5 mm pilot. 189 mm long.

PHG96A Valve Guide Remover
7 mm pilot. 189 mm long.

PHG83A Valve Guide Remover
8 mm pilot. 190 mm long.



PHG83A

PHG86A Valve Guide Remover
9 mm pilot. 190 mm long.

WARNING • Read safety precautions on pages W1 to W4

VALVE: SERVICE TOOLS



CF811B



CF19B



CF700C

Valve Lifters (Blue-Point®)

CF811B C-Clamp Compressor
- 1"–2" capacity. For "L" head, valve in head, high compression engines and vehicles with overhead valves
- Activating mechanism prevents cocking of valve spring as it is compressed

CF19B C-Clamp Compressor
- Compact model includes CF19-3A jaws for 1/4"–1 1/16" diameter springs on small, air-cooled engines and CF19A5 jaws for both 17 mm and 20.8 mm diameter springs on Honda® engines

CF700C Valve Spring Compressor
- 7/8"–2 1/2" capacity. Operates on 90–150 PSI, but develops up to 3x output pressure. Tool measures 1" x 8"

CF700-2 Replacement Jaw Set
- Medium, offset jaws with 1"–2" capacity
- For CF811B and CF700C

CF700C-1 Optional Jaw Set
- For CF811B and CF700C
- Large, straight jaws with 1 1/2"–2 1/2" capacity



YA9140B



YA3271



VST100

Valve Spring Compressors *(Blue-Point)*

YA9140B Universal Valve Spring Compressor
- Removes/installs the valve spring without removal of the cylinder head from the engine
- US and import servicing of single and double overhead cam engines, including Audi®, Chrysler®, Infiniti®, *Honda*, Hyundai®, Lexus®, Mazda®, Mitsubishi®, Nissan®, Porsche®, Saturn®, Toyota®, Volvo® and VW® vehicles

YA3271 Valve Spring Compressor
- For most cars and trucks with overhead valves
- Works with cylinder head on or off the engine
- Removable hand wheel provides option to use 5/8" socket or wrench in confined quarters

VST100 Cam Operated Valve Spring Compressor
- Eliminates the need for cylinder removal and the need to readjust tool to each spring
- Works on most overhead valve engines



CG90

Valve Spring Depressor

CG90 Valve Spring Depressor
- Self-leveling action compensates for any helix angle spring
- Jaw length can be adjusted
- Pulls with equal pressure on both

Valve Spring Replacement Tools

M2112PK Timing Chain Holder For Lexus® vehicles (2 pk)
- *Lexus* V6 Valve Spring Replacement Tool
- For *Lexus* safety recall ALE
- M2112PK includes two M2112s as two are required to hold timing chain

Application:
M2112PK holds timing chain during valve spring replacement or any other service requiring camshaft removal. Saves technician time as the engine can be turned over with the cam shaft out and with the timing chain installed.

M2113 For VVT Gear Holder *Lexus* Vehicles
- *Lexus* V8 Valve Spring Replacement Tool
- For *Lexus* engine designation 1 UR-FSE 4.6 L V8
- For *Lexus* safety recall ALE

Application:
M2113 holds the intake VVT gear during valve spring replacement. Saves technician time as the engine can be turned over with the cam shaft out and with the VVT gear in and timing chain installed. M2113 can be used instead of using wire ties.



M2112PK



M2113

Ridge Reamer (Blue-Point®)

WR30A Ridge Reamer
- Lathe type reamer is for 3"–5" diameter cylinders
- Centers itself in cylinder

WR30A10 Replacement Cutter Bit



WR30A

Cylinder Bore

GA3627 Cylinder Bore Gauge
- Measure cylinder wear without removing pistons
- Check cylinder diameter when used with micrometer
- Range is 2.6"–7" in .001" increments and measures to a bore depth of 8"
- Includes gauge, six extensions (0.2", 0.4", 0.6", 0.8", 1.0" and 2.0") plus storage case



GA3627

Ring Expanders

PRS8 Piston Ring Expander
- Installs piston rings from 3/64"–1/4" thick
- Eliminates breakage or distortion of rings
- 7" long

PRS10 Piston Ring Expander
- 2 3/4"–4 1/4" ring capacity
- Remove or install both step cut and diagonal cut rings
- Spring tension eliminates the need for adjustment

PRS12 Piston Ring Expander
- Similar to PRS10 but with 4 1/2"–7" ring capacity
- Excellent for heavy duty diesel applications



PRS8



PRS10

⚠WARNING • Read safety precautions on pages W1 to W4

PISTON: SERVICE TOOLS



RC150A



RC40C



RCL30



RCW60



RC980



RC500



RC510A



HLE24

Ring Compressors

Clutch control holds tension band in position as piston is inserted into cylinder. 1/2" wide spring bands equalize tension over belt width so ring assembly may be compressed into groove until flush with piston. “V” beads on lower edge of belt keep tool from entering cylinder. RC40C can be used upside down for Chevrolet®, Mercury® and Ford® trucks with angled blocks.

RC150A Ring Compressor
- Four band
- 3 1/2"–7" capacity, 7" deep

RC50C Ring Compressor
- Two band
- 3 1/2"–7" capacity, 3 1/2" deep

RC40C Ring Compressor
- Two band
- 2 1/8"–5" capacity, 3 1/2" deep

RCL30 Ring Compressor
- One band
- 2 1/2"–5" capacity
- May be disassembled and removed from around connecting rod when used on small aircraft, motorcycle or other engines that require the cylinder to be pushed over the piston during assembly

RCW60 Ring Compressor
- One band
- 3"–5" capacity, 1 1/2" deep
- Low-friction wrinkle band construction with thumbscrew for precise adjustment
- Used on small aircraft and motorcycle engines where cylinders are pushed over piston during assembly

RC980 Ring Compressor Set
- Works both horizontally and vertically with pliers grip handle
- Fine tooth ratcheting mechanism
- Includes six hardened steel bands: 2 7/8"–3 1/8", 3 1/8"–3 3/8", 3 3/8"–3 5/8", 3 5/8"–3 7/8", 3 7/8"–4 1/8" and 4 1/8"–4 3/8"

RC980-7 Optional Band 4 1/2"–4 3/4" capacity
RC980-8 Optional Band 4 3/4"–5" capacity
RC980-9 Optional Band 5"–5 1/4" capacity
RC980-9.5 Optional Band 5 1/4"–5 1/2" capacity
RC980-10 Optional Band 5 1/2"–5 3/4" capacity
RC980-11 Replacement Pliers

Ring Groove Cleaners

RC500 Piston Ring Groove Cleaner
For pistons with grooves of 5/64", 3/32", 1/8", 5/32" and 3/16" with diameters from 2 1/2"–5".

RC500-1 Replacement Cutter Blade
Replacement cutter blade.

RC500-11 Optional Cutter Blade
For 1/8", 1/4", 5/16", 2.5 mm and 3 mm grooves.

RC510A Piston Ring Groove Cleaner
For pistons with grooves of 5/64", 3/32", 1/8", 5/32" and 3/16" with diameters from 1"–5".

RC510-1 Replacement Cutter Wheel

RC510-6 Replacement Knurled Nut

RC510-3 Adaptor
Adapts RC510A for use on pistons with diameters of 1–2 3/4".

RC510-7M Replacement Metric Cutter Wheel

Dead Blow Hammer

HLE24 Piston Dead Blow Hammer
Made of material that will not damage the piston. Shot-filled head drastically reduces rebound. Head length is 7 3/4". Diameter is 1 1/4"–1 1/2" with a reach of 5 1/2" to the handle shoulder. Overall length is 12 3/4".



A57Q

A57Q Bushing Remover/Inserter Set

- For standard and specialized bronze, steel, rubber or Enlox bushings
- Range of adaptor sizes covers nearly all shackle and steering bushings
- New bushings are inserted by tightening screw, which forces the bushing into place without hammering
- Sleeve permits forcing out of old bushings
- Useful where limited space prevents driving them out
- Five smallest adaptors are used only with the smallest driver

Stock No.	Description
A57CA	Screw (1/2"-20)
A57-35	Screw (5/8"-18)
ME4A2	Nut (1/2"-20)
ME4A4	Nut (5/8"-18)
A57-3	Washer (1/2" ID, 1 1/4" OD)
A57-37	Sleeve Adaptor (.500" ID x .625" OD)
A57-39	Sleeve Adaptor (.640" ID x 2.047" OD)
A57-41	Sleeve Adaptor (1.000" ID x 2.047" OD)
A57-38	Sleeve Adaptor (1.500" ID x 2.047" OD)
ESD1428	Bearing (1/2" ID, 1" OD)
ME11A1	Bearing (5/8" ID, 1 1/8" OD)
A57-36	Sleeve (4 15/16" long, 2 1/16" ID)
A57-27	Puller (1/8"-27 taper thread)

Stock No.	Dimension, inches O.D.	Dimension, inches Small O.D.	Dimension, inches Large I.D.	Dimension, inches Large O.D.
A57-15	Bushing Driver for Adaptors A57-16–A57-26			
A57-16	.339	.434	—	—
A57-17	.430	.497	—	—
A57-26	.492	.622	—	—
A57-18	—	.493	—	.559
A57-25	—	.554	—	.684
A57-14A	Bushing Driver for Adaptors A57-8–A57-20			
A57-8	.555	.622	—	—
A57-19	.601	.668	—	—
A57-7	.618	.747	—	—
A57-6	.678	.809	—	—
A57-5	.728	.856	—	—
A57-24	.742	.997	—	—
A57-10	.789	.918	—	—
A57-11	—	.851	—	.980
A57-22	—	.907	—	1.046
A57-12A	—	.919	—	1.027
A57A13	—	.993	—	1.122
A57-46	—	1.034	—	1.136
A57-20	—	1.055	—	1.184
A57-23A	—	1.101	—	1.230
A57-45	—	1.250	1.125	—
A57-42	—	1.406	1.187	—
A57-48	1.206	1.500	—	—
A57-29	1.222	1.372	—	—
A57-40	1.367	1.625	—	—
A57-44	—	1.812	1.375	—
A57-43	—	—	1.625	2.000
A57-47	—	—	1.859	2.000
A57-49	—	—	—	13/16 opening
A57-51	—	—	—	17/32 opening
A57-50	—	—	—	1 3/8 opening



A57CA



ME4A2



A57-3



A57-37



ESD1428



A57-36



A57-27



A57-15



A57-16



A57-18



A57-14A



A57-8



A57-5



A57-11



A57-46



A57-20



A57-45



A57-42



A57-48



A57-44



A57-43



A57-49



A57-51

⚠WARNING • Read safety precautions on pages W1 to W4

BUSHING/SEAL: DRIVER SETS



A261M

Metric Heavy Duty Bushing Driver Set

A261M Metric Bushing Driver Set

- Includes an extra large driver handle and adaptors in 40 mm–80 mm sizes
- Packaged in PB117 storage box

A261M Set Components

Stock No.	Description
A257-1	Large Driver Handle
A157-5	Driver Nut, 1/2"-20
A261M1	Adaptor (40–44 mm)
A261M2	Adaptor (42–45 mm)
A261M3	Adaptor (45–48 mm)
A261M4	Adaptor (48–52 mm)
A261M5	Adaptor (50–53 mm)
A261M6	Adaptor (55–60 mm)
A261M7	Adaptor (60–65 mm)
A261M8	Adaptor (65–70 mm)
A261M9	Adaptor (70–75 mm)
A261M10	Adaptor (75–80 mm)



A158B

Heavy Duty Bushing Driver Set

A158B Heavy Duty Bushing Driver Set

- Includes eight basic adaptors for servicing bushings on trucks, tractors and buses
- Adaptors are secured to threaded driver shaft by knurled nut
- Industrial finish
- Set comes packaged in PB34 storage box

A158B Set Components/Adaptors

Stock No.	I.D., inches	O.D., inches
A257-1	Large Driver Handle	—
A157-5	Driver Nut, 1/2"-20	—
A257-23	1 5/16	1 7/16
A257-24	1 3/8	1 1/2
A257-25	1 7/16	1 9/16
A257-26	1 1/2	1 5/8
A257-27	1 9/16	1 11/16
A257-28	1 5/8	1 3/4
A257-29	1 11/16	1 13/16
A257-30	1 3/4	1 7/8



A157C

Standard Bushing Driver Set

A157C Standard Bushing Driver Set

- Adaptors held on drivers with knurled nut
- Small and medium drivers (A157-3 and A157-2) fit all smaller bushings (A157-6–A157-12); large driver (A157-1) fits remaining bushings (A157-13–A157-22)
- Set comes packaged in PB20 storage box

A157C Set Components/Adaptors

Stock No.	I.D., inches	O.D., inches	Stock No.	I.D., inches	O.D., inches
A157-1	Large Driver Handle	—	A157-11	5/8	3/4
A157-2	Medium Driver Handle	—	A157-12	11/16	13/16
A157-3	Small Driver Handle	—	A157-13	3/4	7/8
A157-4	Driver Nut, 5/16"-24	—	A157-14	13/16	15/16
A157-5	Driver Nut, 1/2"-20	—	A157-15	7/8	1
A157-6	3/8	7/16	A157-16	15/16	1 1/16
A157-22	15/32	17/32	A157-17	1	1 1/8
A157-7	7/16	1/2	A157-18	1 1/16	1 3/16
A157-8	1/2	5/8	A157-19	1 1/8	1 1/4
A157-9	9/16	11/16	A157-20	1 3/16	1 5/16
A157-10	5/8	11/16	A157-21	1 1/4	1 3/8



A257

Complete Heavy Duty Bushing Driver Set

A257 Complete Heavy Duty Bushing Driver Set

- Complements the A157C set by adding 27 larger adaptors for transmission work as well as many other automotive and industrial applications
- Industrial finish
- Set is arranged in PB27 storage box

A257 Set Components/Adaptors

Stock No.	I.D., inches	O.D., inches	Stock No.	I.D., inches	O.D., inches
A257-1	Large Driver Handle	—	A257-36	2 1/8	2 1/4
A157-5	Driver Nut, 1/2"-20	—	A257-37	2 3/16	2 5/16
A257-23	1 5/16	1 7/16	A257-38	2 1/4	2 3/8
A257-24	1 3/8	1 1/2	A257-39	2 5/16	2 7/16
A257-25	1 7/16	1 9/16	A257-40	2 3/8	2 1/2
A257-26	1 1/2	1 5/8	A257-41	2 7/16	2 9/16
A257-27	1 9/16	1 11/16	A257-42	2 1/2	2 5/8
A257-28	1 5/8	1 3/4	A257-43	2 9/16	2 11/16
A257-29	1 11/16	1 13/16	A257-44	2 5/8	2 3/4
A257-30	1 3/4	1 7/8	A257-45	2 11/16	2 13/16
A257-31	1 13/16	1 15/16	A257-46	2 3/4	2 7/8
A257-32	1 7/8	2	A257-47	2 13/16	2 15/16
A257-33	1 15/16	2 1/16	A257-48	2 7/8	3
A257-34	2	2 1/8	A257-49	2 15/16	3 1/16
A257-35	2 1/16	2 3/16			



A160M

Standard Metric Bushing Driver Set

A160M Metric Bushing Driver Set

- Includes three driver handles and adaptors in 10 mm–42 mm sizes
- Packaged in PB118 storage box

A160M Set Components

Stock No.	Description	Stock No.	Description
A157-1	Large Driver Handle	A160M6	Adaptor (18–20 mm)
A157-2	Medium Driver Handle	A160M7	Adaptor (20–22 mm)
A157-3	Small Driver Handle	A160M8	Adaptor (22–24 mm)
A157-4	Driver Nut, 5/16"-24	A160M9	Adaptor (25–27 mm)
A157-5	Driver Nut, 1/2"-20	A160M10	Adaptor (28–30 mm)
A160M1	Adaptor (10–12 mm)	A160M11	Adaptor (30–34 mm)
A160M2	Adaptor (12–14 mm)	A160M12	Adaptor (32–36 mm)
A160M3	Adaptor (14–16 mm)	A160M13	Adaptor (35–40 mm)
A160M4	Adaptor (15–17 mm)	A160M14	Adaptor (38–42 mm)
A160M5	Adaptor (16–18 mm)		



A1310A

Bearing Race and Seal Driver Set

A1310A Bearing Race and Seal Driver Set (Blue-Point®)

- Collars fit most standard wheel bearing sizes
- Three largest sizes fit most late model four wheel drive vehicles

A1310A Set Components

Stock No.	Description
A1306-1	Handle (5 3/4" long)
A1306-2	Collar (1 9/16" long)
A1306-3	Collar (1 3/4" long)
A1306-4	Collar (1 31/32" long)
A1306-5	Collar (2 5/16" long)
A1306-6	Collar (2 17/32" long)
A1306-7	Collar (2 15/32" long)
A1310-1	Collar (2 27/32" long)
A1310-2	Collar (3" long)
A1310-3	Collar (3 3/16" long)



YA2480

YA2480 Seal Driver Set Components

Stock No.	Description	Stock No.	Description
A1306-1	Handle (5 3/4" long)	YA2480-8	Adaptor (#8)
A1306-1-1	Adaptor Mounting Bolt	YA2480-9	Adaptor (#9)
YA2480-17	Steel Backup Washer	YA2480-10	Adaptor (#10)
YA2480-1	Adaptor (#1)	YA2480-11	Adaptor (#11)
YA2480-2	Adaptor (#2)	YA2480-12	Adaptor (#12)
YA2480-3	Adaptor (#3)	YA2480-13	Adaptor (#13)
YA2480-4	Adaptor (#4)	YA2480-14	Adaptor (#14)
YA2480-5	Adaptor (#5)	YA2480-15	Adaptor (#15)
YA2480-6	Adaptor (#6)	YA2480-16	Adaptor (#16)
YA2480-7	Adaptor (#7)		



ASD1

Bearing Race and Seal Driver

ASD1 Universal Adjustable Bearing Race/Seal Driver

- Three-stepped jaws quickly adjust to accommodate bearing races and seals from 0.7"–3.39" (18 mm–86 mm) — eliminating the need for a driver and several different heads
- Step 1 jaw range: 0.7"–2.2" (18 mm–56 mm)
- Step 2 jaw range: 1.5"–3.0" (39 mm–77 mm)
- Step 3 jaw range: 1.89"–3.4" (48 mm–86 mm)
- Total depth/reach: 1.57" (40 mm)
- Can be used on US, Asian and European-built vehicles, including motorcycles
- Takes up less space in your tool storage than a typical bearing race/seal driver set
- Not included in A1310A Bearing Race and Seal Driver Set

WARNING • Read safety precautions on pages W1 to W4

COVERS

High density sponge rubber is laminated to vinyl, providing better protection and adherence to the fender.



JCKS6A



JCKS7A



JCK7DBL



JCK8



JCK15D



KAC1224TCA

Fender Covers

JCKS6A Fender Cover
- Measures 21" W x 30" L
- Raised ribbing along the center section provides tool holding space

JCKS7A Fender Cover
- Measures 22 1/2" W x 30" L
- For use on vehicles with broad fenders
- Raised ribbing along the center section provides tool holding space

JCK7DBL Fender Cover
- Measures 26" W x 36" L
- For use on shorter fenders of most new vehicles
- Raised ribbing

JCK7D Fender Cover
Same as JCK7DBL in red.

JCK8 Fender Cover
- Measures 26" W x 36" L
- Nonslip, non-absorbent surface conforms to the fender of any vehicle
- Easy to clean with soap and water

JCK15D Fender Cover
- Heavy duty vinyl material protects all surfaces
- Measures 29" W x 52" L

KAC1224TCA Motorcycle Gas Tank Cover
- Fits Harley-Davidson® Dyna, Softail® and Touring models
- Fits various models of Yamaha®, Victory®, Triumph® and Kawasaki® motorcycles plus many more
- Non-marring cover uses a non-abrasive inner liner that will not slide off



SEATCOVERBLU



SEATCOVERBLK

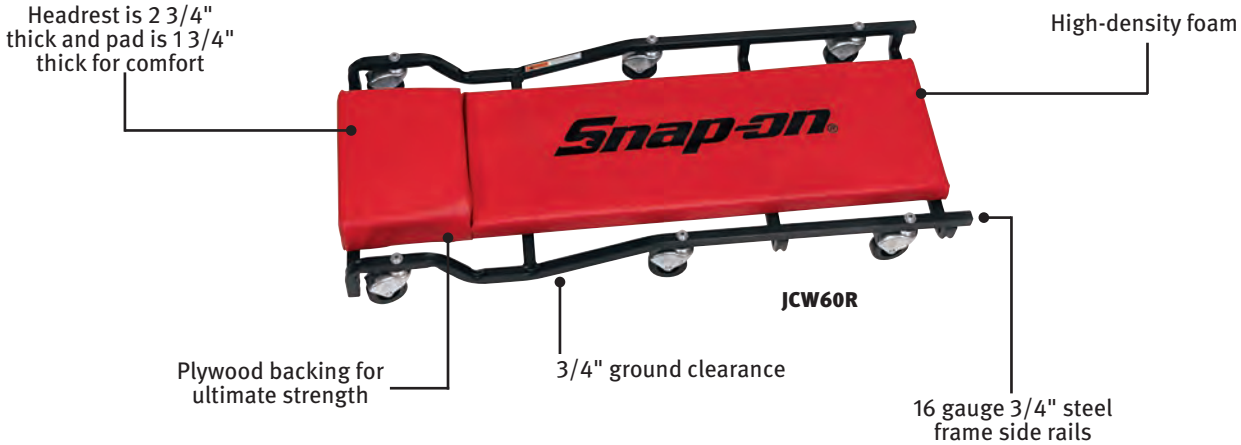


SEATCOVERRED

Seat Covers

- Universal fit for virtually all vehicles
- Reinforced expansion panels
- SAS technology = safety access system enabled
- Side airbag compatible
- Seat-lever compatible
- In-seat seat belt compatible
- Premium weight – 4 oz for durability and long life
- Water-resistant and machine washable

SEATCOVERBLU Snap-on® Racing Seat Cover (Blue)
SEATCOVERBLK *Snap-on* Racing Seat Cover (Black)
SEATCOVERRED *Snap-on* Racing Seat Cover (Red)



JCW60R



JCW60O



JCW60MAX4



JCW8A

Standard Creepers

Stock No.	Pad Color	Overall Size, inches	Pad Length	Pad Width	Number of Casters	Caster Diameter
JCW60BL	Black	40 L x 17 W x 4 H	39"	11"	6	2 1/2"
JCW60R	Red	40 L x 17 W x 4 H	39"	11"	6	2 1/2"
JCW60WLD	Orange	40 L x 17 W x 4 H	39"	11"	6	2 1/2"
JCW60O	Orange	40 L x 17 W x 4 H	39"	11"	6	2 1/2"
JCW60G	Green	40 L x 17 W x 4 H	39"	11"	6	2 1/2"
JCW60MAX4	Realtree® MAX-4®	40 L x 17 W x 4 H	39"	11"	6	2 1/2"
JCW8A*	Black	40 L x 17 W x 4 H	39"	11"	4	2 1/2"

*Blue-Point®



JCW65ABL



JCW65AR



JCW65AG

Adjustable Creepers

Stock No.	Pad Color	Overall Size, inches	Pad Length	Pad Width	Number of Casters	Caster Diameter
JCW65ABL	Black	40 L x 17 W x 4 H	39"	11"	6	2 1/2"
JCW65AR	Red	40 L x 17 W x 4 H	39"	11"	6	2 1/2"
JCW65AO	Orange	40 L x 17 W x 4 H	39"	11"	6	2 1/2"
JCW65AG	Green	40 L x 17 W x 4 H	39"	11"	6	2 1/2"
JCW65AMAX4	*Realtree MAX-4*	40 L x 17 W x 4 H	39"	11"	6	2 1/2"

⚠WARNING

- Do not stand on or use as a cart
- Read safety precautions on pages W1 to W4

CREEPERS



Heavy Duty Creepers

Stock No.	Pad Color	Overall Size, inches	Pad Length	Pad Width	Number of Casters	Caster Diameter
JCW70ABL	Black	40 L x 22 W x 5 3/4 H	39"	13"	4	4"
JCW70AR	Red	40 L x 22 W x 5 3/4 H	39"	13"	4	4"



JCW75ABL



JCW75AR

Heavy Duty Adjustable Creepers

Stock No.	Pad Color	Overall Size, inches	Pad Length	Pad Width	Number of Casters	Caster Diameter
JCW75ABL	Black	40 L x 22 W x 5 3/4 H	39"	13"	4	4"
JCW75AR	Red	40 L x 22 W x 5 3/4 H	39"	13"	4	4"



JCW45BL



JCPW40B

Specialty Creepers/Accessories

JCW45BL Black Premium Creeper

- Curved body supports for comfort and keeps creeper under you while maneuvering around
- Six inline roller casters have minimal contact with the ground, allow for quick directional changes and provide minimal rolling resistance
- Lightweight design is optimized for strength and has side and bottom handles to easily carry to the job
- Durable polyethylene material withstands shop chemicals and temperature extremes
- Reliefs on each side to allow for maximum arm clearance when working underneath vehicles
- Built to withstand the rigors of the professional shop environment
- 38" L x 17" W x 4" H

JCPW40B Padded Creeper

- 13" wide padded creeper with 6" all-rubber tires
- Provides a smooth ride over rough terrain
- Constructed from 1" 16 gauge steel tubing
- Overall dimensions: 39" L x 29" W x 9 1/2" H



JCW80R



JCW80O



JCW80MAX4



JCW85BL

Seat Creepers

Stock No.	Pad Color	Overall Size, inches	Seat Size, inches	Drawer Size, inches
JCW80BL	Black	14 1/4 L x 19 W x 15 H	10 L x 14 1/4 W	9 7/8 L x 11 1/2 W x 1 3/4 D
JCW80R	Red	14 1/4 L x 19 W x 15 H	10 L x 14 1/4 W	9 7/8 L x 11 1/2 W x 1 3/4 D
JCW80O	Orange	14 1/4 L x 19 W x 15 H	10 L x 14 1/4 W	9 7/8 L x 11 1/2 W x 1 3/4 D
JCW80G	Green	14 1/4 L x 19 W x 15 H	10 L x 14 1/4 W	9 7/8 L x 11 1/2 W x 1 3/4 D
JCW80MAX4	Realtree® MAX-4®	14 1/4 L x 19 W x 15 H	10 L x 14 1/4 W	9 7/8 L x 11 1/2 W x 1 3/4 D
JCW85BL*	Black	17 3/4 L x 15 W x 23 H	17 3/4 L x 10 W x 8 H	9 7/8 L x 11 1/2 W x 1 3/4 D
JCW85R*	Red	17 3/4 L x 15 W x 23 H	17 3/4 L x 10 W x 8 H	9 7/8 L x 11 1/2 W x 1 3/4 D

*Bucket seats



JCW90ABL



JCW95AR

Adjustable Seat Creepers

Stock No.	Overall Size, inches	Seat Size, inches	Adjustment Range
JCW90ABL	15 L x 15 W x 21 1/2 H	13 3/4 L x 13 3/4 W	14"–19 1/4"
JCW95ABL	17 3/4 L x 15 W x 28 1/4 H	17 3/4 L x 10 W x 8 H	14"–19 1/4"
JCW95AR	17 3/4 L x 15 W x 28 1/4 H	17 3/4 L x 10 W x 8 H	14"–19 1/4"



KRJC23AAPV

KRJC23AAPV Creeper Hanger
- Secures creepers to roll cabs
- Adjustable to four different creeper widths
- Two hook bolts and a lock rod are included
- 16 13/16" length
- Black textured finish

⚠WARNING

- Do not stand on or use as a cart
- Read safety precautions on pages W1 to W4

MEASURING: MICROMETERS AND SETS



MIC1B



MIC103B

Digital Micrometers, inches (Blue-Point®)

- Standard reading in .001" increments on digit display
- Vernier style reading in .0001" increments
- Large easy-to-handle insulated frame, carbide-tipped anvils, positive locking clamp and ratchet stop thimble

Stock No.	Range, inches	Increments, inches
MIC1B	0–1	0.01
MIC2B	1–2	0.01
MIC3B	2–3	0.01
MIC4B	3–4	0.01
MIC5B	4–5	0.01

MIC103B Fractional Set *(Blue-Point)*
MIC1B, MIC2B and MIC3B in fitted case with standards.



MIC3-4E



MIC0-3E

Electronic Micrometers

Stock No.	Range	MIC0-3E
MIC0-1E	0"–1" (0–25.4 approx. mm)	•
MIC1-2E	1"–2" (25.4–50.8 approx. mm)	•
MIC2-3E	2"–3" (50.8–76 approx. mm)	•
MIC3-4E	3"–4" (76–101 approx. mm)	
MIC4-5E	4"–5" (101–127 approx. mm)	

MIC0-3E Electronic Micrometer Set

- Supplied in protective metal case with foam insert
- Foam insert with two extra pockets for additional Micrometers (3–4" and 4–5")
- Supplied with two standards 1" and 2"
- Accuracy (in) ± .0001", (mm) ± .002 mm
- Includes a large, easy-to-read, high-contrast LCD digital readout
- Hard and stable one-piece friction thimble permits one-hand operation of micrometer and uniform contact pressure
- No-glare satin chrome finish on thimble and sleeve minimizes annoying surface glare under bright lights indoors
- Balanced frame design for comfortable and accurate measuring
- Hardened, CNC machine ground and hand lapped spindle screw
- Inch/millimeter metric conversion provides simple, universal, standardized unit of measurement at any position
- Measurement hold button
- Micro-lapped carbide measuring faces
- Preset button to install any reading at any position
- Automatic off functionality



MIC1MB



MIC103MB

Digital Micrometers, mm *(Blue-Point)*

- Standard reading in .01 mm increments on mechanical digital display
- Large easy-to-handle insulated frame, carbide-tipped anvils, positive locking clamp and ratchet stop thimble

Stock No.	Range, mm	Increments, mm
MIC1MB	0–25	0.01
MIC2MB	25–50	0.01
MIC3MB	50–75	0.01
MIC4MB	75–100	0.01
MIC5MB	100–125	0.01

MIC103MB Digital Metric Micrometer Set *(Blue-Point)*
MIC1MB, MIC2MB and MIC3MB in fitted case with standards.



MICB1B



MICB103B

Outside Micrometers, inches *(Blue-Point)*

- Large easy-to-handle insulated carbide-tipped anvils, positive locking clamp and ratchet stop thimble

Stock No.	Range, inches	Increments, inches	MICB103B
MICB1B	0–1	.0001	•
MICB2B	1–2	.0001	•
MICB3B	2–3	.0001	•
MICB4B	3–4	.0001	
MICB5B	4–5	.0001	

MICB103B SAE Set *(Blue-Point)*
Includes: MICB1B, MICB2B, MICB3B (3pc) in fitted case with standards.



MICED1B



MICINSIDE12

MICED1B Electronic Digital Micrometer *(Blue-Point)*

- Display reads to 0.00005" (0.001 mm)
- Zero set for absolute and incremental measuring modes
- Auto shutoff after ten minutes
- Insulated frame, hardened body, carbide-tipped anvil, positive locking clamp and ratchet stop thimble

MICINSIDE12 Inside Micrometer Set *(Blue-Point)*

- Range is 2–12" in .001" increments
- Includes inside micrometer head and a series of coil spring pressure contact rods



MIC22

Micrometer Test Gauges (Blue-Point®)

- Test gauges are used as micrometer standards
- Accuracy meets Federal Specifications

Stock No.	Size
MIC22	1"
MIC32	2"
MIC42	3"
MIC52	4"
MIC2M2	25 mm
MIC3M2	50 mm



MROUND4

Small Hole Gauge Set

Stock No.	Range, inches
CM4311	0.125–0.200
CM4312	0.200–0.300
CM4313	0.300–0.400
CM4314	0.400–0.500

MROUND4 Small Hole Gauge Set

- Knurled knob at handle for size adjustment
- Full round gauging surface with flat bottom



TEE6



MTEE6

Telescoping Gauge Sets

Stock No.	Range, inches	TEE6	MTEE6*
TEE6-1	5/16–1/2	•	
TEE6-2	1/2–3/4	•	
TEE6-3	3/4–1 1/4	•	
TEE6-4	1 1/4–2 1/8	•	
TEE6-5	2 1/8–3 1/2	•	
TEE6-6	3 1/2–6	•	
CM4349*	5/16–1/2		•
CM4350*	1/2–3/4		•
CM4351*	3/4–1 1/4		•
CM4352*	1 1/4–2 1/8		•
CM4353*	2 1/8-3 1/2		•
CM4354*	3 1/2–6		•

**Blue-Point*

TEE6 Telescoping Gauges

- Constant spring tension gives uniform contact pressure
- Both plungers are easily locked at any desired setting
- Handles are rigidly attached to the contact plungers and are automatically self-centering



DM6

Stock No.	Description	DM6
DM61	4" Rod	•
DM62	5" Rod	•
DM63	6" Rod	•
DM64	7" Rod	•
DM65	8" Rod	•
DM66	9" Rod	•
DM67	Micrometer Head	•
PBDM6	Storage Case	•
DM6	Depth Micrometer Set	•

DM6 Depth Micrometer Set *(Blue-Point)*

- Measure depths of slots, counterbores, holes and keyways up to 6" in depth
- 4" satin chrome base for greater stability
- Graduated in .001" increments



GA2-6B

Bore Gauge

GA2-6B Dial Bore Gauge

- All anvils laser marked for easy selection
- Gauge chart for quick and easy anvil selection
- Supplied in metal case with foam insert
- Ergonomic design with nonslip insulating grip
- Carbide contacts for extended wear
- Graduations 0.0005"
- Approximate depth 6"

MEASURING: CALIPERS/MAGNETIC BASE



CAL6D



CAL6E



CAL6V

Calipers

CAL6D Dial Caliper, 6"
- White-faced dial caliper, 0"–6" range, .001" graduations
- Accuracy (in) ± .001"
- Sharp, clear dial graduations
- Adjustable bezel
- Double rack pinion gears provides anti-backlash control
- Hardened stainless-steel, all-metal construction
- Beryllium copper gib in the slide assembly and polished bar guarantees smooth operation
- Depth rod covers rack to protect against damage
- Lock screw for sliding jaw and dial bezel
- Fine adjustment thumb wheel
- Supplied in plastic case with foam insert

CAL6E Electronic Caliper, 6"
- Stainless-steel, .0005" resolution, and 0"–6" measuring range
- Lightweight and comfortable
- Auto-off after 30 minutes, last measuring position is retained
- Inch/millimeter conversion reads .0005" or 0.01 mm
- Accuracy (in) 0"–4" (± .001") 4"–6" (± .0015")
- Accuracy (mm) 0mm–100mm (± 0.025 mm) 100 mm–150 mm (± 0.04 mm)
- Hardened stainless-steel body
- At .320" the digits on this tool are easy to read
- Beryllium copper gib in slide assembly and polished bar guarantees smooth operation
- Integrated depth rod
- Fine adjustment thumb wheel
- Zero at any position
- Supplied in plastic case with foam insert

CAL6V Vernier Caliper, 6"
- Caliper includes metric/inch readings, 150 mm/6" range, .02 mm/.001" graduations
- Accuracy (in) 0"–4" (± .001") 4"–6" (±.0015")
- Accuracy (mm) ± .025 mm per 300 mm
- Lock screw for sliding jaw
- Hardened stainless-steel depth rod
- Sharp, black graduations on satin chrome finish bar
- Laser etching on the vernier plate and bar guarantees an easy-to-read caliper
- Beryllium copper gib in the slide assembly and polished bar guarantees smooth operation
- Supplied in plastic case with foam insert



MCAL6A



MCAL12A



PMF147A

Calipers (Blue-Point®)

MCAL6A Electronic Digital Caliper
- Range is 0"–6" (0 mm–150 mm) in 0.0005" (0.01 mm) resolutions
- Use for inside, outside, depth and step measurements
- Inch/metric conversion with one button
- Large LCD display
- Hardened stainless-steel frame

MCAL12A Electronic Digital Caliper *(Blue-Point)*
- Essential tool for working on larger vehicles, trucks, tractors and earth moving equipment
- Range is 0"–12" (0 mm–305 mm) in 0.0005" (0.01 mm) resolutions
- Use for inside, outside, depth and step measurements
- Inch/metric conversion with one button
- Large LCD display with floating zero set
- Locking nut and thumb roll for smooth action

PMF147A US/Metric Dial Type Caliper
- Range is 0"–6" (0 mm–150 mm) in 0.001" (0.1 mm) increments
- Includes storage case

Dial Test Indicator Sets

GA3400 Universal Dial Test Indicator Set
- Small dial indicator set
- .200" range with .001" graduations
- Easy-to-read white on black dial face
- Traditional fixed clamp-style attachment
- Excellent choice for machining applications

GA3640 Long Range Dial Test Indicator Set

GA3645 Long Range Dial Test Indicator Set

GA3634 Ball Joint/Disc Brake Test Indicator Set
- All purpose indicator sets
- Perfect for general use
- Indicator with 0"–1" range and .0005" graduations
- Easy-to-read white on black dial face
- GA3640 uses a fixed magnetic base
- GA3645 uses a conforming magnetic base for more mounting options
- GA3634 uses locking pliers and a flexible gooseneck for non-magnetic applications and difficult areas
- Ideal for brake and undercar work

GA3450 Universal Pinion Depth Gauge
- Rear pinion depth gauge
- Accurate pinion depth setup for vehicles up to 1 ton
- Premeasure pinion depth to use with OEM gear sets



GA3400



GA3640



GA3645



GA3634



GA3450

Dial Test Indicator Set Specifications

Stock No.	Range	Graduations	Reading
GA3400	.200"	.001"	0–100
GA3640	1.00"	.0005"	0–50
GA3645	1.00"	.0005"	0–50
GA3634	1.00"	.0005"	0–50
GA3450	0.00"–4.00"	.0005"	0–50

Contact Points and Extensions

GA3601 Dial Indicator Extension
- Use with GA3400, GA3634, GA3640 and GA3645 dial test indicators
- 4–48 female thread allows the extension of any contact point for special applications
- 6" long

GA3609 Contact Point Set
- Use with GA3400, GA3634, GA3640 and GA3645 dial test indicators
- 4–48 female thread allows the extension of any contact point for special applications
- Extensions can be joined together to extend reach
- Contact points feature a polished tip with radius end and are manufactured from hardened steel
- Includes four 1" extensions, four contact points (0.2", 0.4", 0.6" and 0.8") plus holder for set components



GA3601



GA3609

WARNING • Read safety precautions on pages W1 to W4

MEASURING: DIAL TEST INDICATOR GAUGES



GA1UD



GA1D



GA1FPMB



GA3JAMB

Dial Gauges

Graduations .001" and Reading 0–100

GA1UD Universal Back Plunger Dial Indicator

- Range .200"
- Accurate, reliable and simple to operate
- Rugged, with few moving parts
- Smooth in operation
- Indicator with three contact points and adaptor
- Shank diameter is 1/4" (6.3 mm)
- Knurled bezel

GA1D Dial Indicator

- Range 1.000"
- Dial Indicator has shockless, hardened steel gear train and jewel bearings
- Massive bridge for rigid bearing support
- Unbreakable crystal
- Rugged simple unit construction with a “universally fitting” design
- Hardened stainless-steel stem, gears and pinions
- Sharp bezel serrations for positive grip

GA1FPMB Flex-O-Post Magnetic Base

- Complete assembly is for use with all test, back-plunger, AGD, dial and miniature dial indicators
- The flexible post is an assembly of short tubular steel sections and precision ball joints, linked by an internal steel cable
- The indicator snug on the end of the post can be rotated through 360° and locked in any position
- This makes it possible to use indicators in awkward places that are hard to reach with conventional holding devices
- Assembled to the magnetic base, the post has a vertical reach of approximately 15" (380 mm) and a horizontal reach of approximately 10" (250 mm)
- The base has three precision-ground magnetic contact surfaces
- V-step holds base to arbors, shafts, chucks

GA3JAMB Triple Joint Arm Magnetic Base

- This versatile indicator holder has three pivots available for positioning the indicator where needed
- All pivots are controlled by one tightening knob
- Works with any indicator with a 3/8" (9.5 mm) stem, standard dovetail mount, body clamp or with a 1/4" (6.3 mm) or 3/16" (4.7 mm) shank
- The working area is within a hemisphere having a radius of approximately 12" (300 mm)
- The very sensitive fine-adjustment is located on the magnetic base to eliminate indicator deflection when it is being adjusted



CM6416

Magnetic Base

CM6416 Holder (Blue-Point®)

- Magnet has on/off switch
- Base is 2 3/8" x 1 7/8" x 2 1/2"
- Post 7" x 15/16"; Rod 6" x 25/64"
- Will grip flat or curved metal surfaces

LEVELS AND FEELER GAUGES



YA328A



TL900L

YA328A Angle Locator

- Ideal for checking drive shaft angle
- Red degree indicator located behind numbers for exact reading of graduations
- Fractional and metric scales molded into base of tool in 1/8" and centimeters
- Large 1 7/8" x 7/8" magnet in base for secure retention

TL900L 9" Aluminum Lighted Level *(Blue-Point)*

- Lighted level for more accurate readings under all conditions
- Machined Billet Aluminum for added durability
- Rare earth magnets attach to ferrous surfaces
- 45°, 90° and 180° scales for flexibility
- Uses two AAA alkaline cells (included)
- Auto shutoff feature after ten minutes extends battery life



FB310B



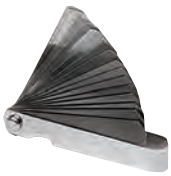
FB325A



FB335



FBL325A



FBM320



FB31S

General Use

Stock No.	No. of Blades	Blade Dimensions, inches	Blade Size	Increments	Description
FB310B	13	1/2 x 3	.001", .0015", .002"–.008", .010", .012", .013", .015"	—	Double stamped with US and metric sizes
FB325A	25	1/2 x 3	.0015", .002"–.025"	.001"	Double stamped with US and metric sizes
FB335	35	1/2 x 3	.0015", .002"–.035"	.001"	Swedish feeler blade steel
FBL325A	25	1/2 x 12	.0015", .002"–.021", .025", 027", .030", .040	.001"	Long blade, double stamped with US and metric sizes
FBM320	20	1/2 x 3	.05 mm–1 mm	.05 mm	Metric Feeler Gauge Set
FB31S	31	1/2 x 3	.0015"–.035"	—	General use thickness gauge



FB316B



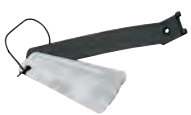
FB326B

Ignition

Stock No.	No. of Blades	Blade Dimensions, inches	Blade Size	Increments	Description
FB316B	18	1/4 x 1 3/4	.010", .012", .013", .015"–.022", .024"–.026", .028", .030", .032", .035"	.001"	Short Blade, Ignition/Spark Plug Gauge Set
FB326B	26	1/2 x 3	.008", .010", .012", .013", .015", 017", .018", .020", .022", .024"–.026", .028", .030", .032", .035"	.001"	Double stamped with US and metric sizes



FB300A



FB308D



FB322



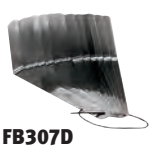
FB328A



FBM322

Bent and Step Blades

Stock No.	No. of Blades	Blade Dimensions, inches	Blade Size	Increments	Description
FB300A	25	1/2 x 3	.006"–.030"	.001"	Feeler Gauge Set
FB308D	12	1/2 x 3	.008"–.010", .011"–.013", .013"–.015", .014"–.016", .015"–.017", .017"–.019", .018"–.020", .020"–.022", .023"–.025", .025"–.027", .026"–.028", .028"–.030"	.001"	Step Feeler Gauge Set
FB322	22	1/2 x 3 3/8	.004"–.006",.025"–.027"	.001"	"Go-No" blades with 2 sizes each.
FB328A	2	1/2 x 3	.011"–.013", .013"–.015"	—	For valve adjustment on GM® 8.2 L engines, double stamped with US and metric sizes
FBM322	2	1/2 x 3	.20 mm–.30 mm, .40 mm–.50 mm	—	10 3/4" long bent handle.



FB307D

Diesel

Stock No	No. of Blades	Blade Dimensions, inches	Blade Size	Increments	Description
FB307D	14	1/2 x 4 1/2	.008", .011"–.014", .016"– .018", .020", .023"–.025", .027", .029"	.001"	Bent Blade Cummins® Diesel, blade ends are bent at 90° angle: blades are secured on FB307C1 ring

⚠WARNING • Read safety precautions on pages W1 to W4

MEASURING: FEELER/SPARK PLUG GAUGES



FB305A



FB3330



FBP10



FBS5

Specialty Feeler Gauges

Stock No.	No. of Blades	Blade Dimensions, inches	Blade Size	Increments	Description
FB305A	6	1/2 x 3	.006", .008", .010", .012", .014", .016"	.002"	Non-magnetic, double stamped fractional and metric sizes
FB3330	25	1/2 x 4	.010", .012", .014", .016", .018", .020", .022", .024", .027", .030"	.001"	Double stamped with fractional and metric sizes

FB3330 Easy Grip Feeler Gauge Set
- Double stamped with fractional and metric sizes
- Ten feeler gauges with orange screwdriver-type handles in FB33301 wood box
- Blades feature a 45° offset for use on valve tappets and air gapping applications
- Includes: 25 blades available in all (.006"–.030")

FBP10 Pocket Feeler Blade
- Flat, ramp style feeler gauge handles full range of spark plug gapping requirements from .020"–.080"
- Reverse side has metric scale to 2 mm
- Orange screwdriver-type handle with pocket clip, 5 1/2" length

Feeler/Gap Gauge Set

FBS5 Feeler and Gap Gauge Set
- Five-piece set includes: FB300A bent blade feeler gauge, FB305A non-magnetic feeler gauge, and FB325A general use feeler gauge, plus GA461C and FB360C spark plug gap gauges in the FBS5-1 kit bag



FB301A



FB302A



FB303B



GA461C



FB360C



FB361A

Spark Plug Gauges/Gappers (Blue-Point®)

FB301A Wire Gap for Point Ignition Systems Gauge
- Includes eight wires in sizes .020", .022", .025", .028", .030", .032", .035" and .040" and electrode bender

FB302A Wire Gap for Aircraft, Motorcycle and Small Engines Gauge
- Includes eight wires in sizes .015", .016", .018", .020", .025", .028", .030" and .035" and electrode bender

FB303B Wire Gap for Electronic Ignition Systems Gauge
- Includes six wires in sizes .044", .045", .050", .054", .060" and .080" and electrode bender

GA461C Gap for Point Ignition Systems Gauge
- Includes six wires protruding 1/4" from edge of metal disc
- Wire sizes are .025", .030", .034", .035", .040" and .045"
- Built-in electrode bender
- Double stamped with decimal and metric sizes

FB360C Gap for Electronic Ignition Systems Gauge
- Includes six wire sizes: .040", .044", .045", .050", .060" and .080"
- Double stamped with decimal and metric sizes

FB361A Gapper Gauge
- Pocket size gapper features an inclined ramp for setting gap
- 1 1/2" diameter. Range .020"–.100"
- Double stamped with decimal and metric sizes

Decimal/Metric Conversion Chart

Decimal, inches	Metric, mm	Decimal, inches	Metric, mm	Decimal, inches	Metric, mm	Decimal, inches	Metric, mm	Decimal, inches	Metric, mm	Decimal, inches	Metric, mm
0.0010	0.025	0.007	0.178	0.015	0.381	0.023	0.584	0.031	0.787	0.042	1.067
0.0015	0.038	0.008	0.203	0.016	0.406	0.024	0.610	0.032	0.813	0.044	1.118
0.0020	0.051	0.009	0.229	0.017	0.432	0.025	0.635	0.033	0.838	0.046	1.168
0.0025	0.064	0.010	0.254	0.018	0.457	0.026	0.660	0.034	0.864	0.052	1.321
0.0030	0.076	0.011	0.279	0.019	0.483	0.027	0.686	0.035	0.889	0.054	1.372
0.0040	0.102	0.012	0.305	0.020	0.508	0.028	0.712	0.036	0.914	0.056	1.422
0.0050	0.127	0.013	0.330	0.021	0.533	0.029	0.737	0.038	0.965	0.060	1.524
0.0060	0.150	0.014	0.356	0.022	0.559	0.030	0.762	0.040	1.016	0.080	2.032

Feeler Blades and Holder (Blue-Point®)

FB6B0015 thru FB6B040 (12") Feeler Gauge Blades
Includes 34 blades as follows:

Stock No.	Blade Size	Stock No.	Blade Size	Stock No.	Blade Size	Stock No.	Blade Size
FB6B0015	.0015"	FB6B009	.009"	FB6B018	.018"	FB6B027	.027"
FB6B002	.002"	FB6B010	.010"	FB6B019	.019"	FB6B028	.028"
FB6B0025	.0025"	FB6B011	.011"	FB6B020	.020"	FB6B029	.029"
FB6B003	.003"	FB6B012	.012"	FB6B021	.021"	FB6B030	.030"
FB6B004	.004"	FB6B013	.013"	FB6B022	.022	FB6B032	.032"
FB6B005	.005"	FB6B014	.014"	FB6B023	.023"	FB6B035	.035"
FB6B006	.006"	FB6B015	.015"	FB6B024	.024"	FB6B040	.040"
FB6B007	.007"	FB6B016	.016"	FB6B025	.025"		
FB6B008	.008"	FB6B017	.017"	FB6B026	.026"		



FB6B040

FB312 Feeler Gauge Holder

Thread Identification

T1DG Drill Gauge
- Leaves the right amount of stock for approximately 65% full thread
- Easy-to-read white lettering on matte black finish
- Shows correct drill body size
- 60 holes with number sizes and decimal equivalents
- Made of hardened steel to resist wear
- Tested for accuracy and hardening

T27GS SAE Thread Gauge
- 27 leaves – 1/4-28 TPI

T28GM Metric Thread Gauge
- 28 leaves – .25 mm–2.5 mm
- Quickly determine the pitch of various threads
- Leaves on most gauges have a special narrow design, permitting checking of internal threads as well as external threads
- Clearly graduated on polished finish
- Locking device

T60K Thread Measurement Kit
- Drill gauge with both fractional and metric thread pitch gauges in one kit
- Drill Gauge provides correct sizing of a tap drill for any commonly sized machine screw tap in “NF” National Fine or “NC” National Coarse Thread Series. Nos. 1–60 and .228"–.040"
- Leaves on most gauges have a special narrow design, permitting checking of internal threads and external threads
- Leaves the right amount of stock for approximately 65% full thread
- Easy-to-read white lettering on matte black finish
- Shows correct drill body size
- 60 holes with number sizes and decimal equivalents
- Made of hardened steel to resist wear
- Tested for accuracy and hardening
- Clearly graduated on polished finish
- Locking device
- Fits in your pocket
- Packaged in red plastic box with foam insert



T60K



COMBOSQ3



SQUAREB12



SQUARECOMB12

Measuring Sets

COMBOSQ3 Combination Square
- Includes reversible lock bolt, scriber, spirit level in both square head and protractor head
- Direct reading double 180° protractor
- Forged and hardened steel heads with smooth black enamel finish
- Spring-tempered steel blade
- Blade has non-glare satin chrome finish
- Blade has deep, black filled, chemical machined graduations that will last a lifetime
- Supplied in protective plastic case with foam insert

SQUAREB12 Machinist’s Measuring Set
- Includes SQUAREB90 sliding head and RULER12BSQ steel rule in fitted storage case

SQUARECOMB12 Combination Measuring Set
- Includes SQUAREB180 protractor, RULER12BSQ steel rule plus SQUAREB90 and SQUAREB45 sliding heads in fitted storage case

SQUAREB90 Sliding Head (90°)
- 90° square head with bubble level and scriber points

SQUAREB180 Protractor Head (180°)
- Protractor is graduated 180° in both directions
- Includes bubble level

RULER12BSQ Steel Rule (12")
- Precision ground and hardened steel blade for greater accuracy
- Graduated in 1/8" and 1/16" increments on one side and 1/32" and 1/64" increments on the other

SQUAREB45 Sliding Head (45°)
- Center head for 45° angles only

WARNING • Read safety precautions on pages W1 to W4

MEASURING: STRAIGHT EDGES AND STEEL RULES



GA438A

Precision Straight Edges

- Use with feeler gauges to check for distortion in engine blocks, cylinder heads, flywheels, main bearing saddles, cam bearing saddles, cam covers and bell housings
- Precision working edge ground to within .0002" per 12" in length
- Great stability with 1/4" thickness and 1 1/2" width
- Convenient hanging hole and edge protector

GA435 Precision Straight Edge
18" long.

GA438A Precision Straight Edge
24" long.

GA535 Precision Straight Edge
35" long.



RULER6



RULER12



RULER120



RULER600



RULER601



RULER602

Steel Rules

RULER6 Steel Rule, 6"
- Graduations in 8ths, 16ths, 32nds, 64ths
- Spring-tempered steel
- Non-glare satin chrome finish
- Deep, black filled, chemical machined graduations that will last a lifetime
- Quick reading, end graduations
- Burr-free

RULER12 Steel Rule, 12"
- Graduations in 8ths, 16ths, 32nds, 64ths
- Spring-tempered steel
- Non-glare satin chrome finish
- Deep, black filled, chemical machined graduations that will last a lifetime
- Quick reading, end graduations
- Burr-free

RULER120 US/Metric Steel Rule
- 12" stainless-steel rule
- 1/32" increments for first 3", 1/16" increments for last 9"
- Metric edge is etched with mm and cm increments

RULER600 Steel Rule
- 6" stainless-steel rule
- Graduated in 1/32" and 1/64" increments

RULER601 Steel Rule (6")
- 6" stainless-steel rule
- Graduated in 1/10" and 1/50" increments on one side, 1/32" and mm increments on the other

RULER602 US/Metric Pocket Rule (6")
- 6" stainless-steel rule with pocket clip
- 1/32" and 1/64" increments on one side, mm and cm increments on the other

TAPE RULES



TPMA10



TPMA12



TPMA25



TPMAM5



TPMA25EM



TPM100

Auto-Retracting Tape Rules

TPMA10 Tape Rule (10')
1/2" x 10' tape. Includes inch/metric scale with fractions.

TPMA12 Tape Rule (12')
3/4" x 12' tape. Includes inch scale with 16" stud markings.

TPMA25 Tape Rule (25')
1" x 25' tape. Includes inch scale with 16" stud markings.

TPMAM5 Tape Rule (5 m)
19 mm x 5 m tape. Includes metric scale.

TPMA25EM Tape Rule (25')
1" x 25'/7 m tape. Includes inch/metric scale with fractions.

Steel Housing Tape Rule

TPM100 Tape Rule (Blue-Point®)
- Includes inch/metric scale
- Quick rewind design for ease of use
- Rewinding lever conveniently stored in housing
- Nonslip grip provides confidence and comfort

LED Lighted Magnetic Pick-up Tools (Blue-Point®)

UPT1LT LED Magnetic Pick-up Tool
- Steel magnetic head lifts 8 lb and will not attach to unwanted metal surfaces
- Telescopes from 6 3/4 –27 3/4"

UPT2LT LED Magnetic Pick-up Tool
- Rotating magnetic heads lift up to 8 lb
- Telescopes from 8"–32 3/4"

UPTLP2 Pen Light Pick-up Tool
- Newly designed steel magnetic head lifts 8 lb and shields the sides from attaching to unwanted metal surfaces
- LED light illuminates dark areas
- Stainless-steel handle telescopes from 8"–32 3/4"



UPT1LT



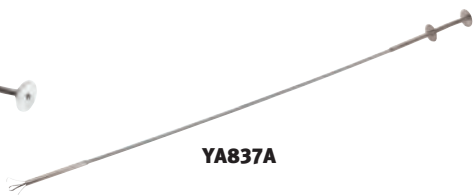
UPT2LT



UPTLP2



GA265A



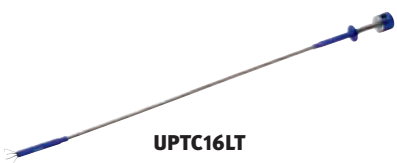
YA837A



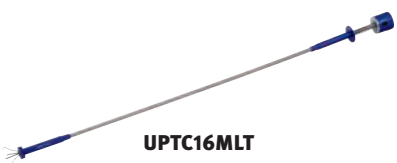
GA353B



DPTC24



UPTC16LT



UPTC16MLT

Claws (Flexible) *(Blue-Point)*

Stock No.	No. of Claws	Max. Jaw Opening, inches	Flexible Section Length, inches	Overall Length, inches
GA265A	2	1	8	17 3/4
YA837A	4	3/4	16	23 1/2
GA353B	4	1	8	17 1/2
DPTC24	4	1 1/4	24	24 1/2
UPTC16LT	4	1	16 3/4	26
UPTC16MLT*	4	1	16 3/4	25 11/16

*Lighted

UPTC16MLT Lighted Flexible Spring Claw
- Magnet able to pick up a maximum of 5 lb
- Four-jaw claw opens wide to secure hard-to-reach objects
- Heavy duty aluminum plunger with convenient side switch turns on/off bright LED light as needed
- Tightly wound, flexible spring snakes into tight areas
- Comes with two round CR2032 lithium batteries
- 25 11/16" long

WARNING • Read safety precautions on pages W1 to W4

MIRRORS/PICK-UP TOOLS Blue-Point®


PTS5


PT28E


PTIM5


PT30C


PT5C


UPT15


PT5CBL


UPT35


PHT5


UPT50A


PHT5RD


UPT65


PT7B


US225


ECFM20


DPTM24


PT40B


UPT2FL


PT10C

Magnetic

PTS5 Magnetic Pick-Up Tool/ Scribe
- Magnet in one end and a replaceable carbide steel scribe tip at the other
- 5" long, do not use as a pry bar or punch
- Includes pocket clip

PTIM5 Pick-Up and Inspection Tool
- Magnet end lifts 1 1/2 lb
- Length is 26 3/4" extended, closes to 5 7/8"
- Mirror end is 1 1/4" in diameter
- Includes pocket clip

PT5C Telescopic Magnetic Pick-Up Tool
- 5 7/8" extends to 25 9/16"
- Chrome finish
- Magnet lifts up to 2 lb
- Includes pocket clip

PT5CBL Telescopic Magnetic Pick-Up Tool (Blue)

PHT5 Magnetic Pick-Up Tool
- Lifts 2 1/2 lb
- Chrome plated shaft extends from 5 1/2"–25 1/2"
- Powercap® shields sides of magnet for focused lifting
- Black cushion grip will not slip in oily or wet hands

PHT5RD Magnetic Pick-up Tool (Red)
- Tool lifts 2 1/2 lb
- Telescopes from 5 1/2"–25 1/4"
- *Powercap* shields sides of magnet for focused lifting

PHT5BL Magnetic Pick-up Tool (Blue)

PHT5GR Magnetic Pick-up Tool (Neon Green)

PHT5OR Magnetic Pick-up Tool (Orange)

PT7B Magnetic Pick-Up Tool
- Lifts 1 lb, 6" long

ECFM20 Flexible Magnetic Pick-Up Tool
- 18" (457.2 mm) flexible shaft gets in tight places
- Long lasting, bright LED light source
- Anodized aluminum housing for lightweight and resistance to corrosion
- Powerful neodymium magnet lifts 1.1 lb (0.5 kg)
- Powered by three "N" alkaline 1.5V batteries (included)

PT40B Flexible Magnetic Pick-Up Tool
- Magnet lifts 3 1/2 lb
- Length is 21", including a 14" flexible section

PT10C Pick-Up Tool
- Lifts 1 lb, 8 5/8" long

PT28E Pick-Up Tool
- Lifts 2 lb
- 16 3/4" long and extends to 26 3/4"
- Aluminum head
- Probe O.D. is 1/2"

PT30C Pick-Up Tool
- Lifts 6 1/2 lb
- 17" long and extends to 27 1/8"

UPT15 Telescoping Magnetic Pick-Up Tool
- Lifts 2 lb
- 6 5/8" long and extends to 33 1/4"

UPT35 Telescoping Magnetic Pick-Up Tool
- Lifts 4 1/2 lb
- 6 5/8" long and extends to 33 1/4"

UPT50A Telescoping Magnetic Pick-Up Tool
- Lifts 10 lb
- 6 5/8" long and extends to 33 1/4"

UPT65 Telescoping Magnetic Pick-Up Tool
- Goblet shaped magnetic head directs the flux to the front of the magnet to lift 16 lb
- Head shields the sides of the magnet from attaching to unwanted ferrous surfaces
- Telescopes from 9"–34 1/4"

UPTM65K Magnetic Inspection Kit
- Includes UPT65 pick-up tool and US225 inspection mirror in vinyl pouch

US225 Inspection Mirror
- Attaches to UPT65 pick-up tool
- Dual ball adjustment provides 2 1/4" diameter infinite positioning

DPTM24 Flexible Magnetic Pick-Up Tool
- When retracted, magnet will not adhere to untargeted ferrous metals
- Depress plunger to expose magnet from shroud and grab desired object
- 24" flexible shaft easily maneuvers through tight spots
- Cushion grip handle provides comfort and control

UPT2FL Flexible Magnetic Pick-Up Tool
- 29" aluminum shaft can be easily bent at any angle
- *Powercap* slides over the magnet and shields its sides from attaching to unwanted metal surfaces
- Will pick up 5 lb with power cap

Hinged Mirrors

UIM2FL Flexible Inspection Mirror
- 32" aluminum shaft can easily be bent to any angle
- 2 1/4" mirror is encased in a rugged stainless-steel head
- All-angle ball joint holds mirror head tightly at any angle
- Textured cushion grip will not slip in wet or oily hands

GA294 Rectangular Mirror
- Double ball joints allow mirror to swivel 360°
- Electrolytic plated copper backing
- Non-rotating telescoping rods
- Vinyl grip
- 2 1/8" x 3 1/2" mirror
- Closed length is 11 1/4"; extended length is 15 1/4"

GA295 Round Mirror
Similar to GA294 except with a 2 1/4" diameter mirror. Closed length is 10"; extended length is 14".


UIM2FL


GA294


GA295


GA51B


GA52B


GA53A

Stock No.	Overall Length, inches	Mirror Size, inches	Glass Replacement Mirror	Plastic Replacement Mirror
GA51B	16 1/2	1 11/16 x 2 9/16	GA51B1	GA51B1P
GA52B	11	1 3/16 x 1 1/2	GA52B1	–
GA53A	16 1/2	2 5/16 x 3 3/8	GA53A1	GA53A1P

Pocket Mirrors

PTM143 Round Pocket Mirror
Handle extends from 4 1/2"–17". 1 1/4" in diameter. Hinge mechanism allows 360° adjustment. Includes pocket clip.


PTM143

CF143MA Round Pocket Magnifying Mirror
Handle extends from 4 1/2"–17". 1 1/4" in diameter. Hinge mechanism allows. Includes pocket clip. 360° adjustment.

PTM147 Round Pocket Mirror
Handle extends from 4 1/2"–17". 3/4" in diameter. Hinge mechanism allows 360° adjustment. Includes pocket clip.

PTM157 Oval Pocket Mirror
Handle extends from 4 1/2"–17". 1" x 2" oval. Hinge mechanism allows 360° adjustment. Includes pocket clip.


PTM157

Lighted Mirrors

YA5160A Lighted Adjustable Mirror
- Mirror size is 1 1/8" x 2 1/8" with 1x magnification
- Thumb wheel adjustment on handle
- Light at base of 18" long flexible handle powered by two (AA) batteries (included)


YA5160A

YA51601 Replacement Mirror
YA51602 Replacement Mirror
YA5160A3 Replacement Bulb

Telescoping Mirrors

UIM125 Telescoping Inspection Mirror
1 1/4" diameter mirror. 6 1/2" long and extends to 35".

UIM225 Telescoping Inspection Mirror
2 1/4" diameter mirror. 6 1/2" long and extends to 35".


UIM225

UIM225RD Telescoping Inspection Mirror
Same as UIM225 but with red handle.

UIM225GR Telescoping Inspection Mirror
Same as UIM225 but with green handle.

UIM225OR Telescoping Inspection Mirror
Same as UIM225 but with orange handle.

UIM325 Telescoping Inspection Mirror
3 1/4" diameter mirror. 6 1/2" long and extends to 29 1/2".


TKSS01MIR

TKSS01MIR Telescoping Hinged Steel Mirror
- Steel mirror will not shatter if dropped
- Hinged for accurate positioning, telescopes from 7" to 28 1/2" (177.8mm–723.9 mm)
- Mirror surface is 3.12" x 2" (79.4 mm x 50.8 mm)
- In retracted position, it will easily fit in shirt pocket

UIM2LM Magnifying Inspection Mirror
- Stainless-steel handle telescopes from 11 1/2" –51 1/2"
- 2 1/4" magnifying mirror enlarges viewing area
- All-angle ball joint holds mirror head tightly at any angle


UIM2LM

UIM2NR No Swivel Rectangular Telescoping Mirror
- All-angle ball joint holds mirror head firmly at any angle
- Stainless-steel handle is long, strong and lightweight
- Heavy duty grip will not slip in wet or oily hands
- Adjusts from 6–3/4" to 29–3/4"
- 2 9/16" x 3 3/4" rectangular head


UIM2NR

MIRRORS/PICK-UP TOOLS: MIRRORS



UIM1LT



UIM2LT



UIM3LT



UIM2RSLT

LED Telescoping Mirrors (Blue-Point®)

UIM1LT Lighted Inspection Mirror
Telescopes from 6 3/4"–35 1/2". Mirror is 1 3/8" diameter.

UIM2LT Lighted Inspection Mirror
Telescopes from 6 3/4"–37". Mirror is 2 3/8" diameter.

UIM3LT Lighted Inspection Mirror
Telescopes from 6 3/4"–30 1/4". Mirror is 3 3/8" diameter.

UIM2RSLT LED Lighted Inspection Mirror
Telescopes from 6 3/4"–30" for fast, accurate inspections. Mirror is 3 1/4" x 1 1/8".

BRAKE SERVICE TOOLS



YA4000B

Vacuum Pressure Pump Kit *(Blue-Point)*

YA4000B Automotive Test Kit
- Produces vacuum or pressure at the turn of a switch
- Comfortable ergonomic design
- One-finger trigger vacuum/pressure release
- Durable, accurate diaphragm type pressure/vacuum gauge
- Handheld vacuum/pressure pump with 2" compound gauge and rubber boot
- 12 oz fluid reservoir bottle with fluid transfer and storage lids plus fluid pick-up tube
- Kit contains multiple accessories as shown, including tapered manifold plugs, vacuum caps and bleed screw adaptors
- Master cylinder refill kit

Applications:
Vacuum and pressure related engine performance diagnostics and tune-ups; brake bleeding; fluid transfer, evacuation and sampling.

YA4008 Power Steering Adaptor Kit
- Bleeds trapped air from power steering systems by drawing a vacuum through the reservoir fill neck
- Can also be used to test leaks by placing the system under a vacuum and observing change in gage reading
- Each adapter is designed to fit snugly in the neck of the power steering reservoir to form an air-tight seal when vacuum is applied
- External vacuum source such as the YA4000B hand vacuum pump is required (sold separately)
- Includes four adaptors: YA4008-1 (Ford®), YA4008-2 (GM®), YA4008-3 (universal) and YA4008-4 (right angle)

Carbide Insert Bit Kits



BTK10A

BDT063-10 Negative Rake Carbide Bits – 10 Pack
- Use for EEBR309A, EEBR312A and Ammco® brake lathes

BDT103-06 Positive Rake Carbide Bits – 6 Pack
- Use for EEBR310A, EEBR312A and *Ammco* brake lathes

BDT385-06 Carbide Bits

BDT060-10 Positive Rake Carbide Bits – 10 Pack
- Use for Accu-Turn® brake lathes

BDT066-10 Positive Rake Carbide Round Tool Bits – 10 Pack
- Round tool bits for AMMCO940630 tool holder

BDT428 Positive Rake Round Tool Holder Set
- RH and LH used with EEBR308A, EEBR309A and EEBR312A for AMMCO940610 tool bits

BTA10 Carbide Bits
- For *Ammco* models 3000, 4000, 4100, 6900, 7000 and 7700

BTF10 Carbide Bits
- For all FMC lathes

BTK10A Carbide Bits
- For all Kwik-Way® lathes as well as older Snap-on® lathe models (YA282, YA278A and YA277 Series)



BDT80

Silencers

BDT80 Silencer Band
- For passenger car/light truck drums
- 1 3/4"

BDT69 Silencer Band
- For ventilated rotors

BDT96-2 Silencer Band
- For non-vented rotors 6 1/2" diameter
- Package of two

BDT94-2 Silencer Band
- For non-vented rotors 9 1/4" diameter
- Package of two

BDT980 Spring Silencer Assembly
- For ventilated rotors

BRAKE: BLEEDER KITS

Vacuum Type Brake Bleeders



BB9018

BB9018 Vacuum Brake Bleeder
- Fast efficient, one person vacuum bleeding
- Works with all braking systems
- Large 3 pint (1.5 liter) container
- Generates 25 in Hg vacuum with air pressure of 100 PSI
- Specially formulated seals allow unit to be used with a variety of fluids
- On/Off valve and Flow Regulator
- Unit can be sealed when not in use to prevent spillage
- Quick release, locking trigger and safety shutoff valve
- Overfill check valve
- Compact design – fits under wheel well
- 19 1/2" (500 mm) suction hose
- Universal brake screw fitting



BB9008

BB9008KIT Brake Bleeder Kit
- Includes: BB9008 vacuum brake bleeder and BB5002A auto refiller bottle

BB9008 Vacuum Brake Bleeder
- Same as BB9018 except container is 800 mL capacity

BB9008KIT Brake Bleeder Kit
- Includes: BB9008 vacuum brake bleeder and BB5002A auto refiller bottle



BB5002A

BB5002A Auto Refiller Bottle
- Automatically keeps reservoir filled to the correct level
- 20 fluid oz (592 mL) container
- Retaining clip for positive attachment
- Compact design fits under hood
- Positive venting system supplies continuous flow
- Fits virtually all master cylinder reservoirs: can be sealed when not in use to prevent spillage
- On/Off valve

WARNING
• Follow all safety messages in instructions
• Read safety precautions on pages W1 to W4

BRAKE: BLEEDER KITS



BB300B19



BB300B22A



BB300B26G



BB300B29G



BB300B39GC



BB300B41-G9



BB300B47G

Diaphragm Type Brake Bleeder Adaptors (Blue-Point®)

Stock No.	Description
BB300B19	VW® Adaptor (Water Cooled)
BB300B20	Dual Bleeding Attachment
BB300B21	Pop-off Valve
BB300B22A	Adaptor Set (7pc)
BB300B26G	Universal Brake Bleeder Adaptor
BB300B29G	3 1/4" Universal Round Adaptor
BB300B35G	Universal Adaptor
BB300B36G	GM® Dual Reservoir Adaptor
BB300B39GC	*GM*/Chrysler® Plastic Reservoir Adaptor
BB300B41-G9	Universal Rectangular Adaptor
BB300B42G	Universal Adaptor
BB300B45-G9	Universal Round Adaptor
BB300B47G	*Chrysler* Adaptor



BB100C



YA8925

Non-Diaphragm Type Brake Bleeder

BB100C Non-Diaphragm Type Brake Bleeder

- 1 gallon capacity
- Self-contained, hand-pressurized pump
- More than 10' of hose with shutoff, pressure gauge and quick coupler
- Uses the BB300B Brake Bleeder Adaptors (optional)
- Use only D.O.T. 3 or D.O.T. 4 automotive brake fluid

Master Cylinder Pressure Cap

YA8925 Master Cylinder Pressure Cap

- M45 x 3.50 thread adapts to fluid reservoir and 1/4"-18 and 3.5 mm thread for pressure bleeder
- For Mercedes®, BMW®, Audi® and Porsche®



BT27



BT11



131A



S6118A



BT19A



B1356E



BT15



BT17A



BT10



BT20

Brake Spring Tools

BT27 Single Spring Brake Tool (GM®) (Blue-Point®)
- Tool releases tension on both large and small *GM* single brake springs during servicing

Large Spring Applications:
2005 and later Chevrolet® Silverado®, 2004 and later *Chevrolet* Colorado®.

Small Spring Applications:
1991 and later *GM* H body (Bonneville®, LeSabre and Delta 88), 1992 and later GM C and U body (Buick® Electra, Olds 88, Cadillac® Fleetwood and DeVille®, Chevy® Lumina APV, Pontiac® Tran Sport and Olds Silhouette), and 1995 and later *Chevy* Lumina and *Chevy* Monte Carlo® vehicles.

BT11 Brake Spring Tool
- Services Bendix® brake springs and any spring attached to post
- Socket end removes; hook end replaces
- 9 3/4" long

131A Brake Spring Pliers
- Removes or replaces Bendix®, Lockheed® and other hydraulic and mechanical brake springs
- Steel hook on jaw is replaceable
- Handles provide socket type spring remover and hook end replacer
- 13 1/4" long

31-3B Replacement Hook
- Replacement hook for 131A brake spring pliers

S6118A Spring Cap Socket
- 1/4" drive double-ended socket designed for subcompact brake spring on one end and larger US cars and light trucks on the other
- Industrial finish
- Use with TM4B driver

BT19A Heavy Duty Brake Spring Tool *(Blue-Point)*
- Heavy duty design
- Remove or install import and US brake springs with or without anchor pins
- Maximum wire I.D. is 1/4", overall length is 8 7/8"

B1356E Brake Retainer Spring Tool
- For use on 3/4" retainer spring caps found on most newer vehicles

BT15 Remover
- For removing brake springs on full-size cars and pickups with drum-style brakes
- Industrial finish
- 8 15/16" long

BT17A Retainer Spring Tool
- For use on 5/8" diameter retainer springs found on most newer vehicles
- Industrial finish
- 8 15/16" long

BT10 T-Handle Brake Spring Tool
- Easily relieves tension on single spring brakes for GM vehicles
- Offers an easy way to remove single brake springs, so that brake shoes, emergency brake cables or brake cylinder can be serviced
- Hook grabs the spring while the tool point acts as a fulcrum to pry the spring free

BT20 Brake Spring Tool for Toyota® vehicles
- Special tip is designed to engage the shoe hold-down spring cup on *Toyota* vehicles
- For rear parking brake springs on 2000 – current Tacoma®, Tundra®, FJ Cruiser®, 4Runner®, Land Cruiser® and Camry®

⚠WARNING • Read safety precautions on pages W1 to W4

BRAKE: SERVICE TOOLS



BCS70A

General Service Sets

Stock No.	Description
FA8E	1/4" Hex Driver
FA10E	5/16" Hex Driver
FA12E	3/8" Hex Driver
FAM8E	8 mm Hex Driver
FTX40E	T40 TORX® Driver
FTXB45E	T45 *TORX* Driver
FTXB50E	T50 *TORX* Driver



BTK5

Stock No.	Description
131A	Spring Pliers
B1461	Adjusting Tool
S6110A	Bleeder Wrench
S6118A	Spring Cap Socket
SGT4BR	1/4" Dr. Standard Shank Driver



BTK7A

Stock No.	Description
B1356E	Spring Tool
B1458C	Bleeder Wrench
B1461	Adjusting Tool
B3404B	Adjusting Tool
BT11	Services Bendix® brake springs
S6112	Bleeder Wrench
B1467A	Bleeder Wrench



RM130

Disc Brake Gauge and Micrometer

RM130 Rotor Micrometer (Blue-Point®)
- Range of .30"–1.3" in .001" graduations
- 3 1/2" deep frame
- Pointed anvil for checking grooves
- Includes 1" checking standard and storage case

BCS70A Disc Brake Caliper Driver Set
- For US vehicles (except Chrysler®)
- 7pc

BTK5 General Brake Service Set
- 5pc

BTK7A General Brake Service Set
- 7pc



GA3634



DG530

RG430

Disc Brake Gauges and Micrometers

GA3634 Ball Joint/Disc Brake Test Indicator Set
- All purpose indicator set
- Perfect for general use
- Indicator with 0"–1" range and .0005" graduations
- Easy-to-read white on black dial face
- Uses locking pliers and a flexible gooseneck for non-magnetic applications and difficult areas
- Ideal for brake and undercar work

CM6563450 Plastic Case
For GA3634

Brake Drum/Rotor Gauges *(Blue-Point)*

DG530 Digital Drum Gauge
- Measures automotive and heavy duty brake drums
- Pointed anvils and 4 1/4" long arms allow increased measurement accuracy and coverage
- Selectable depth stops for easier use
- Range 6"–20.65" (150 mm–515 mm): graduations are .0005" (.01 mm)

RG430 Digital Rotor Gauge
- Measures brake rotors and ball joints
- Pointed anvil and 3 1/2" long arms for increased measurement accuracy and coverage
- Selectable depth stops for easy use
- Range 0"–5.50" (0 mm–140 mm): graduations are .0005" (.01 mm)


S9523


B1468


BT4651


HSA716


BSA916


S9153B


B1462A


B3404B


B1461


S5912


S6004

Truck Brake Adjusting Tools

S9523 Brake Adjuster
- Star nut turning tool for Chevrolet® trucks with overload springs
- Different angles at each end of tool for clearance
- Blades are 17/32" wide: tool is 5 1/4" long

B1468 Brake Adjuster
- For use on GMC® and *Chevrolet* 1 1/2 and 2 ton trucks
- Tips on each end are bent 45° and then twisted 45° to allow access to brake-adjusting mechanism
- 9 1/4" long

BT4651 Heavy Truck Slack Adjuster Set
- 5/16" double square configuration
- Automatic slack adjuster tool set includes offset, reversible automatic release tool
- Release tool slides under the button of the pull-pawl on the automatic slack adjuster until fully seated while the wrench is used to adjust the brake-to-drum clearance
- Screwdriver handle for performance and comfort

HSA716 Slack Adjuster Wrench
- For brake service and slack adjuster installation on heavy duty trucks equipped with Haldex® automatic slack adjusters
- Use to turn the manual adjuster hex
- Extra deep 7/16" hex allows reach to recessed adjusters
- 14 5/8" overall length helps to overcome the anti-reverse mechanism
- Turn over to reverse
- Includes protective vinyl boot

BSA916 Slack Adjuster Wrench
- For brake service and slack adjuster installation on heavy duty trucks equipped with Bendix® automatic slack adjusters
- Use to turn the manual adjuster hex
- Extra deep 9/16" hex allows reach to recessed adjusters
- 14 1/2" overall length helps to overcome the anti-reverse mechanism
- Turn over to reverse
- Includes protective vinyl boot

Automotive Brake Adjusting Tools

S9153B Brake Adjuster
- Designed to work around obstructions on GM® vehicles
- Blades are 1/2" wide; tool is 7 7/8" long

B1462A Brake Adaptor
- For rear brakes of those cars and trucks with trailing arm bolts
- Tang at each end is set at 68°, but in opposite directions for use on left and right hand sides
- 8 1/2" long

B3404B Brake Adjuster
- For *Bendix* self-adjusting brakes and other brakes with star adjusting nut (except *Chevrolet*)
- Blades are 17/32" wide with 1/32" tip thickness
- 8 3/16" long

B1461 Brake Adaptor
- One end has a wide tang set at a 29° angle for rear brakes; other end is set at a 45° angle for front brakes
- 8 1/4" long

S5912 Brake Adjuster
- For use on VW®, Mazda®, Omni and Horizon
- Each tang tapers to a 1/4" tip width
- One tang is straight; other is offset 45°
- 8 1/2" long

S6004 Brake Adjuster
- For use on 1969 and later Toyota® when self-adjusting brakes are being dismantled
- One end is offset 15°; other is 60°
- Tapers to 1/4" tips

S6005 Brake Adjuster
- Similar to S6004
- For use on 1969 and later *Toyota* when a complete dismantling of the self-adjusting brakes is required
- One end is angled at 60°; other end features a special offset
- Each tang tapers to a 1/4" tip width
- 5 1/4" long

⚠WARNING
- Do not use "cheater bars" on handles
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

BRAKE: SERVICE TOOLS


FTSM4E


FTSM6E


MPBS1140O


YA8610B

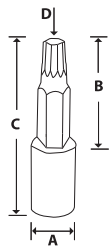

YA2440


GA395


YA9329A


BT350A


BTG8



Disc Brake Tools

Stock No.	Size, mm	Finish	Description	Type	A	B	C	D
FTSM4E	4	Chrome	Standard Length	Triple Square	17.2	21.6	48.5	FTSM4E2
FTSM5E	5	Chrome	Standard Length	Triple Square	17.2	21.6	48.5	FTSM5E2
FTSM6E	6	Chrome	Standard Length	Triple Square	17.2	21.6	48.5	FTSM6E2

FTSM4E Metric Triple Square Driver
Use on VW®/Audi® door handle screws 1998 and later, brake drum fasteners on *VW* Toureg® plus many other 4 mm and 5 mm triple square applications.

FTSM5E Metric Triple Square Driver
Use on *VW/Audi* door handle screws 1998 and later plus many other 4 mm and 5 mm triple square applications. Also use on 2003–2008 Porsche® Cayenne to loosen the cover on the adjustment cable for the emergency brake.

FTSM6E Metric Triple Square Driver
Various applications on European vehicles.

MPBS1140O Prybar/Brake Tool
- Strong 3/8" square alloy steel bar with straight tip
- 11" total length with 40° offset ensures access into tight wheel wells
- Large, comfortable, high visibility orange handle with striker cap allows good grip versus small, hard-to-hold brake adjustment tools
- Ideal for general prybar applications

YA8610B Universal Brake Caliper Tool Set (Blue-Point®)
- Assists in replacement of brake pads on most four-wheel disc brake cars
- Tool and adaptors position brake piston back into caliper to allow clearance for newer, thicker brake pads
- Designed for most *Audi*, Chrysler®, Ford®, GM®, Honda®, Jaguar®, Mazda®, Mini Cooper®, Mitsubishi®, Nissan®, Saturn®, Subaru®, Toyota®, *VW* and Volvo® vehicles
- Set includes one tool and six adaptors in a storage case

YA6730 Brake Caliper Tool Set *(Blue-Point)*
Combines the main body from the YA8610B set and the YA8610B-7 adaptor.

YA8610B-7 Brake Caliper Tool Adaptor
Use on *Mazda* 3 (2004 and later), *Mazda* 5 (2006 and later), *Mini Cooper* (all 2002 and later), *Volvo* S40 (2004 1/2 and later), *Volvo* V50 (2006 and later), *Volvo* C30 (2007 and later), Pontiac® Solstice (2006 and later), *Saturn* Sky (2007 and later) and *Jaguar* X type (2006 and later).

YA2440 Pad Spreader *(Blue-Point)*
For use on most US and import cars and light duty trucks with single piston disc brakes without parking brakes. Compresses the disc brake piston for easy pad installation.

GA395 Spreader *(Blue-Point)*
For standard four-piston caliper disc brakes. Frees hands to assemble caliper over rotor. 6 3/4" long.

YA9329A Piston Rotation Tool *(Blue-Point)*
- Use to rotate piston back into caliper cylinder when replacing pads
- Also rotates parking brake cylinder back into the caliper cylinder on vehicles with four-wheel disc brakes
- For 1975 and later *Ford* and Mercury® plus some import vehicles

BT350A Brake Piston Press *(Blue-Point)*
- Presses single or dual pistons most cars plus light and heavy duty trucks
- Quick and easy to use: no nuts or bolts involved in pressing operations

BTG8 Brake Pad/Shoe Gauge Set *(Blue-Point)*
- Color-coded gauges: Red indicates service required, yellow indicates caution and green indicates OK
- Constructed from 20 gauge sheet metal with durable powder-coat finish


BTCP1


BTCP500


BTCP2S

Disc Brake Tools

BTCP1 Brake Caliper Press (Blue-Point®)
- Works on both fixed and floating calipers
- Generates more than 1,600 ft-lb of force to retract the toughest caliper pistons
- Single-lever mechanism used to apply and release force for ease of operation and faster service
- Prevents damage to pistons, hubs or calipers
- Ensures parallel piston retraction on dual and quad piston calipers
- Easy left- and right-side use

BTCP500 Brake Caliper Press *(Blue-Point)*
- Works on twin and quad piston fixed calipers as well as single and twin piston floating calipers
- Centrally located ratchet evenly spreads force in a parallel manner to prevent misalignment of pistons
- Ratchet technology gives a full 360° swing
- Extended reversing lever allows for easy change from spreading to retracting

BTCP2S Brake Caliper Press
- Services vehicles with single and twin floating, twin piston fixed and quad piston fixed calipers
- High strength, lightweight polymer housing offers high impact resistance
- Large 12 mm (1/2") shaft diameter is heat-treated to prevent distortion or damage under heavy load
- Ensures parallel piston retraction to prevent damage to piston and seal
- Press plates rotate thru 180° for efficient operation on left and right brake calipers
- Drive mechanism manufactured from durable high-grade precision-cast heat-treated material
- Compression ratio of 15 to 1 provides output of 440 lb of force by just applying 28 lb of force with your hand
- Compression plates and guide bushings made from high-grade tool steel, heat-treated to ensure minimal distortion under heavy loads
- Brass inserts prevent damage at heavy load pivot points
- Rubber handle overlays provide operator comfort


B1359B

BT518

BT12


YA9070A

BT1360


BT400


TAP1

Truck Brake Tools

B1359B Brake Retainer Spring Tool
- For Chrysler® and Ford® 3/4 ton trucks equipped with Bendix® brakes
- U-shaped end is offset 30°–45° for easy removal of brake shoe to backing plate spring

BT518 Brake Shoe Tool
- For large trucks and trailers with air brakes with "S" cam design
- Provides leverage to back out brake shoe and remove roller cam
- Industrial finish

BT12 Brake Spring Tool
- Services brake shoe retracting springs on trucks using *Bendix*, Wagner® and Kelsey-Hayes® systems
- Unique shape permits access and leverage

YA9070A Rear Brake Adjusting Tool
- For single-axle Lucas-Girling brakes found on 1984 and later F-600 and larger *Ford* trucks and buses
- Has all the right angles to reach through the backing plate
- Industrial finish

BT1360 Brake Spring Tool
- Remove brake shoe retaining springs from heavy duty *Ford,* GM®, Dodge® and International® trucks
- Large, comfortable handle
- Constructed for strength and durability

Applications: *Ford*: F250®, F350®, P250, P350, P400; *GM*: 1 ton, some 1/2 ton; *Dodge*: B300, D200, D300, P200, P300; *International*: 1200 Series, 1300 Series trucks

BT400 Brake Spring Tool (Heavy Duty) *(Blue-Point)*
- For brake springs on 3/4 ton and heavier trucks
- T-Handle for generating maximum torque when encountering stiff springs
- Head may be rotated 360° to clear obstacles
- Overall length of 7 3/4"

TAP1 Truck Anchor Pin and Bushing Press
- Designed to remove brake anchor pins and bushings on 16 1/2" "Q type" S-cam tractor and trailer brake systems from Dana-Spicer®, ArvinMeritor® (Rockwell®), Eaton®, Timkin® and Fruehauf® without removing wheel hub
- Pressure pad retaining rings hold pads firmly in place
- Two-hand operation
- Interchangeable pressure pads allow removal of bushing alone or simultaneous pin/bushing removal
- Zerk grease fitting lubricates and flushes dirt from pressure screw for long life
- Designed for use with 3/4" impact guns
- Storage case

WARNING • Read safety precautions on pages W1 to W4

BRAKE: SERVICE TOOLS


S6110A


B1458C


B1463A


S6112


S6111


BBW1271


BBW1272


BBW1273

Bleeder Wrenches

S6110A Bleeder Wrench
- For GM®, Nissan® and Honda®
- 8 mm, 6-point box end; 10 mm on the other
- Ends are offset for clearance
- 192 mm long

B1460B Bleeder Wrench
- Similar to S6110A
- 3/8" box end for brake bleeding work and a 7/16" box end for brake shoe eccentric bolt adjustment
- Offset clears drag link arm and recessed backing plate on front wheel
- 9 1/2" long

B1467A Bleeder Wrench
- For *GM*, Ford® and Chrysler® vehicles
- Similar to S6110A
- 5/16" and 3/8" single hex box ends are offset for access to bleeder fittings
- 8 1/2" long

S6143 Bleeder Wrench
- For most imports
- Similar to S6110A
- 7 mm and 9 mm, 6-point box ends are offset for clearance
- 252 mm long

B1458C Bleeder Wrench
- Includes 1/4" and 3/8" single hex box ends
- 9" long

B1463A Bleeder Wrench
- 1/4"–3/8", 6-point box ends are tapered for clearance
- 3 3/4" long arms (for smaller bleeder fittings on most compact cars)

S8184 Bleeder Wrench
- For fittings on most *GM* vehicles
- Similar to B1463A
- 3/8" and 5/16", 6-point box openings
- 4" long arms

B1470 Bleeder Wrench
- Similar to B1463A
- For late model *GM* and most import vehicles
- 8 mm, 6-point box end; 10 mm on the other
- Wrench has a 90° bend for access
- Arms are approximately 100 mm long

S6112 Bleeder Wrench
- For some *GM* and Toyota® vehicles, plus select imports
- Similar to B1463A
- 8 mm, 6-point box on one end; 10 mm on the other
- Wrench has 90° bend for access
- Arms are 130 mm long

S6111 Bleeder Wrench
- Covers 90% of late-model US applications including late-model *Chrysler,* Dodge®, *Ford*, *GM,* Audi®, Mercedes® and VW® vehicles
- 10 mm and 11 mm 6-point Flank Drive® wrenching configuration
- Ends are offset for extra clearance
- 235 mm long

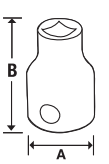
BBW1271 Brake Bleeder Wrench
- Special design features to accommodate caliper-mounted electromechanical parking brakes
- Designed to work without removing the wheels
- Easily access difficult-to-reach 11 mm bleeder screws

BBW1272 Brake Bleeder Wrench
- Special design features to accommodate caliper-mounted electromechanical parking brakes
- Designed to work without removing the wheels
- Easily access difficult-to-reach 11 mm bleeder screws

BBW1273 Brake Bleeder Wrench
- Special design features to accommodate caliper-mounted electromechanical parking brakes
- Designed to work without removing the wheels
- Easily access difficult-to-reach 11 mm bleeder screws

BBW1270 Brake Bleeder Wrench Set
- Special design features to accommodate caliper-mounted electromechanical parking brakes
- Designed to work without removing the wheels
- Easily access difficult-to-reach 11 mm bleeder screws
- With the varied geometry of these three wrenches, you will access most other 11 mm brake bleeder screws on all vehicle makes and models


PMP406A



Wrenches and Sockets

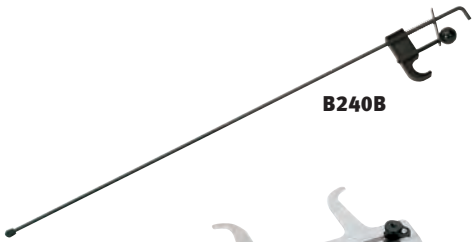
mm	Stock No.	A	B
6	PMP406A	17.2	25.8

PMP406A Internal Metric Pipe Plug Socket
For rear brake adjustments on 1973–1986 Subaru®.
3/8" drive, 6 mm internal square socket.

Brake/Throttle Depressor

B240B Brake and Accelerator Pedal Jack (Blue-Point®)
- Holds throttle at a constant RPM
- Easily adjusts to desired length
- Adjustment screw fine-tunes desired RPM
- Rubber tip keeps the tool firmly positioned
- Overall length of 40" (102 cm)
- Can also be used as a pedal depressor

YA2780 Brake Resetting Gauge
- Automatically sets brake shoe size when measuring against drum walls
- Positive locking section ensures an accurate reading every time
- Improved range of 6 1/2"–13 1/4"


B240B


YA2780

Emergency Brake *(Blue-Point)*

SIML160 6-Point Extra Deep Impact Socket
- Use to remove or replace fuel tank retaining strap nuts
- Also has applications on emergency brake adjustment nuts and stabilizer retainers
- 1/2" square drive; 1/2", 6-point wrench opening
- 5" long

SIML180 Socket
- Same design as SIML160, except hex size is 9/16"

BT22A Parking Brake Cable Tool
- Designed to remove parking brake cables from the brake backing plate and chassis mounting bracket
- Double ended tool has Ford® Escort®, Topaz® and Tempo® applications on one end while the larger end services most other vehicles

BR1 C-Ring Pliers
- Opens the C-ring on the emergency brake actuation lever when changing rear brake shoes on many domestic cars, trucks and imports

BR2 C-Ring Pliers
- Holds the C-ring without slipping during installation


SIML160


BT22A


BR1

3-Arm Hones and Stone Sets

CF63A 3-Arm Hone
For 3/4"–2 1/2" diameter cylinders. Adjustable thumb nut to control tension.


CF63A

Stone Sets

Stock No.	Grit (Qty)	Length, inches
CF63A-100	100 (3)	1 1/8
CF63-240	240 (3)	1 1/8
CF63-400	400 (3)	1 1/8

⚠WARNING
- Operate hone only while it is within cylinder
- Do not use cheater bars on handles
- Read safety precautions on pages W1 to W4

BODY: UNIBODY AND FRAME-STRAIGHTENING EQUIPMENT

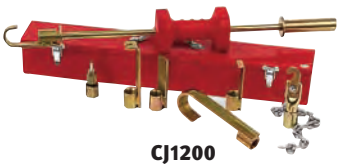


CJ107

CJ114



YA2002



CJ1200



BM175

Pullers

CJ107 Body Dent Puller
- Slide hammer action pulls out dent for filling
- "L" hook included for larger jobs
- 4 lb slide hammer

CJ114 Body Dent Puller
- Mainly for rocker, quarter, back and door panels
- Includes screw for puncturing sheet metal plus a bodyman hook and seal hook for larger jobs
- 3 lb slide hammer

YA2002 Quarter Panel Puller
- Removes dents from rear quarters and wheel wells
- Two 12" tubes (with different dimensions) fit most wheel well openings
- Use with chain attached to frame machine or portable power unit

CJ1200 Slide Hammer Puller Set
- Contains a 12 lb, contour-formed slide hammer and a variety of attachments for auto body repair work

Alignment Bar

BM175 Alignment Bar
- Use to align bumpers, window posts, wheel wells, panels, hoods, decks and brackets
- 6", 1/4" chain has hooks welded to each end for easy attachment to body components
- 4 1/2" long, 1 1/2" diameter tubing

BODY: BODY REPAIR



YA1544A



YA1545



BM101

Body Repair Kits (Blue-Point®)

YA1544A Body Repair Kit
- 4 ton capacity kit includes hydraulic unit, five "Snap-Set" extensions, spreader and a full selection of attachments for most push applications; 18pc kit includes durable storage case
- Auto pump overload system protects against damage to rams and equipment
- 1/2 ton capacity hydraulic spreader has 2" jaw and spreads from 5/8"–3 3/4"
- Flex head includes permanently-molded rubber pad
- Heavy walled extension tubes stand up to the toughest loads
- Long handle reduces required pumping effort

YA1545 Body Repair Kit
- 10 ton capacity kit includes: hydraulic unit, four extensions (4", 10", 18" and 27"), spreader and full selection of attachments in custom-fitted, rugged and wheeled storage case
- Pumps rated from 8,000–10,000 PSI
- Portable for use on the road or in the shop

Applications: Pushing, spreading and pressing of vehicle body panels as well as various component parts and assemblies

Push-Pull Jack

BM101 Push-Pull Jack
- Capable of 3,000 lb push-pull power
- Aligns, straightens and removes dents
- Multipurpose hook on jack head, plus a hook on the 55" long friction rod
- Friction rod flexes to maintain constant pressure without bending, while the grooved end prevents slipping
- Three-position handle

Hammers

BF618B Wide Nose Peen Hammer
- Bumps odd fender contours

BF632B Door Panel Hammer
- For door and body panel bumping
- Smaller diameter head is offset 45°
- Fiberglass handle

BF611B Picking and Dinging Hammer
- Smooths small dents and general dinging

BF603B Long Spot Pick Hammer
- For bumping when filing or where metal is covered with sound-proofing material

BF630B Spot Pick Hammer
- Same design as BF603B except with blunted pick end

BF604B Wide Nose Cross Peen Hammer
- For finishing and caulking

BF617B Shrinking Hammer
- Extra large faces for large area work
- Serrated for shrinking and smooth for finishing

BF614B Long Picking Hammer
- For turret and fender work

BF610B Hammer Shrinking
- Same design as BF617B except the serrated shrinking face is square
- Finishing head on other end

BF608B Short Curve Cross Peen Hammer
- Use under fenders with rolled edges: use finishing face for dinging

BF631B Cross Peen Shrinking Hammer
- Combines pick end of BF604B and serrated face of BF617B

BF635 Door Skin Hammer
- For door skin replacement
- Narrow, rectangular faces work in tight flange area
- High crown straight head with 1 5/16" radius for finishing thin sections without poking holes
- Medium crown head with 25° offset and 3 1/2" radius for working on narrow flanges against the door structure
- Fiberglass handle offers excellent balance and high strength


BF618B


BF632B


BF611B


BF603B


BF630B


BF604B


BF617B


BF614B


BF610B


BF608B


BF631B


BF635

Hammer Specifications

Stock No.	Handle Length, inches	Round Face Diameter, inches	Peen End Size, inches	Handle Length, inches	Head Weight, oz.
BF618B	12	1 9/16	3/16 x 7/8	12	12 1/2
BF632B	13	1 1/4–1 5/8	—	13	16
BF611B	12	1 15/32	—	12	8
BF603B	13	1 19/32	1/16 x 7/16	13	12 1/2
BF630B	13	1 19/32	1/4 x 7/16	13	12 1/2
BF604B	13	1 5/8	5/8	13	11 1/2
BF617B	13	1 7/8	—	13	16
BF614B	17	1 5/8	—	17	16
BF610B	13	1 7/8	—	13	16
BF608B	13	1 5/8	5/8 x 1/16	13	11 1/2
BF631B	13	1 7/8	5/8	13	11 1/2
BF635	12	1 7/16–1 5/8	5/8 x 1 1/2, 5/8 x 2	12	16

Hickory Handles

Stock No.	Length, inches	Hammers Used On
BF603-2R	13	BF603B, BF604B, BF608B, BF617B, BF610B, BF630B, BF631B, BF633, BF634
BF611-2R	12	BF611B, BF615 and BF618B
BF614-2R	17	BF614B

⚠WARNING

- Do not use chipped, mushroomed, or cracked hammers
- Strike squarely, avoid glancing blows
- Do not strike hard objects, use only for striking sheet metal
- Read safety precautions on pages W1 to W4

BODY: BODY TOOL SETS



2005BFA



2007BFB

Body Tool Sets

2005BFA Body Tool Set
- Contains CJ114 body dent puller plus BF608B and BF611B body hammers, BF716B dinging spoon and BF711B heel dolly (5pc)

2007BFB Body Tool Set
- Seven of the most common tools necessary for professional body work: BF716B spoon; BF608B, BF611B and BF617B body hammers; and BF710B, BF711B and BF712B dollies

SNIPS



CD10A



CD12A



CD16A

Tin Snips

Cut straight, circular or irregular patterns; right or left cuts.

CD7A Duckbill Snips
1 1/2" blades, 7" long.

CD10A Duckbill Snips
2 1/4" blades, 10" long.

CD12A Combination Snips
3" blades, 12" long.

CD16A Bulldog Snips
2 1/2" blades, 16" long.



AVSOS20



AVS30

Aviation Snips

- Offset blades allow cut material to flow beneath your hand without curling
- Maneuverable for angle cutting or pattern configurations
- Cuts up to 18 gauge mild steel
- Black oxide finish
- 1 1/8" cutting edge
- 9 1/2" long

AVSOSR9 Snips
Green handle. Right hand cut.

AVSOSL9 Snips
Red handle. Left hand cut.

AVSOS20 Aviation Snips Set
- Includes AVSOSR9 right hand snips and AVSOSL9 left hand snips (2pc)

AVSS10 Snips
Yellow handle. Straight cut.

AVSR10 Snips
Green handle. Right hand cut.

AVSL10 Snips
Red handle. Left hand cut.

AVS30 Aviation Snips Set
- Includes AVSR10 right hand snips, AVSL10 left hand snips and AVSS10 straight snips (3pc)



SNP2A

Light Duty and All-Purpose Snips (Blue-Point®)

SNP2A Angled Multipurpose Heavy Duty Shears
- For leather, cloth, plastic, rubber, cardboard, gasket material, rope and other materials
- Ergonomic handles can be used right or left handed; soft molded grip for comfort and control
- Blade is notched for hard wire and twine
- Locking switch ensures safety during storage
- Control switch allows blades to be held in a tighter position for easier handling
- Angled shears allow easier cutting through flat materials

SHEARS/CUTTER;



HDSCISSORS

Shears/Cutters

HDSCISSORS Heavy Duty Shop Scissors
- For leather, cloth, plastic, rubber, cardboard, gasket material, rope and many other materials
- Ergonomic handles can be used right or left handed



YA444B

Vinyl Cutter *(Blue-Point)*

YA444B Vinyl Cutter
- Cleanly cuts plastic, rubber, vinyl, upholstery, leather, hoses and rope
- Ergo® grip handle with safety lock
- Blade storage in handle
- Includes three stainless-steel replacement blades (YA444B-1)

YA444B1 Replacement Blades
- Includes three replacement blades and anvil for YA444B

Spoons

BF715B Spoon Dolly
- For caulking and forming deep pockets in doors and panels
- Head size is 2 1/2" x 1" x 3": 14" total length

BF716B Light Dinging Spoon
- Smoothes and levels ridges
- Not for prying
- Head size is 4 1/4" x 2"; 10" total length


BF715B


BF716B

Steel Dollies

B173.5 -1991 applies to all dollies.

BF707 Heel Dolly
- For use in sharp corners and wide radii
- Rubber coating provides cushioning effect
- Measures 3" x 2 1/2" x 1 1/2"

BF710B Toe Dolly
- For dinging flat surfaces
- Measures 4 3/4" x 2 1/4" x 11/16"
- 2 1/2 lb

BF711B Heel Dolly
- For use in sharp corners and wide radii
- Measures 3" x 2 1/4" x 1 3/8"; 2 1/4 lb

BF712B General Purpose Dolly
- For deep, skirted fenders and shrinking when using heat
- Measures 3" x 2 1/4" x 1 3/8"
- 2 1/4 lb

BF740 Shot Dolly
- Heavy duty leather pouch is filled with 2 1/2 lb of shot
- Essential for supporting irregular shapes and contours on doors, fenders, and other body panels
- Thin profile to get in tight areas
- Will not scratch surface; 3 3/4" W x 5 3/4" L


BF707


BF712B


BF710B

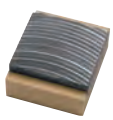

BF740


BF711B

FILES

Nib File

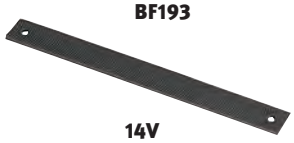
BF193 Nib File
- Removes unwanted paint runs, helps eliminate dribbles and drops
- Gently shaves run without digging into surface


BF193

Flexible Curved Tooth Files

14V Curved Tooth File
14", eight teeth per inch. Rough cut. Use with BF775C Handle.

14V12 Curved Tooth File
14", 12 teeth per inch. Fine cut. Use with BF775C Handle.


14V

File Handles (Blue-Point®)

- Wooden, twist-on handles with case hardened threaded steel inserts

GA616 File Handle
For 8CT curved tooth file.

GA617 File Handle
For 10CT curved tooth file.

GA618 File Handle
For 12CT curved tooth file.

BF775C Flexible File Holder
- Light and rigid with a large aluminum handle, adjustable turnbuckle and permanently attached strap


GA616


BF775C

RIVETING AND NUT SETTING

Nut Setting/Thread Setting Kits *(Blue-Point)*

HP650 Thread Setter Kit
- Includes: rugged thread setter tool and an assortment of fractional Klik® Poly-Nuts: 12 each 8-32, 10-24, 10-32; (8) 1/4"-20 and (6) 5/16"-18 threads
- Includes required nose pieces and mandrels for setting the above sizes
- Packaged in a storage case

HP650M Metric Thread Setter Kit
- Metric version of the HP650 with metric polynuts, including 25 each 4 mm and 5 mm, (15) 6 mm and (10) 8 mm threads
- Includes thread setter tool, required nose pieces and mandrels packaged in a storage case



HP650M

⚠WARNING
- Keep away from children
- Read safety precautions on pages W1 to W4

BODY: RIVETING AND NUT SETTING



HP200A



HP300



HPKL2



HP2



HPS202

Rivet Kits (Blue-Point®)

HP200A Riveter Kit
- Includes: HP2 rivet tool, 1/8" drill bit and 200 assorted rivets in 1/8" and 3/16" diameters plus a 120° countersink

HP300 Large Blind Rivet Kit
- Extra long 21" handled riveter includes three nosepieces
- Includes a bag of 50 Klik-Split® rivets
- Reorder quantities of *Klik-Split* and Klik-Fast® rivets are packaged 50 per bag

HPKL2 Plastic Rivet Kit
- For plastic rivets that hold fascia strips, inner fenders and other plastic parts on GM®, Ford®, Chrysler® and VW® vehicles
- Includes: rivet setter and four styles of plastic rivets: two 5 mm types, 2two 6.3 mm types

Riveting Tools *(Blue-Point)*

HP2 Rivet Tool
- Four nosepieces for 3/32"–3/16" diameter rivets
- For 1/8"–5/8" thickness
- Made of aluminum alloy

HP30N Optional Rivet Nosepiece
- Use with HP2 rivet tool to replace OEM welded studs on trim molding
- For rivets with 1/8" body diameter
- 7/32" head diameter

HPS202 Rivet Tool
- Head swivels 360° to rivet at any angle
- Fasten metal, leather, canvas and vinyl
- Sets 3/32", 1/8", 5/32" and 3/16" rivets
- Four interchangeable nosepieces store in handle when not in use

DOOR TOOLS



UTS105A

Upholstery and Trim Tools *(Blue-Point)*

- Remove door and trim panels quickly without damage
- Wide blades on door tools reduce risk of damage during panel removal
- Stainless-steel blades are heat-treated for rigidity
- Comfortable composite handles feature a contour thumb stop for maximum control

Stock No.	Description	Blade Width, inches	Overall Length, inches	Set Contains: UTS105A
UTV614A	"V" Double Step Blade Door Panel Tool	1 1/4	9 1/8	•
UTV615A	"U" Blade Door Panel Tool	1 1/4	9 1/8	•
UTV616A	"U" Blade Mini Trim Panel Tool	1/2	9	•
UTV617A	"V" Blade Mini Trim Panel Tool	1/2	9	•
UTV618A	Reverse "U" Blade Door Panel Tool	1 1/4	10	•



YA1201



YA214



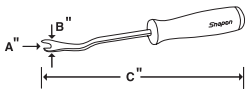
YA331

Specialty Door Tools *(Blue-Point)*

YA1201 Door Panel Remover
- For *GM* and *Ford* vehicles
- Designed to prevent plastic barbed fasteners from being pulled through the panel

YA214 Door Hinge Adjuster
- Adjusts door hinge position on most vehicles
- Works on either bolted or welded hinges
- Two-headed pin adaptor allows adjustment on doors with both small and large latches
- 24" overall length

YA331 Clip Removal Tool
- Tapered forks slide under most types of auto body clips
- A squeeze of the handles pops the clips out



Soft-Grip Trim Pad Tools

- Remove fasteners that secure door panels and trim pieces without damage to panel or trim
- Soft-grip handles with contour thumb stop
- Distinct pivot point is designed for appropriate leverage and to discourage twisting that may damage panel or trim piece

Stock No.	A	B	C	Red (ASG103BR)	Orange (ASG103BO)	Green (ASG103BG)
ASG185BR	7/32	9/16	10	•		
ASG185BO	7/32	9/16	10		•	
ASG185BG	7/32	9/16	10			•
ASG186BR	3/8	13/16	10	•		
ASG186BO	3/8	13/16	10		•	
ASG186BG	3/8	13/16	10			•
ASG187BR	3/8	13/16	20	•		
ASG187BO	3/8	13/16	20		•	
ASG187BG	3/8	13/16	20			•
ASG188BR	7/16	13/16	10			
ASG189BR	7/16	13/16	20			
ASG190BR	3/8	13/16	20			


ASG185BR


ASG188BR


ASG186BG


ASG187BO


ASG189BR


ASG190BR


ASG103BR

Soft Grip Dished Trim Pad Tools

- Smooth dish profile and wide gap to fit vehicles utilizing conical x-mass style retainers for quick removal without damage
- Dished blade for better door panel clip and retainer contact
- Soft grip handle for comfort and control
- Chrome finish helps prevent corrosion and facilitates cleanup

Applications: Ford®, GM®, Toyota® and more

Stock No.	Opening Size, inches	Blade Width, inches	Overall Length, inches	Set Contains: (ASGD102BR)
ASGD1BR	7/16	13/16	10	
ASGDL1BR	7/16	13/16	20	


ASGD1BR


ASGDL1BR

Long Socket, mm

- Long sockets handle the long thread of bumper cover fasteners where deep sockets cannot
- 10mm and 11mm are the most popular fastener sizes for bumper cover bolts found on most European and US vehicles
- Flank Drive® wrenching configuration where the socket grips the fastener on the flanks/flats increasing torque by up to 15%–20%
- Manufactured from special alloy steel, precision forged and heat-treated for optimum strength and durability
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean

Stock No.	Description	Set Contains: (102STMML)
STMML10	Socket, Metric, Long, 10 mm, 6 pt.	•
STMML11	Socket, Metric, Long, 11 mm, 6 pt.	•


102STMML

Shallow Torx with Countersink

FLCE120 *TORX* Socket with Countersink

- Use to remove/install fasteners that hold window regulators in place for BMW® 5 and 7 Series


FLCE120

⚠WARNING

- Plastic handle does not protect against shock
- Read safety precautions on pages W1 to W4

BODY: DOOR TOOLS



DPT7A



A159



A161B



A177A



A179A



S9614A



S9538A



S6103A



A181

Door Handle/Trim Pad/Trim Nuts

DPT7A Door Tool Set
- Includes the seven most needed tools for removing or replacing door trim, trim pads and handles
- Storage tray

A159 Door Handle Tool
- For most GM® cars and trucks (except Cadillac®), plus some Ford® cars
- Plastic dipped offset handle
- 10 7/8" long

A161B Trim Pad Remover
- For *GM*, *Ford* and Chrysler® vehicles
- Features a screwdriver type handle
- 7 3/4" long

A161BO Trim Pad Remover
- Orange handle, same features as A161B

A177A Trim Pad Remover
- For *GM* vehicles and most imports
- Same design as A161B except for different applications
- 7 1/2" long

A177AO Trim Pad Remover
- Orange handle, same features as A177A

A179A Trim Pad Remover
- For all *GM* door trim panels
- Curved blade helps remove plastic clips and nail type clips without damage to either the clips or the trim

S9614A Trim Nut Driver
- For *GM* vehicles
- Similar to S6103A but is for use with 5/16" internal hex trim nuts
- 1/4" drive, 1 7/8" long overall

S9538A Door Handle Tool
- For most late model *Chrysler* vehicles
- Hook end is designed for use on older style handles

S6103A Door Trim Palnut Driver
- For *Ford* and *GM* vehicles
- For easy servicing of 3/8" internal hex trim nuts used on door trim panels and molding
- 1/4" drive, 1 7/8" long overall

A181 Trim Pad Remover
- Services plastic trim fasteners on Honda®, Toyota®, Acura®, Hyundai® and some *Ford* trucks
- Similar in design to A161B. 7 1/2" long
- Not included in DPT7A set

SPECIALTY TOOLS



YA335



YA336



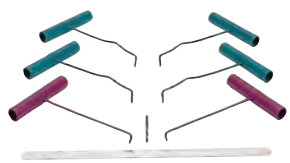
BF801



BF802



BF803



BF200

Body Clip Tools (Blue-Point®)

YA335 Body Clip Pliers
- Steel levers enclosed in PMS plastic to prevent scratches
- Tips have a specified angle and size that deliver the most versatile clip tool on the market
- Eliminates need to buy multiple sets of trim clip pliers for different applications
- Specially designed and patented pliers will remove any clip found on trim, bumpers, etc.

YA336 Body Clip Pliers
- Will remove almost any clip type from trim, bumpers, etc.
- Ergonomic tool with special angled tips for access to tight spaces
- Steel levers encased in glass-filled nylon for lightweight comfort
- Length: 9"; Jaw length: 1 1/2"

Suction Cups

BF801 Heavy Duty Suction Tool
- Pull out dents or handle glass
- Handle increases pulling power
- 5" suction cup

BF802 Heavy Duty Dual Suction Cup Tool
- For pulling more stubborn dents or lifting larger materials
- Handle has plenty of room for two hands
- Trigger releases both 4" cups simultaneously

BF803 Suction Cup
- Two finger grips for easy lifting, two projecting tabs for quick release
- 3 1/4" diameter

Picks/Rods

BF200 Pull Rod Set
- Drill 9/64" holes and pull metal to shape
- Includes four pull rods, two pick pulls, a straight edge and a drill bit
- Rods lift metal without distortion
- No need to remove upholstery



DHS108



DHW1



YA6620

Door Hinge Tools (Blue-Point®)

Stock No.	Description	Size	Hex Size	Length
BMAS60	Triple Square Bit	6 mm	5/16"	13/16"
BMAS80	Triple Square Bit	8 mm	5/16"	13/16"
BMAS100	Triple Square Bit	10 mm	5/16"	13/16"
BMAS120	Triple Square Bit	12 mm	5/16"	13/16"
SDMTAS30	TORX® Bit	T30	5/16	13/16"
SDMTAS40	*TORX* Bit	T40	5/16	13/16"
SDMTAS45	*TORX* Bit	T45	5/16	13/16"

DHS108 Door Hinge Removal Set
- Door hinge applications include VW®, Audi®, Jeep® Cherokee® (1997 and 1998) and early model Ford® Escort®
- Various applications on *Audi*, *VW*, and Mercedes® vehicles plus *Mercedes* rear toe adjustment and head bolts on some early models
- Set includes DHW1 ratcheting bit wrench, BMAS60–BMAS120 triple square sockets (6 mm–12 mm) and SDMTAS30–SDMTAS45 *TORX* sockets (T30–T45)
- Plastic storage pouch and bit holder included EU–GB

DHW1 Reversible Ratcheting Bit Wrench
- Overall length: 10.75" (273 mm)
- Low head clearance for access to tight spots
- Internal ring in square drive provides more secure bit retention than magnetic models

YA6620 Door Hinge Bushing Installer for GM® Vehicles
- Use on *GM* vehicles with replaceable silicon bronze door hinge bushings
- Tool provides easy access to restricted areas of the hinge
- Accurately guides and holds the bushing in place while tapping with a hammer or squeezing with pliers

Applications: Chevrolet® S10 and Sonoma (1982–2004), 1/2 and 3/4 ton trucks (1980–1999), one ton trucks (1980–2001), Blazer (1980–2005), Suburban® (1980 and later), Tahoe® (1980 and later), Astro® and Express (1980 and later) and Avalanche® (2002 and later)



LPK620



YA511



YA501F



YA610A



BF272



YA520



LOS145A

Lock Picks/Lockout Tools *(Blue-Point)*

LPK620 Master Lock Pick Set
- 37pc set includes 6pc import rocker pick set, 12pc pick set for *GM* vehicles, 5pc *Ford* automotive rocker lock pick set, 6pc Chrysler® lock pick set, 6pc set for wafer locks on import vehicles, harpoon pick for removing broken keys, tweezer type universal lock turning wrench and a gas cap pick tool

YA511 Lockout Tool Set
- Contains 17 specialized tools for unlocking car, van and truck locks
- Includes many of the components of the YA501E set plus additional service components
- Includes a penlight and instruction manual in a kit bag

YA501F Lockout Tool Set
- Contains 15 specialized tools for unlocking car, van and truck locks
- Includes J-tool for Japanese vehicles, as well as *GM* tool to service Caprice®, Buick® and Oldsmobile® vehicles
- Included *Chrysler* tool also services Toyota® Camry® vehicles
- BF272 Inflatable Wedge and instuction manual included

YA610A Lock Opening Reforming Tool
- Reforms damaged lock openings to original contour on *GM*, *Ford*, *Chrysler* and most import cars

BF272 Inflatable Wedge
- Offers safe entry in a lock-out situation without damage to the body finish
- Slip the deflated unit between door frame and body, inflate wedge by slowly applying pumping pressure to pull the door away from vehicle body
- Can also be used to gain entry by separating the weather stripping from the vehicle window or to adjust body panels

YA520 Door Lockout Kit
- Includes: Two plastic wedges to create gap between door and frame, Day-Glo® yellow easy-access jim to reach inside door handles and plastic slim jim for use on door knobs

LOS145A Door Lockout Set
- No danger of airbag activation or disconnected door linkages
- Actuate the door handle, manual lock button or electric lock button on most cars and trucks
- Includes: 4pc door unlocking tool that screws together without couplers for easy assembly and storage, plastic slim jim, two glow-in-the dark tips, two plastic wedges to create gap between door and frame without damaging door or weather stripping and BF272 Inflatable Wedge
- Use the BF272 to easily separate door from body without damage to the vehicle
- Unlocking tool features a middle extension piece to reach across the car in extended use applications
- For sale to registered locksmiths, police and bona fide repair professionals only

⚠WARNING

- Do not use "cheater bars" on handles
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

BODY: WINDOW AND WINDSHIELD



GA243



YA109C



WK100



WK200



YA208A



A192



S9610

Window and Windshield Removal Tools

GA243 Molding Release Tool
- Use to remove window and windshield moldings on cemented glass

YA109C Windshield Removal Tool (Blue Point®)
- Steel cable pull handle
- Replaceable steel cutting blades can be resharpened
- For GM®, Chrysler® vehicles and other cars with windshields set in place with sealant

WK100 Windshield Knife *(Blue Point)*
- Cuts hardened urethane down to the dash
- Flush blade retention screw helps prevent damage to the dash and moldings
- Rigid aluminum shaft will not flex
- Long length provides cutting leverage and reach
- Cushion grip handle for extra comfort
- Includes one blade
- Uses YA1860 replacement blades
- 18" long

WK200 Windshield Knife *(Blue Point)*
- Cuts hardened urethane down to the dash
- Flush blade retention screw helps prevent damage to the dash and moldings
- Rigid aluminum shaft will not flex
- Long length provides cutting leverage and reach
- Vinyl grip handle for extra comfort
- Includes one blade
- 24" long
- Uses YA1860 replacement blades

YA208A Windshield Locking Strip Installation Tool
- Wedge openings in two widths make short work of installing nearly all locking strips
- Includes special tip for Dodge® truck applications
- 4" contoured handle and 4" metal shank

A192 Windshield Wiper Arm Removal Tool
- Easily remove wiper arms on most vehicles
- Both wide and narrow prying ends
- Do not use on wiper arms bolted to the shaft

S9610 Window Sash Nut Spanner Socket
- 3/8" drive and 15/32" long
- For *GM* and *Chrysler* cars and light trucks



YA5200A



WSC2



PKNG90



YA6390

Window Scrapers (Blue-Point®)

YA5200A Razor Blade Scraper
- Unique shape fits into tight spots such as the area between dash and windshield
- Use any standard, single-edge razor blade
- Storage for extra blades in screwdriver style handle. 11" long

WSC2 Plastic Blade Window Scraper
- Scrapes windows, windshields and more
- Includes a plastic blade, or use any standard, single-edge razor blade
- 8" long tool folds to only 4 5/8"

PKNG90 Glass/Acrylic Large Scraper
- Designed for use on glass and acrylic surfaces
- Large handle for easy grip
- Orange color to visually identify difference from black nylon glass-filled products
- Works well when removing dirt/debris, windshield decals, adhesive mounts for mirrors, dealer sticker removal, tree sap, algae removal from fiberglass boats, and removal of window tinting

Window Holder *(Blue-Point)*

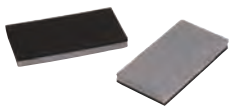
YA6390 Window Holder
- Holds side window glass up when working on the regulator
- Suction cups are attached to both sides of the glass with a cable over the door frame, preventing the glass from falling down the door



BF185A



BF190



BF192A



BF195

Sanding (Blue-Point®)

BF185A Sanding Block
- For flat or curved surfaces with wet or dry sandpaper
- 5 x 2 3/4"

BF189A Sanding Block
- For flat or curved surfaces with wet or dry sandpaper
- 5 x 2 3/4"

BF190 Sanding Block
- All-purpose, multi-radius edge and flat sander
- Flexible body conforms to most sanding surfaces
- 5 1/2" long

BF192A Sanding Block
- Double sided, wet/dry sanding block
- Soft side sands irregular surfaces
- Stiff side sands flat and curved surfaces

BF195 Sanding Block
- Multi-purpose, radius, groove-angle and corner sander
- Flexible body conforms to most surfaces; 5 1/2" long



BFS1000B



YAUVWATER



NYZ7007HD

Bumper Cover Paint Stands

BFS1000B Bumper Cover Painting Stand
- Stand holds the bumper cover securely for painting
- Five different locking positions on the stand and full 90° rotation provide maximum versatility
- Lightweight at 23 lb and compact to store
- Casters provide full mobility

Water Body Dye

YAUVWATER Water Body Dye
- Ideal for use by auto body and glass repair shops
- Fluorescent dye easily detects gaps causing wind noise plus leaks around sunroofs, door trim, trunk lids, window seals and windshields
- Simply mix bottled dye with water and spray over outer area
- Check for leaks with UV lamp
- Easily cleaned off with water after repair
- Recommended for use with ACTUVLITEA UV light kit

Mastic Removal Tools

NYZ7007HD Manual Mastic Removal Kit
- Hand kit is ideal for aviation, automotive and industrial use, especially for delicate jobs and limited access scraping applications
- NYROC® blades are sharpened with sandpaper, small stone or optional pneumatic sharpener
- Kit includes six 1" *NYROC* blades, six 1/2" *NYROC* blades, three 1/4" *NYROC* blades and ergonomic rubber handle

WARNING • Read safety precautions on pages W1 to W4

BODY: ANTENNA/MIRROR



YA7575



RRT105



S8703



S9605B

Mirror and Radio Trim Sockets

YA7575 Radio Removal Tool for Ford® Vehicles (Blue-Point®)
- Insert tool components into holes on the radio faceplate to release the retaining clips on the radio
- Same as *Ford* No. T87P-19061-A

Applications: 1987 and later Mustang®, 1988 and later Tempo®/Topaz®, 1989 and later Continental®, 1990 and later Taurus®/Sable®, Ranger® Bronco® II, Probe®, Lincoln® Town Car, Mark VII®, Crown Victoria®/Grand Marquis, Thunderbird®/Cougar, F-Series pickups, E-Series vans, 1991 and later Explorer® and 1995 and later Windstar® vehicles

RRT105 Car Stereo Removal Tool Kit
- Includes: Six tools for car stereo removal
- Enclosed instruction sheet lists exact model application for each manufacturer
- EU–GB

Applications: Audi®, BMW®, *Ford*, Land Rover®, *Lincoln*, Mazda®, Mercedes®, Mercury®, Merkur®, Porsche®, Saab® and VW®

S8703 Remote Control Mirror Socket
- Hollow socket clears adjustment lever; two-prong socket has a 3/8" square drive
- 19/32" diameter on drive end; 21/32" diameter on socket end
- 2 1/16" long
- Nickel-chrome finish
- Services many *Ford* and *VW* vehicles

S9605B Radio Trim Nut Socket
Similar in appearance and function to S8703. 1/4" square drive. 7/16" diameter on drive end; 9/16" diameter on socket end. 2 5/16" long. Services some GM® and *Ford* vehicles.



S6166



2160ANT

Antenna Nut Tools

S6166 Antenna Nut Socket
- Three-prong socket with 11/16" external hex
- 3/4" diameter, 1 1/2" long
- Services 1987 later Chrysler® vehicles

2160ANT Antenna Wrench *(Blue-Point)*
- Four configurations will fit most antenna bezel nuts on US and imported vehicles
- 10 mm opening for removing mast-type antennas
- Measures 7 1/4" x 1 1/2" x 1/8"
- Anodized finish

Spot Weld Cutters (Blue-Point®)

SWDK4 Spot Weld Cutter Set
- 4pc cutter set designed for high-speed cutting of up to 2,000 RPM
- Self-centering points minimize walking

SWDK412 Spot Weld Cutter
1/2"

SWDK414 Spot Weld Cutter
1/4"

SWDK438 Spot Weld Cutter
3/8"

SWDK4516 Spot Weld Cutter
5/16"



SWDK4

Infrared Curing Light

BFLIGHT1500A Infrared Curing Lamp (120V AC)
- Use to cure paint, primer, body filler, bonding adhesive and plastic repair products
- Adjustable lamp height and pivot
- Four swivel casters for easy maneuverability
- UL® listed

Cure times at 18" from surface:
10 minutes – 2 K primers,
waterborn base coat, filler/stoppers
15 minutes – 2 K plastic repair,
plastic body fillers, acrylic enamels
30 minutes – 2K top coats,
high build primers, structural adhesives
35 minutes – polyurethane,
synthetic enamels, high solids clear


BFLIGHT1500A

ET1400 Heat Gun
- Variable temperature selection
- *UL*/CSA® listed
- Up to 1,050 °F with three-way switch


ET1400

HEADLAMP AIMING

Headlamp Spring Tool

HE52B Headlamp Spring Tool
- For servicing alignment springs
- 3/16" diameter shank anchored in a screwdriver-style handle
- 7" long


HE52B

Headlamp Adjuster

RBYF445 Ratcheting Headlight Wrench
- 8" overall length allows access to headlight adjustment screws Applications work on most late-model Ford® vehicles with 4 mm and 4.5 mm adjusters (found on aerodynamic designs) and headlights with rear mount adjusters


RBYF445

WARNING • Read safety precautions on pages W1 to W4

PAINT SPRAY: SPRAY GUNS

A new generation of Blue-Point® spray guns for primer, base and clear coat. Designed for the automotive refinishing painter. Lightweight and well-balanced while delivering a quality, first-class automotive finish. Lowest trigger pull among guns in its class.

Unmatched spray pattern size and quality repair kits. Optional interchangeable 125, 250 and 600 cc aluminum cups are available. Optional 3M® PPS adaptor is available. Full one-year warranty.



BLP13HVLP



BLP14HVLP



BLP15HVLP



BLP18HVLP



BLP10MHVLP

Full Size/Miniature – HVLP

Stock No.	Fluid Tip, mm	Air Consumption, SCFM	Max. Inlet HVLP PSI (bar, kPa)	Dry Weight without Cup, oz (grams)	Air Inlet Thread Size, NPSM	Cup Size, cc	Application
BLP13HVLP	1.3	9.5	29 (2.0, 200)	12.6 (359)	1/4"	600	High solids, colors and clears
BLP14HVLP	1.4	9.5	29 (2.0, 200)	12.6 (359)	1/4"	600	High solids, colors and clears
BLP15HVLP	1.5	9.5	29 (2.0, 200)	12.6 (359)	1/4"	600	Medium solids, colors and clears
BLP18HVLP	1.8	9.5	29 (2.0, 200)	12.6 (359)	1/4"	600	Primer, high viscosity materials
BLP10MHVLP	1.0	7.0	29 (20, 200)	11.4 (322)	1/4"	125	Primer, base and clear



BLPK14HVLP

Economy – HVLP

Stock No.	Fluid Tip, mm	Air Consumption, SCFM	Air Inlet Thread Size, NPSM	Air Pressure Range, PSI	Fluid (Water) Delivery	Cup Size, cc
BLPK14HVLP	1.4	14.5	1/4"	30–43 PSI	190–250 mL/min	600



BLP14CONV

Full Size – Conventional (non-HVLP)

Stock No.	Fluid Tip, mm	Air consumption, SCFM	Max. Inlet HVLP psi (bar, kPa)	Dry Weight without Cup, oz (grams)	Air Inlet Thread Size, NPSM	Cup Size, cc	Application
BLP14CONV	1.4	9.5	—	12.6 (359)	1.4"	600	All automotive colors and clears

SPRAY GUN ACCESSORIES



BF7130

Air/Fluid Hoses

BF7220 Fluid Hose
25' x 3/8" I.D. fluid hose with 3/8" FPT connectors.

BF7130 Air/Fluid Hose Kit
- 6' hose kit for the BF652 pressure cup
- Kit includes 5/16" I.D. air hose with 1/4" FPT connectors and 1/4" I.D. fluid hose with 3/8" FPT connectors

Air Caps and Service Kits

BF16111 Air Cap
General duty cap (red ring).

BF16113 Air Cap
Clear coat cap (gold ring).

BF16114 Air Cap
Material organizer cap (blue ring).

BF501RK Service Kit
For BF501 spray guns.

BF590RK Service Kit
For BF590 spray guns.



BF7505

Gravity Feed Cup

BF7505 Aluminum Miniature Gravity Feed Cup
- 4 oz (125 cc) capacity
- Miniature aluminum gravity feed cup
- Includes adaptor to fit *Blue-Point* HVLP gravity feed spray guns


BF521A


BF520A


BF530A


BF540A

Air Filters/Air Control Units

BF521A Air Control Unit
- Includes regulator with 160 PSI inverted gauge and air cock
- Two regulated outlets
- One filtered main line outlet
- Air Inlet: 1/2" NPT(f). Filter Capacity: 75 CFM
- Regulator capacity: 50 CFM

BF520A Air Filter
- Reusable edge type 5 micron filter element
- Highly effective at removing water, oil and other contamination
- Air Inlet: 1/2" FPT Air Outlets: 3/8" FPT and 1/4" FPT (plugged). Filter Capacity: 75 CFM

BF530A Air Filter
- Reusable edge type 5 micron filter element
- Highly effective at removing water, oil and other contamination
- Air Inlet: 1/2" FPT Air Outlet: two outlets @ 3/8" FPT
- Filter Capacity: 120 CFM

BF540A Mechanic's Air Filter
- Portable, mounts easily anywhere
- Designed for use with quick couplers
- Air Inlet: 1/4" FPT Air Outlets: 1/4" FPT and 1/4" FPT (plugged). Filter Capacity: 75 CFM


BF525


BF555


BF550


BF1210


BF7000

Air Valves/Air Regulators

BF525 Air Pressure Regulator
- Two regulated outlets
- Includes 160 PSI air gauge and air cock (1/4" MPT)
- Capacity: 50 CFM

BF555 Air Adjusting Valve (with Gauge)
- Designed for use with HVLP spray guns
- Includes 160 PSI pressure gauge
- Air Inlet: 1/4" MPT Air Outlet: 1/4" FPT (swivel nut)

BF550 Air Adjusting Valve
- Precision-tapered valve
- Full open to close with approximately four turns: infinitely adjustable
- Large, easy-to-handle Inlet: 1/4" MPT Air Outlet: 1/4" FPT (swivel nut)

BF1210 "Green Zone" Air Regulator
- Reads both inlet pressure and air cap pressures

BF7000 Disposable InLine Filter
- Disposable filter removes contaminants that condense in the air hose between wall-mounted filter and spray gun
- Reduces paint defects
- Easy installation
- Card of two filters

Air Pressure Regulators

BF1410 Air Pressure Regulator
- Small, lightweight, true diaphragm mini regulator attaches to any spray gun (including HVLP models) for accurate air pressure lation
- Push/Pull lock pressure setting
- Features easy-to-read 0–160 PSI gauge
- Capacity of 22 CFM (158 SCFM) [623 L/min]

YA999 Air/Water Separator (Blue-Point®)
- Separates water from compressed air
- Includes drain valve for periodic draining
- 3 1/2" L. 1 1/2" diameter


BF1410



YA999

⚠WARNING
- Use in well ventilated area
- Read safety precautions on pages W1 to W4

PAINT SPRAY: SPRAY GUN ACCESSORIES



AHCC90C



AHCCP90C

High-Volume Hose Connectors

AHCC90C Quick Coupler
- High-volume 1/4" female quick coupler
- Designed to deliver high volumes of air to spray guns and air tools

AHCC91C Quick Coupler
- High-volume 1/4" male quick coupler
- Designed to deliver high volumes of air to spray guns and air tools

AHCCP90C Impact Wrench Coupler
- Quick connect 1/4" female nipple
- Designed to deliver high volumes of air to spray guns and air tools

AHCCP97C Impact Wrench Adaptor
- Use with AHCC98C high-flow coupler to improve low-pressure performance of 1/2" drive impact wrenches and other high air consumption tools



MRB20

Paint Gun Hooks / Holders

MRB20 Magnetic Paint Gun Hook
- Eliminates having to drill holes in your paint booth to hang your paint gun
- 160 lb of magnetic force

BF9893 Spray Gun Holder
- Stand holds up to three gravity feed paint spray guns at one time for refilling
- Adjustable strainer holder
- Steel construction



BF9893

AIR BRUSHING



BF180B

BF180B Air Compressor
- Portable 1/10 HP oil-less diaphragm type compressor features internal bleed
- Compact, lightweight and quiet
- Maximum running pressure of 33 PSI 115V, 60Hz, 2.5A



BF170A

BF170A Airbrush Set
- Dual action, internal mix, bottom feed airbrush
- Single needle/nozzle design sprays a variety of reduced acrylics, enamels, lacquers, glazes and airbrush-ready paints
- Excellent choice for multiple applications
- Includes: airbrush, mixing jars, air hose, color cup, extra needle and instruction manual



BF360

BF360 Airbrush Set
- Rotating paint reservoir allows gravity or bottom feed
- Engineered to require only one size tip, regulator and needle for application of any properly reduced medium including acrylics gouache, inks, dyes, enamels, lacquers and stains
- Includes: airbrush, two 2 oz jars, one 3/4 oz jar, 6' braided hose, extra needle and tip, plus foam lined storage case



BF171

BF171 Airbrush Set
- Single action, external mix, bottom feed airbrush
- Air and paint mix outside the airbrush, creating a larger, coarser dot pattern while providing a heavier spray volume
- For base coating, touch-up projects and automotive painters
- Sprays higher viscosity materials like glazes, stains, enamels and lacquers
- Includes: airbrush, mixing jars, air hose and instructions



BF175TA

BF175TA Airbrush Set
- Dual action, internal mix, bottom feed airbrush
- Choice of fine, medium or heavy needle/heads
- Sprays a wide range of properly reduced acrylics, enamels, lacquers, glazes and airbrush ready paints
- Includes: airbrush, mixing jars, air hose, color cup, extra tip, spray regulator, needle and instruction manual in a storage case



BF105

BF105 Gravity Feed Airbrush Set
- Ideal for graphic arts and automotive illustration
- Dual action, internal mix, gravity feed airbrush for professional results
- Precise performance for tight line detail
- Single needle, single tip configuration
- 1/3 oz permanently mounted color cup
- Sprays any properly reduced paints
- Operates with lower pressure
- 10–15 PSI
- Optional needle, regulator and tip availabte a finer spray
- Ergonomically balanced for hours of comfortable spraying

PAINT SPRAY: PAINT GUN CLEANERS/SAFETY EQUIPMENT

Cabinet Style Paint Gun Cleaner

PGC500A Paint Gun Cleaner



PGC500A

- Cleans paint guns in less than two minutes
- Meets SCAQMD air quality rule 1171
- Air safety switch on lid
- Features a high torque rotary vane air motor that requires only 7 CFM at 60 PSI
- Regulator and gauge are included
- Seal-less magnetic drive pump supplies powerful cleaning action, no seals to wear out or replace
- Sprays solvent at 85 PSI
- Reduces solvent consumption up to 90%
- Measures 30" H, 26" L and 24" W in the top

Paint Gun Cleaning Brushes (Blue-Point®)

YA7327 Paint Gun Cleaning Brush (Set of 5)


YA7327

- For "external" paint guns
- Can be used with commonly used cleaning solvents (do not use with solvents marked "corrosive")
- Nylon bristles
- 7 1/2" L

YA7329 Paint Gun Cleaning Brush (Set of 5)

- Similar to YA7327 but designed for "fluid tip" paint guns
- 7 3/4" L

BFCB101 Paint Gun Cleaning Brush Kit


BFCB101

- General purpose spray gun cleaning kit
- Includes 7pc stainless-steel needle set with handle, 5pc precision mini-twisted brush set, 3/8" pick-up tube brush (12" L), 3/16" nylon end brush, 1/2" nylon body cavity brush, nylon bristle exterior body brush and 1/4" nylon HVLP brush

Flammables Storage Cabinet

EQFSC45M Flammables Storage Cabinet



EQFSC45M

- Store volatile liquids like paints, solvents, alcohol, acetone, gasoline and other chemicals
- 16 gauge walls with full 2" air walls. 45 gallon capacity with 5 gallon spill pan
- Removable fork lift channels for convenient movement and placement of cabinet
- Complies with OSHA #29 CFR 1910, NFPA Code #30 and UFC Code #79
- Spill containment exceeds 5 gallon EPA requirement

Specifications	Outside Height	Outside Width	Outside Depth	Inside Height	Inside Width	Inside Depth
EQFSC45M	65"	43"	18"	60"	40"	15"

ABRASIVE BLAST SYSTEMS: PORTABLE PRESSURE BLAST SYSTEMS

Air Powered Portable Pressure Blast Systems

YA441 Pressure Blast System



YA441

- For cleaning jobs on large surface areas
- Cleans a variety of materials such as concrete, stone, brick and steel
- Unit has a convenient remote control shut down at nozzle handle
- Wheels provide mobility on job site
- Hose length 25', with 1/4" nozzle
- Capacity: 250 lb of abrasive
- Requires 80 CFM at 100 PSI

YA449A Pressure Blast System (Not Shown)

- Cleans a variety of materials such as concrete, stone, brick and steel
- Media is controlled by stainless-steel ball valve at nozzle handle
- Capacity: 100 lb of abrasive
- Requires 21 CFM at 100 PSI
- Hose length 10' with 1/8" nozzle

YA448 Pressure Blaster System



YA448

- For cleaning jobs where a minimal capacity of media is required
- Cleans a variety of materials such as concrete, stone, brick and steel
- Media is controlled by stainless-steel ball valve at nozzle handle
- Capacity: 40 lb of abrasive
- Requires 21 CFM at 100 PSI
- Hose length 8' with 1/8" nozzle

Gravity Fed Portable Pressure Blast Systems

YA432 Gravity Feed Siphon Sandblast System



YA432

- Portable design is ideal for quick spot cleanups or larger jobs such as body and frame restorations
- Capacity: 40 lb of abrasive
- Hose length 10' with 5/16" nozzle
- Requires 10–18 CFM at 100 PSI

⚠WARNING

- Do not direct air or fluid stream at body
- Use in well ventilated area
- Do not expose solvent to flames, sparks or other source of ignition
- Read safety precaution on pages W1 to W4

ABRASIVE BLAST SYSTEMS: CABINET-TYPE

Snap-on® abrasive blast systems effectively clean metal parts right down to the bare substrate. The applications vary from automotive, manufacturing, restoration to tool and die shops, marine repair and electric motor rebuilders. Cabinet sizes vary from medium sized to larger pressure-fed systems.



YA3825



YA3825PJJ



YA3825PJK



YA3626



YA4826PA

Clamshell Blast Cabinet

- Features a clamshell lid to assist in loading heavy parts
- Side door for loading smaller parts
- Variable output blast gun with trigger-style control
- High efficiency 135 CFM dust collection system
- Provides user excellent visibility during blasting
- Separates dust from useable media, minimizing waste
- Lower noise output
- Heavy duty steel grating in work area for heavier parts
- Dual fluorescent lights in work area for increased visibility
- Includes 25 lb of glass bead abrasive

Stock No.	YA3825	YA3626*	YA4826PA
Inside Dimensions, inches	16–24 H x 37 1/2 W x 26 D	23 H x 35 1/2 W x 23 1/2 D	14–23 H x 48 W x 24 D
Side Door Dimensions, inches	12 H x 17 1/2 W	12 H x 18 W	13 H x 19 W
Top Opening Dimensions, inches	25 H x 37 1/2 W	14 H x 37 W	24 H x 48 W
Overall Dimensions, inches	70 H x 38 W x 26 D	58 H x 36 W x 24 D	60 H x 52 W x 25 D
Dust Collection Size in CFM	135	100	160
Electrical Requirements	120V AC, 60Hz	120V AC, 60Hz	120V AC, 60Hz
European Models	YAH3825EUR†	–	–

NOTE: European model is 230V AC, 50/60 Hz, Single Phase.
*Blue-Point®
CE



YA4224



YA435



YA437

Industrial Style Blast Cabinets

- Dust collection system provides user with excellent visibility and features polysateen bags to capture dust and debris
- Dual fluorescent lights in work area for increased visibility
- Heavy duty steel grating in work area to support heavier parts

Stock No.	Inside Dimensions, inches	Dust Collector Size, CFM	Side Door Dimensions, inches	Top Opening Dimensions, inches	Overall Dimensions, inches	Air Supply Required	Electrical Requirements	European Models
YA4224	29 H x 41 W x 23 D	135	17 H x 18 W	12 H x 39 1/2 W	73 H x 43 W x 24 D	25 CFM at 100 PSI	120V AC, 60Hz	YAH4224EUR†
YA435	15 to 23 H x 40 W x 26 D	270	13 H x 17 W	39 x 24	66 H x 40 W x 27 D	18 CFM at 100 PSI	120V AC, 60Hz	YAH435-EUR†
YA437	33 H x 42 1/2 W x 44 D	405	35 H x 42 W	—	78 H x 44 W x 44 D	25 CFM at 100 PSI	120V AC, 60Hz	YAH437-EUR†

NOTE: European models are 230V AC, 50/60 Hz, single phase.

TECHNICAL SUPPORT 1-800-253-3661

†CE

YA4224 Abrasive Blast Cabinet with Foot Control

- Right hand door for smaller parts and top-opening lid for larger parts
- Foot pedal control for media delivery reduces operator fatigue

YA435 Abrasive Blast Cabinet

- Right hand door for smaller parts and full front opening door for larger parts
- Variable output blast gun with trigger style control

YA437 Large Abrasive Blast Cabinet with Foot Control

- Features a turntable to assist in cleaning larger or multiple parts easily
- Right and left hand doors allow access to turntable
- Foot pedal control for media delivery reduces operator fatigue

SANDBLASTERS

Vacuum Sandblaster

YA428A Vacuum Sandblaster

- Blasts away rust, dirt and paint quickly
- Features a vacuum recovery system at the blast nozzle to eliminate mess
- Media is recycled for continuous use
- Dust is captured in container for ease of disposal
- Wheels and casters offer ease in mobility
- Vacuum recovery system's 90 CFM
- Measures 49" x 18" x 18 1/2"
- Requires 14 CFM at 100 PSI and 120V AC 60 Hz
- European model: YAH428AEUR 230V AC 50/60Hz



YA428A

Small Sandblaster

PSB500AR Portable Sandblasting Gun

- For cleaning small areas quickly
- Lightweight aluminum construction
- Flat base provides an upright resting position
- Media capacity 4 lb
- Requires 5–12 CFM at 100 PSI



PSB500AR

WARNING

- Use in well ventilated area
- Read safety precautions on pages W1 to W4

ABRASIVE BLAST SYSTEMS: SANDBLASTING ACCESSORIES



YAD100A



YAD10102A



YAD007A

Blast System Accessories

Stock No.	Nozzle	Air Jets	Blast Gun	Blast Gloves	Window Film Replacement	Replacement Filter
YA3626	YAD105	YAD104	YAD100A	YAD007A	YAD20061	YAD723A
YA4826PA	YAD2304	–	–	YAD007A	YAD20061	YADV723A
YA3825	YAD105	YAD104	YAD100A	YAD007A	YAD20061	YAD714
YA3825PJJ	YAD105	YAD104	YAD100A	YAD007A	YAD20061	YAD714
YA3825PJK	YAD105	YAD104	YAD100A	YAD007A	YAD20061	YAD714
YA4224	YAD10104A	YAD10105A	YAD10102A	YAD007A	YAD20061	YAD674
YA3423	YAD105	YAD104	YAD100A	YAD007A	YAD20061	YAD714
YA435	YAD115	YAD104	YAD100A	YAD007A	YAD20061	YAD019
YA437	YAD10104A	YAD10105A	YAD10102A	YAD007A	YAD20061	YAD018
YA3220	YAD105	YAD104	YAD100A	YAD007A	YAD20061	N/A



YAD4000



YAD4003



YA428-1



YA462A



YA466A

Abrasives

YAD4000 Steel Grit Abrasive
For rough cleaning and removing rust and scale. 50 lb bucket.

YAD4003 Steel Shot Abrasive
For peening and cleaning castings and forgings. 50 lb bucket.

YA428-1 C-Garnet Abrasive
Does not break down as quickly as silica sand. Creates less dust. 50 lb bucket.

YA461A Glass Bead Abrasive (Coarse)
For coarse satin finish with minimum surface removal. 40–60 coarse grit, 50 lb bucket.

YA462A Glass Bead Abrasive (Medium)
For medium satin finish with minimum surface removal. 60–100 medium grit, 50 lb bucket.

YA463A Glass Bead Abrasive (Fine)
Use for fine satin finish with minimum surface removal. 100–200 fine grit, 50 lb bucket.

YA466A Aluminum Oxide Abrasive
A tough abrasive used for fast removal of heavy oxidation and burrs. Low dust formula. 50 lb bucket.



YA415A

Helmet/Hood

YA415A Cotton Twill Hood

- Bump Cap protects head, face and neck from dust
- Light duty protector for well ventilated areas



WV1560VIS

High Visibility Safety Vises

- Coated in high visibility yellow, which conforms to the OSHA safety color standard for physical hazards regulation #1910.144
- Powder-coat finish resists scratches and gives a tough, durable finish
- Handles and lockdowns are black oxide-coated for additional corrosion resistance
- Units feature a straight line design with totally enclosed spindle and nut, replacement pipe and serrated vise jaws
- 360° swivel base

Stock No.	Jaw Width, inches	Maximum Opening, inches	Pipe Capacity, inches
WV1550VIS	5	5 1/4	1/4–2 1/2
WV1560VIS	6	5 3/4	1/4–3 1/2



WV1745



WV4044

Mechanic's Vises

- For general purpose service and maintenance shops
- Replaceable, reversible top jaws (one serrated steel, one smooth), built-in pipe jaws, swivel base and large anvil

Stock No.	Jaw Width, inches	Maximum Opening, inches	Pipe Capacity, inches	Throat Depth, inches	Copper Jaw Cap
WV1745	4 1/2	4	3 1/4	3	WV4044
WV1755	5 1/2	5	3/8–3	3 3/4	WV4045
WV1765	6 1/2	6 1/2	3/8–3 1/2	4	WV4046
WV1780A	8	7	1/8–3 1/2	4 3/4	WV4046

Machinist's Vises *(Blue-Point)*

- Choice of swivel or non-swivel base
- Large anvil, totally enclosed spindle and nut
- 60,000 PSI high ductile iron for main stress parts
- Swivel models feature slip-proof 360° base, serrated teeth and double lockdowns

Stock No.	Jaw Width, inches	Maximum Opening, inches	Throat Depth, inches	Base
WV300N	3	4 3/4	2 5/8	Stationary
WV400N	4	6 1/2	3 1/2	Stationary
WV450N	4 1/2	7 1/2	4	Stationary
WV500N	5	8	4 1/4	Stationary
WV600N	6	10	5 1/2	Stationary
WV800N	8	12	5 13/16	Stationary
WV300S	3	4 3/4	2 5/8	Swivel
WV350S	3 1/2	5 1/4	2 3/4	Swivel
WV400S	4	6 1/2	3 1/2	Swivel
WV450S	4 1/2	7 1/2	4	Swivel
WV500S	5	8	4 1/4	Swivel
WV600S	6	10	5 1/2	Swivel
WV800S	8	12	5 13/16	Swivel



WV676

Utility Vises

- Regular duty utility vises can be used for a variety of shop applications
- Replaceable serrated jaws, built-in pipe jaws, swivel base and large anvil to handle a variety of jobs

Stock No.	Jaw Width, inches	Maximum Opening, inches	Pipe Capacity, inches	Throat Depth, inches
WV674*	4 1/2	3 3/4	1/8–2	2 5/8
WV675	5 1/2	4 3/4	1/8–2	3 7/16
WV676	6 1/2	5 3/4	1/8–2 1/2	3 11/16
WV656	6	6	1/8–3	4 1/4
WV648*	8	7 1/2	1/8–3	4 1/2

*Features built-in pipe jaws, replaceable steel vise jaw inserts, a locking swivel base and rugged 30,000 PSI body casting.



WVC2

Pipe and Bench Vises (Blue-Point®)

- Large anvil, totally enclosed spindle and nut
- 60,000 PSI high ductile iron for main stress parts
- Replaceable steel vise jaw inserts and milled steel pipe jaws
- Alloy steel slide bar

Stock No.	Jaw Width, inches	Maximum Opening, inches	Pipe Capacity, inches	Throat Depth, inches
WVC0	3 1/2	4	1/8–2 1/2	4 1/2
WVC2	5	7	1/8–4 1/2	5 5/16
WVC3	6	9	3/8–6	6 5/8



WV400N



WV400S

⚠WARNING

- Keep away from children
- Read safety precautions on pages W1 to W4

VISES



WVE105RT

Forged Bench Vises (Blue-Point®)

- Hardened reversible jaws can be reversed for non-marring applications or replaced when worn
- Competitive forged units do not offer replaceable jaws
- 360° swivel base increases versatility because vise can be locked in virtually any position
- Jaw adjustment screws ensure proper alignment and accuracy

Stock No.	Jaw Width, inches	Maximum Opening, inches	Pipe Capacity, inches
WVE104RT	4	3 15/16	1/4–3/4
WVE105RT	5	5 7/8	1/2–2 1/2
WVE106RT	6	7 7/8	1/2–3
WVE107RT	7	8 7/8	3/4–4



BLPMV5

Bench Vises (Blue-Point®)

- Single piece steel blocks for higher load capacity
- Extended anvil
- Lubrication points for maintenance
- Swivel base
- Capacity range from 3.5–9 ton at maximum opening
- Reinforced cantilever support
- Interchangeable jaws
- Diamond ground for better grip
- Heavy duty cast iron construction
- Precise jaw alignment
- Rolled thread spindle for easy locating and tightening parts
- Protected spindle

Stock No.	Jaw Width, inches
BLPMV4	4
BLPMV5	5
BLPMV6	6



WVA4



WVF4



WVP4



WVR4

Jaw Caps

WVA Series. Aluminum grooved caps hold uneven and circular pieces.

WVF Series. Caps with heat-resistant, laminated fibers help prevent outside materials from being absorbed.

WVP Series. Prism caps have horizontal and vertical grooves for marking out, center punching, light tapping and thread cutting.

WVR Series. Caps have rubber covers.

Stock No.	Description	Size, inches
WVA4	Aluminum Alloy Face	4
WVA5	Aluminum Alloy Face	5
WVA6	Aluminum Alloy Face	6
WVF4	Fiber Face	4
WVF5	Fiber Face	5
WVF6	Fiber Face	6
WVP4	Prism Face	4
WVP5	Prism Face	5
WVP6	Prism Face	6
WVR4	Rubber Face	4
WVR5	Rubber Face	5
WVR6	Rubber Face	6

C-CLAMPS



CL537A

Medium Duty C-Clamps

- Maximum strength ribbed iron frame
- Steel screw with full standard threads and sliding T-handle
- Large anvil and steel swivel pad to ensure secure clamping
- Deep throat style

Stock No.	Throat Depth, inches	Capacity, inches	Spindle Dia., inches
CL537A	4 3/4	2 1/2	5/16
CL546A	6 1/4	2 1/2	3/8

Workbenches and Tables

BPWORKBENCH Heavy Duty Workbench (Blue-Point®)
- Full bottom shelf and superior powder-coat finish
- Net weight: 139 lb
- Weight capacity: 1,200 lb
- Top panel: 13 gauge steel
- Bottom shelf: 13 gauge steel
- Steel support: 12 gauge steel
- 60 1/16" W x 30 3/4" D x 34 1/16" H

EQG2223K5 Open Leg Workbench
- Heavy 12 gauge steel with die-formed legs welded into a one-piece unit for superior strength
- Includes storage drawer for mounting on an end or at the center of the bench
- 5' W x 29" D x 33 1/2" H

EQG245U5 Pedestal Workbench
- Manufactured with a heavy 12 gauge top surface and an integral back flange
- Four drawer pedestal is designed with roller drawer rails for smooth, non-binding operation
- 5' W x 27 1/2" D x 34 1/8" H



BPWORKBENCH



EQG2223K5



EQG245U5

PRESSES



CG100



CG471-9

3 Ton Arbor Press

CG100 Arbor Press

Frame is 2" steel channel. Bolts to work bench. Gearing multiplies handle pressure up to 3 ton force. Set includes arbor press frame, CG100-14 utility punch, CG100-15 work block, and CG100-16 adaptor to convert 1/2" drive to 5/16" round drive.

Specifications	Diameter, inches
Dimensions	18" high, 11 1/8" wide
Pressure, tons	3
Base Size	11 1/8" x 6 1/8"
Vertical Capacity	12 3/4"
Opening Width	9"
Width Between Work Brackets	9"
Pressure Shaft Stroke	9" (when utility punch is attached)

Optional Accessories for CG100: The adaptors from A57Q bushing driver set can be used with CG100-16 5/16" round drive adaptor. The CJ951 bearing separator fits neatly between the work support brackets.

Step Plates

Use step plates for the pressing of bearings, bushings and general pressing applications.

Stock No.	Diameter, inches	CG173	CG471A
CG173-1	5/8 and 1	•	
CG173-2	3/4 and 1 1/8	•	
CG173-3	7/8 and 1 1/4	•	
CG173-4	1 and 1 3/8	•	
CG173-5	1 1/8 and 1 1/2	•	
CG471-5	1 1/4 and 1 5/8		•
CG471-6	1 3/8 and 1 3/4		•
CG471-7	1 1/2 and 1 7/8		•
CG471-8	1 5/8 and 2 1/16		•
CG471-9	1 3/4 and 2 3/16		•
CG471-10	1 7/8 and 2 5/16		•
CG471-11	2 and 2 7/16		•
CG471-12	2 1/8 and 2 5/8		•
CG471-13	2 1/4 and 2 3/4		•
CG471-14	2 3/8 and 2 7/8		•
CG471-15	2 1/2 and 3		•
CG471-16	2 3/4 and 3 1/4		•
CG471-17	3 and 3 1/2		•

WARNING
• Keep away from children
• Read safety precautions on pages W1 to W4

AIR COMPRESSORS



BRA7380V



BRA7380VEM



BRA8380V



BRARS8380H



BRA10312H



BRA15312H



BRA20312H

Snap-on® Air Compressors (Three Phase)

Stock No.	Horsepower, HP	Pump Stages	Tank, gal.	Tank Style	Electrical Req.	Amp Req.	Mag Starter	Hour Meter	Auto Tank Drain	Air Delivery SCFM @ PSI	Max. PSI
BRA7380V*†	7	Dual	80	Vertical	208/230V, 3-phase	30 @ 208/230V	Yes	Yes	Yes	23.5 @ 175	175
BRA7380VEM*†	7	Dual	80	Vertical	208/230V, 3-phase	30 @ 208/230V	Yes	No	No	23.5 @ 175	175
BRA8380V*†	8	Dual	80	Vertical	208/230V, 3-phase	30 @ 208/230V	Yes	Yes	Yes	27.0 @ 175	175
BRARS8380H*	8	Rotary Screw	73	Horizontal	208/230V, 3-phase	30 @ 208/230V	Yes	Yes	No	35.0 @ 125	144
BRA10312H*	10	Dual	120	Horizontal	208/230V, 3-phase	40 @ 208/230V	Yes	No	Yes	36.0 @ 175	175
BRA15312H*	15	Dual	120	Horizontal	208/230V, 3-phase	75 @ 208/230V	Yes	No	Yes	48.0 @ 175	175
BRA20312H*	20	Dual	120	Horizontal	208/230V, 3-phase	100 @ 208/230V	Yes	No	Yes	75.0 @ 175	175

*440/460/480V wiring available
†BRA7380V, BRA7380VEM, BRA8380V are available with horizontal tanks via special order.


BRA5DV30VP


BRAC560V


BRA5140H


BRA517V


BRA7180V


BRA7180VEM


BRA8180V


BRARS8180H


BRA9G3B

Snap-on® Air Compressors (Single Phase)

Stock No.	Horsepower, HP	Pump Stages	Tank, gal.	Tank Style	Electrical Req.	Amp Req.	Mag Starter	Hour Meter	Auto Tank Drain	Air Delivery SCFM @ PSI	Max. PSI
BRA5DV30VP	3 (peak)	Single	27	Portable	120/220V, 1-phase	20 @ 120V, 15 @ 220V	Not Req.	No	No	7.0 @ 125	125
BRAC560V	5	Single	60	Vertical	208/230V, 1-phase	20 @ 208/230V	Not Req.	No	No	13.5 @ 140	140
BRA5140H	5	Dual	40	Horizontal	208/230V, 1-phase	30 @ 208/230V	Not Req.	No	No	16.0 @ 175	175
BRA517V	5	Dual	70	Vertical	208/230V, 1-phase	40 @ 208/230V	Yes	No	No	17.5 @ 175	175
BRA7180V*	7	Dual	80	Vertical	208/230V, 1-phase	40 @ 208/230V	Yes	Yes	Yes	23.5 @ 175	175
BRA7180VEM*	7	Dual	80	Vertical	208/230V, 1-phase	40 @ 208/230V	Yes	No	No	23.5 @ 175	175
BRA8180V*	8	Dual	80	Vertical	208/230V, 1-phase	40 @ 208/230V	Yes	Yes	Yes	27.0 @ 175	175
BRARS8180H	8	Rotary Screw	73	Horizontal	208/230V, 1-phase	40 @ 208/230V	Yes	Yes	No	35.0 @ 125	144
BRA9G3B	9	Dual	30	Horizontal	Gas Engine, Electric Start	—	—	No	No	23.0 @ 175	175

*BRA7180V, BRA7180VEM, BRA8180V are available with horizontal tanks via special order.

⚠WARNING

- Use pressure regulator, lubricator and moisture filter on air line
- Follow maintenance requirements
- Read safety precautions on pages W1 to W4

AIR PROCESSING EQUIPMENT


AHR424


AHR426


AHR428


AHR430


AHR423


AHR438

Quick Clamp® Regulators, Filters and Valves

- System utilizes modular design of filters, regulators, lubricators and accessories
- Allows installation and removal of the AHR services units and accessories without breaking a pipe connection
- Clamping device holds AHR product components in rigid combinations

AHR424 General Purpose Filter
- Excellent water removal characteristics
- Standard depth type 40 mm filter element
- Particle removal per ISO 8573-1, Class 5 and Class 3

AHR426 General Purpose Pressure Regulator
- Features full-flow gauge ports and standard relieving regulators
- Low torque, non-rising pressure adjustment knob has integral locking device
- Balanced valve minimizes effect of variation in inlet pressure on the outlet pressure

AHR428 Oil Filter Lubricator
- Features a quick release bayonet bowl, a high visibility prismatic lens and a liquid level indicator
- Lubricates a single tool, cylinder or other air-powered device

AHR430 General Purpose Filter/ Regulator
- Low torque, non-rising pressure adjustment knob has integral locking device
- Standard depth type 40 µm filter element
- Particle removal per ISO 8573-1, Class 5 and Class 3

AHR423 Automatic Drain Valve
- When fluid reaches full level it activates the float and drains unwanted oil and water automatically
- Can be used in place of a manual drain on the following units: AHR424 and AHR430

AHR438 Wall Mount Bracket
- Made of heavy duty metal
- Can be used on the following units: AHR424, AHR426, AHR428 and AHR430

Filters/Regulators

Stock No.	Maximum Inlet Pressure, psig (bar)	Temperature Range, °F (°C)	Flow, scfm	Drain Connection Manual	Drain Connection Automatic	Inlet/Outlet Port Size	Gauge Port
AHR424	250 (17.2)	175 (79)	150	7/16"-24 UNS (m)	1/8" NPT(f)	1/2" NPT(f)	—
AHR426	300 (20.7)	0–175 (-18–79)	—	—	—	1/2" NPT(f)	1/4" NPT(f)
AHR428	250 (17.2)	175 (79)	3.5-100	7/16"-24 UNS	—	1/2" NPT(f)	—
AHR430	250 (17.2)	0–175 (-18–79)	—	7/16"-24 UNS	1/8" NPT(f)	1/2" NPT(f)	1/4" NPT(f)

*Blue-Point®


AHRB200

Regulators, Filters and Valves

Stock No.	Inlet/Outlet Port Size	Adjustable Pressure Range	Maximum Service Pressure	Oil Capacity	Operating Temperature Range
AHRB200	1/2" NPT (F)	5–120 psig (.5–8.5 kgf/cm²)	140 psig (9.9 kgf/cm²)	80 mL	41–140 °F (5–60 °C)

WHEN YOUR SHOP IS CLEAN, YOU CLEAN UP.

A clean garage is an efficient garage. And an efficient garage is one that makes more money.

Cleaning Equipment — Snap-on has all the solutions to keep your tools and garage looking polished. Which means you – and your shop – will shine.

Parts Washers — Whether your shop requires solvent-based or aqueous units, Snap-on carries a full line to meet your cleaning needs.

MORE GREEN.

Minimize the service fees to have used solvent carried away. A Snap-on® parts washer saves you money – and, helps save the environment.

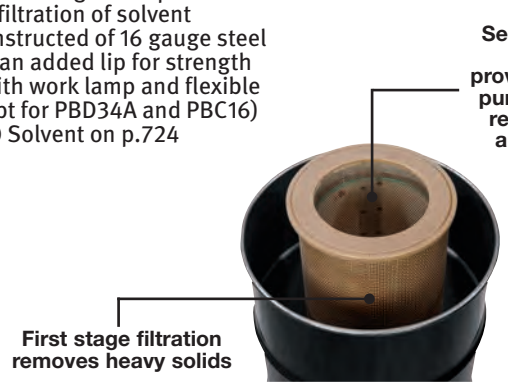


PARTS WASHERS: SOLVENT BASED

Snap-on® dual filter parts washers provide a clean supply of solvent for washing parts. Filtration system virtually eliminates solvent changes.

Parts Washers

- Composite dual stage filter provides continuous filtration of solvent
- Tubs are constructed of 16 gauge steel and feature an added lip for strength
- Complete with work lamp and flexible spout (except for PBD34A and PBC16)
- Use PBA760 Solvent on p.724



Dual Stage Filter



PBD3222A



PBC4828



PBD2622A



PBC16



PBD34A

Specifications	PBD3222A	PBC3222A	PBC4828	PBD2622A	PBC16	PBD34A*
Filtration	Dual	Dual	Dual	Dual	—	—
Base	Drum	Square	Square	Drum	—	Drum
Inside Dimensions, inches	10 H x 32 W x 22 D	10 H x 32 W x 22 D	14 H x 48 W x 28 D	7 H x 26 W x 17 D	6 H x 15 W x 16 D	7 H x 28 W x 22 D
Fluid Requirements gal	20	20	20	10	5	10
Input, V AC (Hz)	120V AC (60Hz)	120V AC (60Hz)	120V AC (60Hz)	120V AC (60Hz)	120V AC, 60Hz	120V AC (60Hz)
Pump Volume, GPH	325	325	325	210	210	210
Output Pressure, PSI	50	50	50	50	50	50
Overall Dimensions, inches	39 H x 36 W x 26 D	39 H x 36 W x 26 D	45 H x 52 W x 32 D	34 H x 30 W x 21 D	10 H x 1 W x 23 D	35 H x 31 W x 23 D
Open Height, inches	63	63	75	53	23	60
Replacement Filter	PBD3209	PBD3209	PBD3209	PBD3202	—	—
European Models	PBDH3222AEUR	PBCH3222AEUR	PBCH4828EUR	PBDH2622AEUR	—	—
PBD1751 Parts Tray	Included	Included	Included	—	PBCH16-EUR	Optional
PBA720A Drain Table	Optional	Optional	Optional	—	—	Optional

*Blue-Point®
European Model – (230V AC, 50Hz)
† CE

TECHNICAL SUPPORT 1-800-253-3661



PBC33B



PBC42B



PBC57A



PBC3022

Electric Medium Duty PBC42B

PBC33B Heated Aqueous Parts Washer

- Clean parts with a pressurized cleaning spout
- Heated for additional effectiveness
- Polysateen drain filter to remove solids
- Heavy wall polyethylene tub and solid base
- Integral oil skimmer removes oil and grease from the cleaning solution
- Includes five gallons of PBA733 cleaning solution and one gallon of PBA734 cleaning concentrate booster
- Low solution warning indicator

PBC42B High-Pressure Parts Washer

- Fully enclosed aqueous parts washer
- Blast parts clean with a high-pressure wand
- Soap solution is heated for additional effectiveness
- Automatic soak cycle loosens up grime
- Screen and contaminant trap to separate oil and grease from soap solution
- Includes 25 lbs of YADW896B powdered soap



PBC55-1



PBC55-3

Electric Heavy Duty

PBC57A High-Pressure Automatic Parts Washer

- Automatically cleans engine blocks, cylinder heads, transmission cases and small parts
- Heated and pressurized soap solution
- 20 high-pressure nozzles
- Turntable rotates and pulls out for ease of part loading
- Integral oil skimmer removes oil and grease from the soap solution
- Includes 25 lb of YADW896B powdered soap

PBC55-1 Parts Basket

- Perforated steel basket for holding small parts

PBC55-3 Parts Tree

- Welded steel tube rack for hanging smaller parts

PBC3022 Heated Aqueous Parts Washer

- Compact design is portable and can be moved to the job site easily
- Sealed lid prevents splashing when used on mobile service vehicles
- Heavy plastic body and lid constriction is made out of high density polyethylene
- Stainless-steel mesh work surface for durability and strength
- Heating element increases cleaning effectiveness and is thermostatically controlled
- Features a 5-micron filter to separate out dirt and debris
- On/off switch is lighted for greater visibility in low ambient light conditions
- Includes two gallons of PBA735 cleaning concentrate

Specifications	PBC33B	PBC42B	PBC57A	PBC3022
Depth, inches	28	24	35	22
Reservoir Capacity, gal	20	12	60	6
Electrical Requirements	120V AC, 60Hz	230V AC, 60Hz	230V AC, 60Hz	120V AC, 60Hz
Pump Motor, HP	—	3/4	2	—
Output Pressure, PSI	50	500	45	50
Volume, gal/h	325	180	2,700	200
Heater, watts	1,500	1,500	9,000	1,500
Open Height, inches	65	69	69	32
Inside Dimensions, inches	10 H x 21 W x 31 1/2 D	16–24 H x 40 W x 24 D	41 H x 35 W x 35 D	14 H x 17 W x 12 D
Overall Dimensions, inches	42 H x 37 W x 28 D	65 H x 44 W x 24 D	69 H x 53 W x 43 D	16 H x 30 W x 22 D

European Models – PBCH33B-EUR† (230V AC, 50Hz), PBCH42B-EUR† (230V AC, 50Hz), PBCH57AEUR† (230V AC, 50Hz)
† CE

⚠WARNING

- Do not direct air or fluid stream at body
- Do not expose solvent to flames, sparks or other source of ignition
- Use in well ventilated area
- Do not use washer without fusible link or safety valve intact
- Read safety precautions on pages W1 to W4

PARTS WASHERS: ACCESSORIES



YA452



GA501A



YADW896B



PBA760



PBA725



PBA720A



PBD1751

Parts Cleaning Brushes/Solvent & Aqueous Based (Blue-Point®)

YA452 Parts Cleaning Brush
- Stiff bristles with contoured, nonslip plastic handle
- Attaches to most parts washers
- Flared hose end fits 1/4" spouts: 24" long hose has internal spring to prevent kinking
- 35 1/4" overall length

GA501A Parts Cleaning Brush
- Similar to YA452 without hose: 11 1/4" long

Aqueous Based Cleaning Solution and Powder

YADW896B Powdered Soap Cleaner
- Low foaming powdered soap solution
- For use in PBC57, PBC57A, PBC42 and PBC42A parts washers
- Comes in a 25 lb container – makes 60– 20 gal solution

PBA734 Cleaning Solution Additive
- Used in both PBC3022 and PBC33B for an added boost of cleaning power

PBA733 Certified Green Concentrate Solution
- Specially formulated solution does not absorb oil and dirt
- For use in PBC33A and B parts washers
- Comes in a 5 gal container – makes 20 gallons of solution

PBA735 Certified GreenConcentrate Solution
- Same as PBA733 except 1 gallon container

Petroleum Based Solvent Cleaners

PBA760 Solvent Cleaner
- Excellent for removing oil and grease
- Petroleum based cleaner with 140 flash point
- For solvent based parts washers only
- Comes in a 5 gallon container

Solvent Based Parts Washer Accessories

PBA725 Parts Basket
- Hangs inside solvent based parts washers

PBD1751 Parts Tray
- Attaches to outside of parts washer
- Measures 12 1/2" W x 18 1/2" D

PBA720A Drain Table
- Attaches to outside of parts washer
- Measures 25 1/2" W x 18 1/2" D

PARTS CLEANING



YA571



GA299



NOZZLEPG1



NOZZLESPRY1



YA297



NOZZLE360A

Water Nozzles and Hoses

YA571 Water Spray Nozzle
- Sprays hot or cold water
- Clip locks spray at desired setting
- Nose bumper prevents scratches to auto paint
- Fits standard garden hose threads

GA299 Air Solvent Gun
- Used for degreasing or applying oils
- Quickly converts to long wanded air gun
- Includes 8' hose for siphoning chemicals into gun
- Operates on 35–175 PSI

NOZZLEPG1 Pistol Grip Hose Nozzle
- Precision flow port allows water to flow directly and not "up" and through the handle, increasing water flow, pressure and power by approximately 30%
- Multiple spray patterns from jet, fan, power and even low flow
- Works with any standard 5/8" or larger water hose

NOZZLESPRY1 Hoze Nozzle
- Multiple spray patterns from jet, fan, power and even low flow
- Extra long handle for better grip
- Works with any standard 5/8" or larger water hose

YA297 Water Saving Hose Nozzle *(Blue-Point)*
- Provides concentrated pressure stream
- Features special rocker actuated check valve
- Fits standard garden hose threads
- 9" long

NOZZLE360A Water Spray Nozzle *(Blue-Point)*
- Turns any standard 5/8" hose into a multifunction cleaning tool
- Five different spray patterns
- 360° jetted nozzle is engineered from rugged extruded aluminum, forged stainless-steel, high grade fiberglass and comfort grip santoprene
- Two-way shutoff



YA730D



YA729B

Hose Reels

YA730D Heavy Duty Air/Water Hose Reel
- 50' of 3/8" ID low-pressure rubber hose
- Adjustable ball stop
- 24" connecting hose
- High carbon steel retraction spring
- Guide arm adjusts to four positions

YA729B Hose Reel
- 30' of 3/8" ID low-pressure rubber hose
- Adjustable ball stop
- 12" connecting hose
- Metal construction
- Max. pressure 300 PSI
- Max. water temperature 200 °F

PRESSURE WASHERS: COLD WATER

Includes ceramic plunger pump with stainless-steel valves, trigger gun, chemical injection and adjustable pressure.



SEPW1500P



SEPW1000



SEPW1500SM



SEPW1500USA

Electric Powered

Adjustable 0°–60° spray nozzle and GFCI protection with 35' power cord.

Specifications	SEPW1500P	SEPW1500SM	SEPW1000	SEPW1500USA
Style	Hand Carry	Wall Mounted	Cart Mounted	Cart Mounted
PSI (bar)	1,450 (100)	1,450 (100)	1,000 (69)	1,500
GPM (lpm)	2 (7.6)	2 (7.6)	2 (7.6)	2 (7.6)
HP	2	2	1.5	2
Voltage	120V/20A/single phase	120V/20A/single phase	120V/15A/single phase	120V/17A
Chemical Tank Cap.	—	—	1 gal	—
Pump Max. Temp.	140 °F	180 °F	140 °F	140 °F
Thermal	Mechanical	Mechanical	Mechanical	Mechanical
Hose Length (feet)	26	40	50	25
Dimensions (L x W x H)	18" x 12" x 11"	20" x 12" x 20"	21" x 16" x 36"	30" x 21 1/2" x 36"
Shipping Wt., lb	68	98	65	150

⚠WARNING

- Do not direct air or fluid stream at body
- Read safety precautions on pages W1 to W4

PRESSURE WASHERS

Gas Engine

Interchangeable or adjustable 0–40° spray nozzle plus powder-coated tube frame cart with pneumatic tires.

Specifications	SEPW1600G	SEPW2700G
Style	Cart Mounted	Cart Mounted
PSI (bar)	1,600 (110.4)	2,700 (183.3)
GPM (lpm)	3 (11.4)	3 (11.4)
HP	5	6.5
Engine	Honda® GC	*Honda* GX
Fuel Tank Cap.	1.9 qt	1 gal
Chemical Tank Cap.	3 gal	3 gal
Thermal	165 °F	165 °F
Hose Length (feet)	50	50
Dimensions (L x W x H)	30" x 21.5" x 36"	30" x 21.5" x 36"
Shipping Wt., lb	87	108



SEPW1600G



SEPW2700G

OIL FIRED HOT WATER

Heats water to 200 °F. Includes ceramic plunger pump with stainless-steel valves, trigger gun, interchangeable nozzles, chemical injection, adjustable pressure, stainless-steel cold wrap-around coil, poly fuel tanks and GFCI protection. Powder-coated tube-frame cart with pneumatic tires for extra durability.



SEPW30SHDE



SEPW3000QH

Electric Power

Specifications	SEPW14SHDE	SEPW15SHDE	SEPW20SHDE	SEPW30SHDE
PSI (bar)	1,450 (100)	1,500 (103.5)	2,000 (138)	3,000 (207)
GPM (lpm)	2 (7.6)	3 (11.4)	3	4 (15.2)
HP	2	3	5	7.5
Voltage	120V/20A/ single phase	230V/20A/ single phase	230V/25A/ single phase	230V/34A/ single phase
Burner Fuel Capacity	5 gal	5 gal	5 gal	5 gal
Dimensions (L x W x H)	34" x 27" x 47"	34" x 27" x 47"	34" x 27" x 47"	34" x 27" x 47"
Shipping Wt., lb	350	350	570	600

Gas Engine

Specifications	SEPW3000QH
PSI (bar)	3,000 (207)
GPM (lpm)	4 (15.2)
HP	13
Engine	*Honda*
Fuel Tank Capacity	6.9 qts
Burner Fuel Capacity	5 gal
Dimensions (L x W x H)	54" x 32" x 49"
Shipping Wt., lb	600

VACUUMS/SHOP FANS: VACUUMS



AV1000A Deluxe Air Vacuum Kit (Blue-Point®)

- Ideal for vehicle media body shops or any applications in need of picking up dust, metal shavings or broken glass
- Includes 8.7" aluminum extension tube, pointed nozzle, flexible tube and crevice tool with brush
- Large collection bag includes a debris baffle and sliding bag clamp for emptying debris
- Lightweight ergonomic handle design

Industrial strength full wet and dry cleaning/drying machines combine the highest degree of suction/airflow with ruggedly durable motors. Highest quality materials ensure long life. Ball bearing motor designed for strong performance with less motor strain. Engineered for easy portability and long life.



YA1023A

YA1105A

YA1009SSA

BLPVAC5

Specifications	YA1023A	YA1105A	YA1009SSA	BLPVAC5*
Tank	23 gal Poly	Corrosion Resistant	Corrosion Resistant	5 gal Polypro
Casters	Large Rear/Swivel Front	4 Swivel	Large Rear/Swivel Front	4 Metal Casters
Waterlift	93"	93"	93"	65"
Motor	2-Stage	2-Stage	2-Stage	1-Stage
CFM	99	99	99	49
Approvals	UL® and CUL®	*UL* and *CUL*	*UL* and *CUL*	*UL* and *CUL*
Operation	Full Wet and Dry	Full Wet and Dry	Full Wet and Dry	Full Wet and Dry
Filter Assembly	YAT90448	YAT24519	YAT90445	(Washable Cartridge Filter)
Includes	1.5" Wet/Dry Tool Set (hose w/ swivel end, crevice tool, upholstery tool, 2 straight extensions, floor tool housing with carpet face, brush face, squeegee face)	1.5" Wet/Dry Tool Set (hose w/ swivel end, crevice tool, upholstery tool, 2 straight extensions, floor tool housing with carpet face, brush face, squeegee face)	1.5" Wet/Dry Tool Set (hose w/ swivel end, crevice tool, upholstery tool, 2 straight extensions, floor tool housing with carpet face, brush face, squeegee face)	7' hose (1 1/4" dia.), 3 extension wands, washable cartridge filter, reusable foam sleeve, 10" floor/squeegee nozzle, utility nozzle with brush and crevice tool

*Blue-Point®



YA1102

Portable Spotter

YA1102 Portable Spotter

- Use on carpeting, seat fabrics and other cleaning needs
- Durable molded tank
- Large 2 gallon capacity
- Powerful 55 PSI solution pump motor
- Strong recovery with 94 CFM vacuum rating
- Quick disconnect solution hose at body
- Includes hose and hand tool
- Use with CLEAN1A cleaner solution (32 oz) sold separately
- *UL* and CSA® listed
- ETL and ETL-c listed
- 84" waterlift
- Bypass 1.2 HP motor

SHOP FANS



WIND100

WIND100 Heavy Duty Air Mover

- For heavy duty air circulation applications
- Use for drying carpets, upholstery or hard floors plus removing vapors from enclosed spaces
- Maximum 2,500 CFM output
- Three-position discharge adjustment
- Three-speed switch

Specifications	WIND100
Power	120V AC/60Hz
Speeds	3
Air Delivery	1,600 – 2,000 – 2,500 CFM
Air Flow Direction	0°/30°/90°
High Output Fan Size	10 3/4" D x 10 1/2" W
Motor	.5 HP
Motor Rating	Continuous Duty
Power Cord	15' (18/3)
Size (H x W x D)	18" x 14" x 20 1/2"

⚠WARNING

- Do not direct air or fluid stream at body
- Read safety precautions on pages W1 to W4

SAFETY FIRST AND FOREMOST.

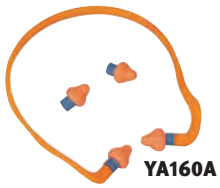
A safe shop means that everything is protected – you, your clients and your assets.

Safety Equipment — Do your job safely and comfortably with Snap-on® safety equipment: from basic safety glasses to cutting edge-designed face protectors, and more.




GA3000B


GA3200


YA160A


BLPEP1

Ear Protection

Specifications	GA3000B*	GA3200	YA160A	BLPEP1
Noise Reduction Rating, dB	25	28	25	21
Headband	Cushioned	Cushioned	Plastic	Plastic
Ear Piece	Cushioned	Cushioned	Foam	Foam
Adjustable Ear Piece	21	Plastic	Foam	N/A
Ear Piece Replacements	N/A	N/A	YA160A1	BLPEP1-1
Weight, lb	.49	.77	.06	.05

*Blue-Point®


EFPBONEHEDB


EFPSTRIKERB


EFPHANNIBALB


EFPNSTLKRB


EFPJURASSIC


EFPOLEGLORY

Face Protection

Specifications	EFPBONEHEDB	EFPSTRIKERB	EFPHANNIBALB	EFPNSTLKRB	EFPJURASSIC	EFPOLEGLORY
Shield Style	180° Peripheral	180° Peripheral	180° Peripheral	180° Peripheral	180° Peripheral	180° Peripheral
Headband	Yes	Yes	Yes	Yes	Yes	Yes
Adjustable Headband	Yes	Yes	Yes	Yes	Yes	Yes
Impact Resistance	Yes	Yes	Yes	Yes	Yes	Yes
Shield Included	Clear and #10 Welding	Clear and #10 Welding	Clear and #10 Welding	Clear and #10 Welding	Clear and #10 Welding	Clear and #10 Welding
Replacement Shields	EFPCLLENSREP	EFPCLLENSREP (Clear) EFP3WLDLENS (#3 Welding) EFP5WLDLENS (#5 Welding) EFP8WLDLENS (#8 Welding) EFP10WLDLENS (#10 Welding) EFP12WLDLENS (#12 Welding)	EFPCLLENSREP (Clear) EFP10WLDLENS (#10 Welding)	EFPCLLENSREP (Clear) EFP10WLDLENS (#10 Welding) EFP3WLDLENS (#3 Welding) EFP5WLDLENS (#5 Welding) EFP8WLDLENS (#8 Welding) EFP12WLDLENS (#12 Welding)	EFPADFLENSA	EFPADFLENSA

Face Shields

Specifications	GA225
Shield Style	Flat
Shield Size	7 3/4" x 15 1/4"
Headband	Yes
Adjustable Headband	Yes
Impact Resistance	Yes
Shield Included	Clear
Replacement Shields	GA225-1 (with PETG) GA225-2 (with PC)


GA225

Safety Glasses/Glass 1 Series

Specifications	GLASS1R	GLASS1BK
Lens	Clear	Clear
Frame	Red	Black
Anti-fog Lens Coating	Yes	Yes
Anti-scratch Lens Coating	Yes	Yes
Temple Length Adjustment	Yes	Yes
Tilt Adjustment	Yes	Yes
Design	Contemporary & Lightweight	Contemporary & Lightweight
Lens Replacement Available	Yes	Yes
Meets Requirements	ANSI® Z87.1, CSA® Z94.3-1992, EN166	*ANSI* Z87.1, *CSA* Z94.3-1992, EN166


GLASS1R


GLASS1BK

⚠WARNING

• Read safety precautions on pages W1 to W4

EYE PROTECTION

Safety Glasses/Glass 9, 10 and 12 Series


GLASS9BK


GLASS10BK


GLASS12BKA

Specifications	GLASS9BK	GLASS10BK	GLASS12BKA
Lens	Clear	Brown	Clear
Frame	Black	Black	Black Ear Pieces
Anti-fog Lens Coating	Yes	Yes	—
Anti-scratch Lens Coating	Yes	Yes	—
Temple Adjustment	Yes	Yes	5 Position
Design	Contemporary, sporty wraparound	Contemporary, sporty wraparound	Frameless, Sleek, Comtemporary
Meets Requirements	ANSI® Z87.1	*ANSI* Z87.1	*ANSI* Z87.1

ANSI Z87.1, CSA® Z94.3 and MIL-STD-662.

Safety Glasses/Glass 20 Series


GLASS20BKYA


GLASS20BLMA


GLASS20BKWA


GLASS20BLA

Specifications	GLASS20BKYA	GLASS20BLMA	GLASS20BKWA	GLASS20BLA
Lens	Amber	Mirror	Dark Green (Shade #5)	Clear
Frame	Black	Blue	Black	Blue
Lens Replacement Available	—	—	GLASS20LENSW	—
Additional Info	White Snap-on® Logo on Temples	White *Snap-on* Logo on Temples	White *Snap-on* Logo on Temples	White *Snap-on* Logo on Temples

ANSI Z87.1, *CSA* Z94.3 and MIL-STD-662


GLASS30R


GLASS30BK


GLASS31R


GLASS31BK

Safety Glasses/Glass 30 and 31 Series

Specifications	GLASS30R	GLASS30BK	GLASS31R	GLASS31BK
Lens	Clear	Clear	Clear	Clear
Frame	Red	Black	Red	Black
Anti-fog Lens Coating	Yes	Yes	Yes	Yes
Anti-scratch Lens Coating	Yes	Yes	Yes	Yes
Ventilation Channel	Yes	Yes	—	—

ANSI Z87.1


GLASS50BK


GLASS50R


GLASS60BK


GLASS60R


GLASS60SAP

Safety Glasses/Glass 50 and 60 Series

Specifications	GLASS50BK	GLASS50R	GLASS60BK	GLASS60R	GLASS60SAP
Lens	Clear	Clear	Clear	Clear	Clear
Frame	Black	Red	Black	Red	Sapphire
Anti-fog Lens Coating	Yes	Yes	Yes	Yes	Yes

ANSI Z87.1 and CE EN166


SOGKRDHF13


SOGKWHHF13


SOGKBFSM01


SOWIC08

Safety Glasses/Gasket® Series

- Impact resistant polycarbonate lens
- Scratch resistant hard coated lens
- Lightweight adjustable frame
- Meets *ANSI* Z87.1-2010
- Polychromatic Hellfire® Lens (SOGKRDHF13 and SOGKWHHF13 only) darkens in UV sunlight to 17% dark and moves to 84% clear at night
- Black Smoke glasses have neutral gray lens tint suitable for all situations

SOGKRDHF13 *Gasket* Red *Hellfire* Safety Glasses
SOGKWHHF13 *Gasket* White *Hellfire* Safety Glasses
SOGKBFSM01 Gasket® Black Smoke Safety Glasses

SOWIC08 Lens and Screen Cleaner, Wick it Clean®, 8-pack
Lens cleaner kit for SOGK Series safety glasses. Available in 8-pack only.

Safety Glasses with Ear Plugs (Blue-Point®)

- Lightweight
- Contemporary design with polycarbonate lens that absorb 99.9% UV
- Built-in ear protection
- Nylon slide allows for easy extension and retraction of tethered ear plugs
- Ear plugs extend over 4 1/2" for easy insertion into ear canals
- Soft plastic nose bridge provides added comfort and adjustablility
- ANSI® Z87.1

GLASS40CEAR Clear Lens
GLASS40YEAR Amber Lens
GLASS40GEAR Gray Lens
GLASS40-1 Replacement Ear Plugs



GLASS40CEAR

Protective Eyeshields

GLASSVIS Protective Eyeshields

- Will fit over prescription glasses or can be worn alone
- Wraparound side shields, impact resistant and anti-glare guard
- Clear uncoated lens with black frames
- *ANSI* Z87.1, CSA® Z94.3 and MIL-STD-662



GLASSVIS

GLASS1BOTG Protective Eyeshields

- Single panoramic lens offers increased visibility
- Protective coating resists fogging, scratching, static and UV rays
- Frames adjust horizontally and vertically for comfort
- Side impact protection
- Universal nose bridge
- Snap-on® logo on ear piece
- *ANSI* Z87.1



GLASS1BOTG

Safety Goggles

GAC1580A Dust/Impact Goggles

- Economic splash goggle with transparent clear body and indirect ventilation
- Fits over most prescription eyewear
- Fog-Ban® anti-fog coating
- Meets *ANSI* Z87.1-2010 and is certified to *CSA* Z94.3 standards



GAC1580A

GOGGLE1 Protective Goggles

- *ANSI* Z87.1-1989



GOGGLE1

GOGGLE2ATOR Safety Goggles

- Durable molded frame with soft and flexible elastomer that seals for a custom fit
- Quick adjust headband clips permit fast and easy fitting
- Indirect ventilation system channels and directs airflow over the lens, minimizing fogging and improving vision potential while providing superior splash and impact protection
- *Uvex 4C+* lens coating to protect against fogging, scratches and UV rays
- *ANSI* Z87.1



GOGGLE2ATOR



YA127C

Respirators and Filters

- Respirators and Filters note: Do not exceed maximum use concentrations established by regulatory standards

YA127C Half Mask Respirator

- Includes organic vapor cartridges and N95 pre-filters
- Approved by NIOSH and meets OSHA regulations governing particulate respirators under 42 CFR 84
- Large sealing surface and advanced yoke design for excellent nonslip fit
- Helps protect against organic vapors, dusts and mists when used with YA1991 N95 pre-filter and YA1992 organic vapor cartridge



YA127C9

YA127C9 Pre-filter/Filter Set

- Includes plastic cover, YA1991 N95 pre-filter and YA1992 organic vapor cartridge



YA199

YA199 Full Face Respirator

- Includes two organic vapor cartridges and two N95 pre-filters
- Provides a comfortable fit with durable silicone face piece, standard nose cup to prevent fogging and exceptional wide view anti-scratch lens
- Helps protect against organic vapors, dusts and mists when used with YA1991 N95 pre-filter and YA1992 organic vapor cartridge



YA1991

YA1991 N95 Pre-filter

- 95 filter efficiency level
- Effective against particulate aerosols free of oil
- Includes six pairs



YA1992

YA1992 Organic Vapor Cartridge

- Protects against organic vapors
- Includes one pair
- Do not use with isocyanates

⚠WARNING

• Read safety precautions on pages W1 to W4

GLOVES



GLOVE500BLB



GLOVE500RLB

Technician SuperCuff® Gloves

- Patented *SuperCuff* design provides a super comfortable, snug and secure wrist closure design while not restricting wrist and hand movement
- Low-profile TPR (Thermal Plastic Rubber) logo treatments
- Heavy Lycra® panels between fingers allows for greater comfort and fit
- Hidden interior stitching enhances glove life
- Gloves are machine washable. Air dry only
- Reduced seam design for the index finger
- New streamline logo treatments



GLOVE501BLB



GLOVE501RLB

Impact *SuperCuff* Gloves

- *SuperCuff* design provides a super comfortable, snug and secure fit without restricting wrist and hand movement
- New reduced seam design for the index finger
- New full finger dorsal TPR (Thermal Plastic Rubber) protection
- New two-layer fingertips for longer life
- New streamline logo treatments
- Enhanced dexterity

Technician *SuperCuff*	Stock No.	Color	Size
	GLOVE500BSB†	Black	Small
	GLOVE500BMB†	Black	Medium
	GLOVE500BLB†	Black	Large
	GLOVE500BXLB†	Black	XL
	GLOVE500BXXB†	Black	XXL
	GLOVE500RSB†	Red/Black	Small
	GLOVE500RMB†	Red/Black	Medium
	GLOVE500RLB†	Red/Black	Large
	GLOVE500RXLB†	Red/Black	XL
	GLOVE500RXXB†	Red/Black	XXL

Impact *SuperCuff*	Stock No.	Color	Size
	GLOVE501BSB†	Black	Small
	GLOVE501BMB†	Black	Medium
	GLOVE501BLB†	Black	Large
	GLOVE501BXLB†	Black	XL
	GLOVE501BXXB†	Black	XXL
	GLOVE501RSB†	Red/Black	Small
	GLOVE501RMB†	Red/Black	Medium
	GLOVE501RLB†	Red/Black	Large
	GLOVE501RXLB†	Red/Black	XL
	GLOVE501RXXB†	Red/Black	XXL

† CE



GLOVE502BLA



GLOVE502RLA

Heavy Duty *SuperCuff* Gloves

- Dual fingertip layers for protection and control
- Thermal plastic rubber protection panels help eliminate cuts and scrapes
- Built-in tool rest provides extra support with pneumatic tools
- Gel padding in the palm reduces impact
- 5 mm EVA foam
- Accordion style knuckle protection

Stock No.	Color	Size
GLOVE502BSA†	Black	Small
GLOVE502BMA†	Black	Medium
GLOVE502BLA†	Black	Large
GLOVE502BXLA†	Black	XL
GLOVE502BXXA†	Black	XXL
GLOVE502RSA†	Red/Black	Small
GLOVE502RMA†	Red/Black	Medium
GLOVE502RLA†	Red/Black	Large
GLOVE502RXLA†	Red/Black	XL
GLOVE502RXXA†	Red/Black	XXL

† CE



GLOVELMOSS

SuperCuff Cold Weather

- MOSSY OAK® poly spandex fleece top lined with Bremberg® for additional insulation
- Lined genuine leather palm and index finger which offers incredible dexterity and durability along with added insulation from cold weather



GLOVE503RCL

SuperCuff Heavy Duty Carbon Knuckle

- Hard Carbon Knuckle helps protect from heavy impacts in knuckle and back of the hand area
- Two layer palm with nonslip panels on thumb, index and middle fingers allows the user to perform the most extreme tasks without losing control
- Gel palm padding reduces vibrations without compromising dexterity

Stock No.	Color	Size
GLOVELMOSSM	*Mossy Oak*	Medium
GLOVELMOSSL	*Mossy Oak*	Large
GLOVELMOSSXL	*Mossy Oak*	XL
GLOVELMOSSXX	Mossy Oak	XXL

Stock No.	Color	Size
GLOVE503RCS†	Red	Small
GLOVE503RCM†	Red	Medium
GLOVE503RCL†	Red	Large
GLOVE503RCXL†	Red	XL
GLOVE503RCXX†	Red	XXL

† CE

Hi-Vis Technician SuperCuff® Gloves

- *SuperCuff* design provides a super comfortable, snug and secure fit without restricting wrist and hand movement
- Reduced seam design for the index finger
- New streamline logo treatments



GLOVE500HLB

Hi-Vis Impact *SuperCuff* Gloves

- Extreme all-over protection
- Cut-resistant palm and thumb
- Reflective fingertips and cuff piping
- New streamline logo treatments
- Incredible dexterity
- Great for tow truck workers



GLOVE501HLB

Hi-Vis Carbon Knuckle *SuperCuff* Gloves

- *SuperCuff* design provides a super comfortable, snug and secure fit without restricting wrist and hand movement
- New reduced seam design for the index finger
- New full finger dorsal TPR (Thermal Plastic Rubber) protection
- New two-layer fingertips for longer life
- New streamline logo treatments
- Enhanced dexterity



GLOVE503HCL

	Stock No.	Size		Stock No.	Size		Stock No.	Size
Hi-Vis Tehnician *SuperCuff*	**GLOVE500HMB**†	Medium	**Hi-Vis Impact *SuperCuff***	**GLOVE501HMB**†	Medium	**Hi-Vis Carbon Knuckle *SuperCuff***	**GLOVE503HCM**†	Medium
	GLOVE500HLB†	Large		**GLOVE501HLB**†	Large		**GLOVE503HCL**†	Large
	GLOVE500HXLB†	XL		**GLOVE501HXLB**†	XL		**GLOVE503HCXL**†	XL
	GLOVE500HXXB†	XXL		**GLOVE501HXXB**†	XXL		**GLOVE503HCXX**†	XXL

†CE

Impact Gloves (M-Pact® I Series)

- Designed for extra protection
- Anti-vibration palm protection and reinforced fingers
- Molded TPR (Thermal Plastic Rubber) top helps prevent cuts, scrapes and bruises



GLOVE301ARL

Impact Gloves (*M-Pact* II Series)

- Compression-molded thumb panel
- Additional panels protect fingertips
- Stretch neoprene cuff with molded TPR closure
- Molded TPR (Thermal Plastic Rubber) protection protects top of the hand and knuckles
- High-abrasion grip finger
- Durable abrasion-resistant synthetic palm
- 2 mm Poron® pad sandwiched between abrasion-resistant grip and molded TPR



GLOVE305L

Impact Gloves (*M-Pact* III Series)

- 2pc 3D compression-molded knuckles protected with ballistic laminate
- Stretch neoprene cuff with molded TPR closure
- Molded TPR (Thermal Plastic Rubber) protection protects top of the hand and knuckles
- High-abrasion grip finger
- Durable abrasion-resistant synthetic palm
- 2 mm *Poron* pad sandwiched between abrasion-resistant grip and molded TPR



GLOVE306L

	Stock No.	Size		Stock No.	Size		Stock No.	Size
Impact Gloves (*M-Pact* I Series)	**GLOVE301ARS**†	Small	**Impact Gloves (*M-Pact* II Series)**	**GLOVE305S**	Small	**Impact Gloves (*M-Pact* III Series)**	**GLOVE306S**	Small
	GLOVE301ARM†	Medium		**GLOVE305M**	Medium		**GLOVE306M**	Medium
	GLOVE301ARL†	Large		**GLOVE305L**	Large		**GLOVE306L**	Large
	GLOVE301ARXL†	XL		**GLOVE305XL**	XL		**GLOVE306XL**	XL
	GLOVE301ARXX†	XXL		**GLOVE305XX**	XXL		**GLOVE306XX**	XXL

†CE

Wrecker Gloves

- Extreme all-over protection
- Cut-resistant palm and thumb
- Reflective fingertips and cuff piping
- New streamline logo treatments
- Incredible dexterity
- Great for tow truck workers



GLOVE504HXL



GLOVE504BXL

Stock No.	Color	Size	Stock No.	Color	Size
GLOVE504HL	Hi-Vis Yellow/Black	Large	**GLOVE504BL**	Black	Large
GLOVE504HXL	Hi-Vis Yellow/Black	XL	**GLOVE504BXL**	Black	XL
GLOVE504HXX	Hi-Vis Yellow/Black	XXL	**GLOVE504BXX**	Black	XXL

GLOVES



GLOVE600L



GLOVE600LG



GLOVE600LO

Original Mechanic's Gloves

- Form-fitting stretch spandex top
- Long-lasting two-layer thumb panel
- Additional panels of synthetic protection surround the fingertips
- Machine washable – will not shrink or fade
- Flexible TPR wrist closure
- Moisture-wicking trek dry material
- Durable abrasion-resistant synthetic palm

Stock No.	Color	Size
GLOVE600S	Red	Small
GLOVE600M	Red	Medium
GLOVE600L	Red	Large
GLOVE600XL	Red	XL
GLOVE600XX	Red	XXL
GLOVE600MG	Green	Medium
GLOVE600LG	Green	Large
GLOVE600XLG	Green	XL
GLOVE600MO	Orange	Medium
GLOVE600LO	Orange	Large
GLOVE600XLO	Orange	XL



GLOVE601L

Mossy Oak® Mechanic's Gloves

- Form-fitting stretch spandex top
- Long-lasting two-layer thumb panel
- Additional panels of synthetic protection surround the fingertips
- Machine washable – will not shrink or fade
- Flexible TPR wrist closure
- *Mossy Oak* gloves' infinity design sublimated on moisture-wicking trek dry material
- Durable abrasion-resistant synthetic palm

Stock No.	Size
GLOVE601S	Small
GLOVE601M	Medium
GLOVE601L	Large
GLOVE601XL	XL
GLOVE601XX	XXL



GLOVE300L

Fast Fit Technician Gloves

- Easy on/off for ultimate in convenience
- Great fit and feel, excellent value
- Performance plus economy
- Synthetic leather palm, stretch panels between the fingers
- Two-way stretch spandex padded back

Stock No.	Size
GLOVE300S†	Small
GLOVE300M†	Medium
GLOVE300L†	Large
GLOVE300XL†	XL
GLOVE300XXL†	XXL

† CE



GLOVE100L

Unlined Leather Work Gloves

- Use for heavy duty work and wear
- Comfort fit thumbs for dexterity and flexibility
- Embossed Snap-on® logo on reverse

Stock No.	Size
GLOVE100M	Medium
GLOVE100L	Large
GLOVE100XL	XL



GLOVE101L

Lined Leather Work Gloves

- For heavy duty work and wear
- Lined for protection and warmth
- Embossed *Snap-on* logo on reverse

Stock No.	Size
GLOVE101L	Large
GLOVE101XL	XL



GLOVE505RXL

Deep Freeze Gloves

- Extreme weather all-over protection
- Windproof with waterproof barrier
- Rubberized palm and thumb for great grip
- Reflective fingertips and cuff piping
- New streamline logo treatments
- Incredible dexterity

Stock No.	Color	Size
GLOVE505RM	Red/Black	Medium
GLOVE505RL	Red/Black	Large
GLOVE505RXL	Red/Black	XL
GLOVE505XX	Red/Black	XXL



GLOVE304CGL

Cold Weather Gloves

- Heavyweight fleece outer
- Windproof insert with inner Nylex® lining
- Grip thumb and palm panel
- Nylon finger gussets stay flexible in all weather conditions
- Synthetic leather protects outer edge of thumb
- Gauntlet cuff with Velcro® closure
- Water resistant grip with 2pc palm

Stock No.	Size
GLOVE304CGS	Small
GLOVE304CGM	Medium
GLOVE304CGL	Large
GLOVE304CGXL	XL
GLOVE304CGXX	XXL

Cut-Resistant Gloves

- Abrasion-, blade- and tear-resistant
- Great for tear-down work, salvage yards, sheet metal work
- Provides excellent protection while maintaining great dexterity
- Level 4 abrasion resistance
- Level 3 blade cut resistance
- Level 4 tear resistance
- Level 4 puncture resistance



GLOVE410L

Stock No.	Size
GLOVE410M	Medium
GLOVE410L	Large
GLOVE410XL	XL

Abrasion Resistant Nitrile Gloves (Blue-Point®)

- Nitrile dipped coating for protection on dirty jobs
- Ergonomically pre-curved design for comfort
- High abrasion resistance protects hand on sharp edges
- Incredible grip and dexterity on wet and dry surfaces



GLOVE400L

Stock No.	Quantity	Size
GLOVE400S	3 Pack	Small
GLOVE400M	3 Pack	Medium
GLOVE400L	3 Pack	Large
GLOVE400XL	3 Pack	XL
GLOVE400XXL	3 Pack	XXL

Black Nitrile (Glove 8 Series)

- Powder-free plus excellent tear resistance
- Use for mechanical repairs, spray painting and refinishing applications
- Resists auto detailing chemicals

Nitrile (Glove 5 Series)

- Gloves resist nicks, cuts and abrasions and protect against chemical splashes
- Three times the puncture resistance of natural latex or vinyl gloves
- Light powdering facilitates removal with minimal residue
- Micro textured for better gripping

Heavy Duty Nitrile (Glove 7 Series)

- Use for paint mixing, parts cleaning, transmission rebuilds and more
- Superior puncture resistance to that of natural latex or vinyl gloves
- Resists nicks, cuts and abrasions, and protects against chemical splashes
- Thick 8 mil nitrile construction
- Extra long "sleeve" for additional protection
- Powder-free. Textured for better gripping

Heavy Duty Latex (Glove 6 Series)

- 14 mil thickness for heavy duty usage
- Textured fingers and palm for maximum grip
- Lightly powdered for easy on/off
- Will resist most shop chemicals
- Long cuff

Extra Thick Latex (Glove 9 Series)

- Twice as thick as standard latex gloves for tear resistance
- Microtexture improves gripping power
- Powder-free, as powder promotes allergies
- Box of 100 makes it economical



GLOVE8LA



GLOVE5MB



GLOVE7LB



GLOVE6LB



GLOVE9L

	Stock No.	Quantity	Size
Black Nitrile Technician's Gloves	GLOVE8MA	Box of 100	Medium
	GLOVE8LA	Box of 100	Large
	GLOVE8XLA	Box of 100	XL
Nitrile Technician's Gloves	GLOVE5MB	Box of 100	Medium
	GLOVE5LB	Box of 100	Large
	GLOVE5XLB	Box of 100	XL
Heavy Duty Nitrile Technician's Gloves	GLOVE7MB	Box of 50	Medium
	GLOVE7LB	Box of 50	Large
	GLOVE7XLB	Box of 50	XL
Heavy Duty Latex Technician's Gloves	GLOVE6MB	Box of 50	Medium
	GLOVE6LB	Box of 50	Large
	GLOVE6XLB	Box of 50	XL
Extra Thick Latex Technician's Gloves	GLOVE9M	Box of 100	Medium
	GLOVE9L	Box of 100	Large
	GLOVE9XL	Box of 100	XL

Glove Dispenser

GLOVEHOLDERB Latex Glove Dispensing Rack

- Holds GLOVE5, GLOVE6, GLOVE7, GLOVE8 and GLOVE9 series gloves
- Metal construction prevents damage
- Magnetic base allows attachment to tool storage unit or other ferrous metal surface
- Three "springs" secure box firmly in holder
- Mounting holes for attachment to non-ferrous surfaces
- 10" x 5 5/8" x 3 7/8"
- Black



GLOVEHOLDERB

WARNING • Read safety precautions on pages W1 to W4

SHOP SUPPLIES: LUBRICATION



ULUBE1



AS8



AS16

Synthetic Lubricant

ULUBE1 Synthetic Lubricant
- Easy to apply spray extends tool life
- Specially formulated for use with bearings and other rotating devices
- Case of (12) 5.5 oz cans

Antiseize Lubricant

- Premium general purpose copper/graphite blend antiseize compound
- Formulated to prevent seizing and galling at high temperatures (resistant to 1,800 °F)
- Lubricates and protects against corrosion
- Eases assembly and disassembly of metal parts while reducing friciton and wear

AS8 Antiseize Lubricant
8 oz bottle with applicator brush attached to cap.

AS16 Antiseize Lubricant
16 oz bottle with applicator brush attached to cap.

AUTO CARE/DETAILING



CLEAN1A

BUFF3KIT

Cleaners, Polishes and Sealants

CLEAN1A Cleaning Solution
- Fresh scent
- Multisurface cleaner for tires, aluminum and alloy wheels, carpets, seats and other interior fabrics
- Recommended for easy removal of UV dyes from air conditioning units
- Designed to work alone or with Snap-on® YA1102 dirt and stain extractor
- Case of (12) 32 oz spray bottles

Buffing Kits (Blue-Point®)

BUFF3KIT Miniature Buffing Kit
- Ideal for buffing and polishing autos, boats, motorcycles, aircraft
- Use on all painted surfaces, metal, chrome and wood
- Varied pad selection from ultra fine to very aggressive
- Wavy edge allows user to reach tight places
- Hook and loop retention system for quick, easy and secure pad/driver connection
- Includes one 1/4" shaft, 3" diameter Shur-Grip pad holder and one each of the following: blue wavy foam pad (fine polishing), black lambswool pad (ultra fine polishing), twisted wool pad (aggressive buffing) and fiberal wavy pad (ultra coarse buffing)
- EU – GB

BUFF3KIT1 Foam Pad
- 3" diameter wavy foam pads for fine polishing applications
- Five pads in storage tube EU – GB

BUFF3KIT2 Lambswool Pad
- 3" diameter lambswool pads for ultra fine polishing applications
- Five pads in storage tube EU – GB

BUFF3KIT3 Twisted Wool Pad
- 3" diameter twisted wool pads for aggressive buffing applications
- Five pads in storage tube EU – GB

BUFF3KIT4 Fibreral Wavy Pad
- 3" diameter fibreral wavy pads for ultra coarse buffing applications
- Five pads in storage tube EU – GB

BUFF3KIT5 Shur-Grip Pad Holder (3" diameter)
- Use with buffing/polishing pads in the BUFF3KIT series
- 1/4" shaft
- 3" diameter
- EU – GB

HAND CLEANERS



WOD303CSA



WOD503CSA

Medicated Hand Cleaners

- Quickly dissolves and removes stubborn dirt and stains while antiseptic properties protect the skin

WOD303CSA Medicated Hand Cleaner
- Fresh orange scent
- Case of four 4 1/2 lb cans

WOD503CSA Medicated Hand Cleaner
- Case of four 4 1/2 lb cans



WOD423CSA



WOD623CSA



WOD1050CSA

Pumice Hand Cleaners

- Extra strength pumice hand cleaner with antiseptic ingredient

WOD423CSA Pumice Hand Cleaner
- Fresh orange scent
- Case of four 4 1/2 lb cans

WOD623CSA Pumice Hand Cleaner
- Case of four 4 1/2 lb cans

WOD1050CSA Pumice Hand Cleaner
- Fresh orange scent
- Case of four 1 gal bottles

Water Activated Hand Cleaners

- Soybean-based, water-activated and concentrated formula with fibril scrubbers
- Contains antiseptic ingredient and conditioners for maximum skin protection
- Redline hand cleaner offers the highest performance skin cleaning with fibril/pumice double scrubbing action

WOD2025ACSA Water Activated Hand Cleaner
- Case of four 84 oz bottles
- Requires WOD1027 pump dispenser

WOD2325ACSA Redline Hand Cleaner
- Case of four 84 oz bottles
- Requires WOD1027HT pump dispenser

WOD2018ACSA Water Activated Hand Cleaner
- Portable size is perfect for a toolbox, cart or at home
- Squeeze bottle with no-drip nozzle
- Case of (12) 18 oz bottles

WOD2115ACSA Nitro-Gold Hand Cleaner
- For use in WOD8207 auto dispenser or WOD8307 manual dispenser
- Case of four



WOD2025ACSA



WOD2325ACSA



WOD2018ACSA



WOD2115ACSA



WOD507



WOD1027



WOD1027HT



WOD8207



WOD8307

Hand Cleaner Dispensers

WOD507 Heavy Duty Hand Cleaner Dispenser
- Convenient for wall mounting
- 4 1/2 lb cans of hand cleaner

WOD1027 Pump Style Hand Cleaner Dispenser
- Wall-mounted, pump-style dispenser for WOD2025ACSA or WOD2325ACSA hand cleaners in 84 oz bottles

WOD1027HT Pump Style Hand Cleaner Dispenser
- Wall-mounted, pump-style dispenser for WOD2025ACSA or WOD2325ACSA hand cleaners in 84 oz bottles

WOD8207 Automatic Hand Cleaner Dispenser
- Auto dispensing portion control, no waste, dripping or cross contamination
- Over 900 washes per refill bottle
- Auto dispenser eliminates grease and grime accumulating on dispenser
- Four D batteries will last 30,000 cycles, over 30 refills, or over 18 months' battery life
- Sleek ergonomic and attractive design, less than 4" wide, meeting the fire marshal code for hallways

WOD8307 Manual Hand Cleaner Dispenser

Proprietary unit, refills only from your authorized Snap-on® franchisee (Refill: WOD2115ACSA)
- 2 mL dispenses with each activation and 750 hand washes per refill
- Sleek ergonomic and attractive design, less than 4" wide, meeting the fire marshal code for hallways
- Tamper-resistant and keyless locking cover
- Dispense from bottom, eliminating unused hand cleaner in refill

Hand and Shop Towels

WOD5020 Hand and Tool Cleaning Towels
- Convenient hand towels for cleaning tools or hands of oil and grease
- Towels contain lanolin and rust preventatives



WOD5020

Fingernail/Hand Brush

WOD1000 Fingernail Brush
- Use with any "WOD" series hand cleaner



WOD1000

⚠WARNING

- Do not ingest or use on face
- Read safety precautions on pages W1 to W4

SHOP SUPPLIES: WIRE BRUSHES


WBBS2


WBSS2


WBSS3


WBSS5


WBSS2BKT


WBBS2BKT


WBSS8


WBSS9


WBSS14


WBSS5CAL

Wire Brushes

- Ergonomic cushion grip handle designed for maximum comfort and control
- Use with both hands to maximize pressure
- Heavy 28 gauge stainless-steel gives units maximum strength and durability
- Choice of brush width and length allows you to cover a wide range of applications

Applications:
Ideal for cleaning rusted threads, battery terminals and gaskets. Removes body rust prior to welding on various metal parts. Cleans off caulk and interpanel grinding welds.

Stock No.	Description	WBSET	WBSSET	WBMSSET	WBSS2BK	WBBS2BKT
WBBS2	2" miniature brass wire brush	2	1	1	25	
WBSS2	2" miniature stainless-steel wire brush	1	1	1		25
WBSS3	3" stainless-steel wire brush		1	1		
WBSS5	5" stainless-steel wire brush					
WBSS8	7 3/4" stainless-steel wire brush		1	2		
WBSS9	8 3/4" stainless-steel wire brush			1		
WBSS14	6 3/4" stainless-steel wire brush		1	2		
WBSS5CAL	5" stainless-steel wire caliper brush					


AC5C


AC58E


AC64B


AC59C

Specialty Brushes (Blue-Point®)

AC5C Hand Scratch Brush
Stainless wire bristles for use where corrosive materials are found. 7 7/8" long.

AC58E Wire Brush
Curved scratch brush. Carbon steel bristles. 13 3/4" long.

AC64B Shoe Handle Scratch Brush
Carbon steel bristles. 10" x 1 1/16". 5" long.

AC59C Stainless-Steel Wire Brush
Curved scratch brush. Stainless-steel bristles. 13 3/4" long

Crimped Industrial (Tempered, High Density Wire)

Stock No.	Brush Diameter, inches	Width, inches	Arbor Hole, inches	Maximum Safe Free Speed, RPM
AC48A	8	1	5/8	4,500



AC48A

AC48ADAPT1 Wire Wheel Shaft Adaptor
- Adapts the AC48A to a 1" shaft



AC48ADAPT1

AC48ADAPT3/4 Wire Wheel Shaft Adaptor
- Adapts the AC48A to a 3/4" shaft



AC48ADAPT3/4

Crimped Heavy Duty (Non-tempered Wire)

Stock No.	Brush Diameter, inches	Width, inches	Arbor Hole, inches	Maximum Safe Free Speed, RPM
AC26E	6	29/32	5/8, 3/4, 1	6,000
AC28E	8	1 1/8	5/8, 3/4, 1	4,500



AC26E

Twisted Tuft

Tufts are 1 1/4" long and are twisted about 2/3 of the way.

Stock No.	Wheel Diameter, inches	Wheel Width, inches	Wire Size, inches	Arbor Hole, inches	Maximum Safe Free Speed, RPM
AC614B	6	1/2	.016	1/2, 5/8	9,000



AC614B

Encapsulated

- Individual wire tips are encased in synthetic elastomer material (gradually wears away to expose only wire tips) for consistent stiff brushing action
- Ideal for auto body and surface applications

Stock No.	Wheel Diameter, inches	Wheel Width, inches	Wire Size, inches	Arbor Hole, inches	Maximum Safe Free Speed, RPM
AC207A	2	1/4	.014	3/8, 1/2	18,000
AC217A	3	1/4	.014	3/8, 1/2	18,000



AC207A

WARNING

- Do not use wire wheels above their maximum rated RPM
- Read safety precautions on pages W1 to W4

SHOP SUPPLIES: GRINDING ACCESSORIES



WD13

Grinder Accessory (Blue-Point®)

WD13 Grinder Wheel Dresser
- Helps true up grinding wheels
- Hardened and serrated steel disks
- 11" long, 1.5" diameter wheels

KNEE PADS/BACK SUPPORT



KNEEPAD2



KNEEPAD3

Kneepads

KNEEPAD2 Kneepads
- Polypropylene cap protects against floor debris
- Outer cap is securely attached to padded nylon inner pad for maximum comfort
- Extra wide Velcro® straps for easy on/off
- Lightweight

KNEEPAD3 Gel Cushioned Kneepads
- Wide neoprene rear lower flap reduces chafing
- Gel cushioned for maximum comfort
- *Velcro* straps for easy on/off, secure fit and comfort
- Hinged pad extensions for a comfortable fit



BACK1XL



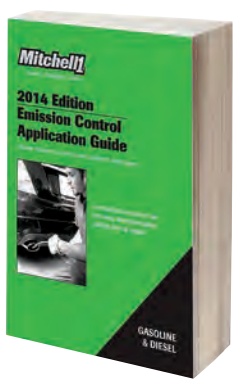
BACK1LBK

Back Supports

- Curved, firm support pads help reduce back fatigue
- Unique patented lumbar pad design to firmly support the lower back
- Not a replacement for proper workplace design and proper training in lifting, twisting and bending movements

Stock No.	Size	Color
BACK1M	Medium, 31"–36" waist	Red
BACK1L	Large, 35"–40" waist	Red
BACK1XL	XL, 39"–44" waist	Red
BACK1XXL	XXL, 43"–48" waist	Red
BACK1SBK	Small, 27"–32" waist	Black
BACK1MBK	Medium, 31"–36" waist	Black
BACK1LBK	Large, 35"–40" waist	Black
BACK1XLBK	XL, 39"–44" waist	Black

MITCHELL® SERVICE PROGRAMS



SKECAG14

*Mitchell*1 Service

SKECAG14 Emission Control Application Guide *Mitchell*1 Manual
Coverage:
1966–2014 US Cars, Light Trucks and Vans (Gasoline Engines)
1966–2014 Imported Cars, Light Trucks and Vans (Gasoline Engines)
1966–2014 US Medium and Heavy Duty (Gasoline Engines)
Class "A" Motor Homes (Gasoline Engines)
1984–2014 US and Import Cars, Light Trucks and Vans (Diesel Engines)
- Diesel Applications
- Traction Control Disable Procedures
- Comprehensive US and Import Coverage
- Emission Control Systems and Devices
- Timing Specifications
- EGR Function Testing
- EPA Emission Recalls
- Service Reminder Indicator Procedures

DIAGNOSTICS

Overview.....742

ETHOS® +.....744

VANTAGE® Ultra.....745

SOLUS™ Edge.....746

MODIS™ Ultra.....747

VERDICT®.....748

VERUS® PRO.....749

Accessories.....751

Gas Analyzer.....762

Software.....764

Heavy Duty
PRO-LINK® Ultra.....767



SOLVE COMPLEX PROBLEMS. IN A SNAP.

Who do you turn to when you need help solving complex problems? That's simple: Snap-on. Our diagnostic tools will help you quickly get to the heart of the problem, troubleshoot, and get the issue fixed correctly. Plus, they'll save you time – and money. For diagnostics that are fantastic, we offer this simple solution: call on Snap-on.



PLATFORMS

When you need help managing the repair – and, your business – Snap-on® diagnostic tools come to the rescue. With scan tools, oscilloscopes, internet-capable multifunction tools, and more.

SCAN TOOLS — ETHOS®+ offers OEM-specific coverage for dozens of systems on over 40 makes; SOLUS™ Edge also offers access to exclusive expert tips and timesavers.

OSCILLOSCOPE — VANTAGE® Ultra puts exclusive Fast-Track® Guided Component Tests in your hands - plus the accuracy of 8 million data samples per second.

MULTIFUNCTION TOOLS — MODIS™ Ultra offers scan, scope and expert information resources in one place. VERUS® PRO adds a big 10-inch display, Windows multitasking, and the freedom of Wi-Fi and wireless scanning.

"ETHOS+ is so much more than an OBD-II code tool. When I saw how much it could do, I was sold. I started using it right away and quickly diagnosed a fuel injector problem. That made good money for me."

Tom Dubinsky
Milwaukee, WI



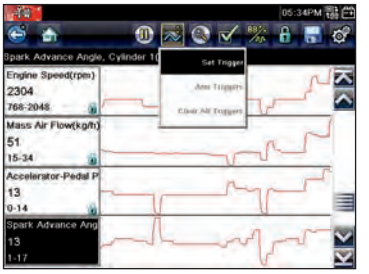
Tom has:
EESC319: ETHOS®+

ETHOS® + SCAN TOOL

ETHOS+®



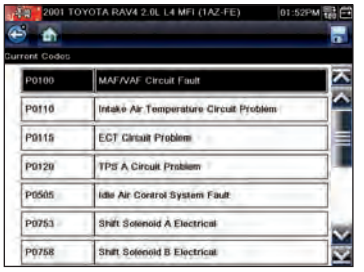
EESC319



Graph up to four live data parameters at once. Set triggers to catch intermittent faults.



OEM-specific codes and live data graphing for critical vehicle systems.



Read and clear OEM proprietary and global codes in just seconds with clear code definitions on screen.



Fast touch-screen operation for vehicle ID and navigation. Saves previous vehicles and data for review.

EESC319 *ETHOS* + Scan Tool

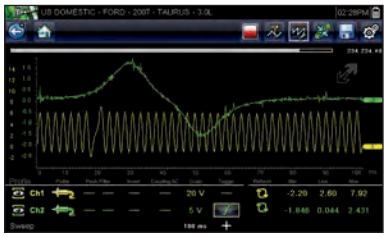
- OEM-specific coverage for over 40 US, Asian and (optional) European vehicles
- Effortless access to codes and data for dozens of systems
- Quick navigation with a touch of your finger, or use the four-way keypad
- Big 5 1/2" color touch screen for clear, detailed results
- Keyless data connector for all OBD-II vehicles
- Compare seven live data parameters on screen at once, or graph up to four side-by-side to isolate the root cause of vehicle problems
- Perfect for new users, service writers and as a shared tool for the entire shop
- Powers from vehicle so you can keep moving all day long. Simply connect to vehicle for automatic boot-up in 10 seconds
- Vehicle-specific code descriptions in plain English
- Covers newer technologies like TPMS, Hybrid power systems, Body controls, Suspension and Steering angle sensor
- Diagnose vehicles dating back to 1980, with optional OBD-I adapters
- Pause, record, save and play back live data
- Set min/max triggers to catch data that falls outside normal range
- Zoom in on graphs to see more detail, find glitches, nail down intermittent problems
- User-programmable shortcut key to perform frequent tasks with just one touch
- Also covers all ten modes of OBD-II. Read and clear codes, reset the MIL, view current data, determine emissions readiness, onboard monitors, ECU info, pending codes, permanent codes and more
- Internal AA battery power to review results off-vehicle
- UL® and ULC Listed

Includes:

ETHOS + scan tool, 5' data cable with keyless OBD-II connector, USB cable, padded nylon carry case, six AA batteries, AC power adaptor and Quick Start Guide

Optional Accessories

- **EESP319E European Software Activation**
- **EAK0301B07B European Vehicle Adaptor Kit**
- **EAK0301B10A OBD-I Complete Adaptor Kit**
- **EAX0068L10A Extended length 9' OBD-II Data Cable**
- **EAK0313B02A Hand Strap and Folding Stand**
- **EAC0110L35A3 Screen Protector (3-pack)**



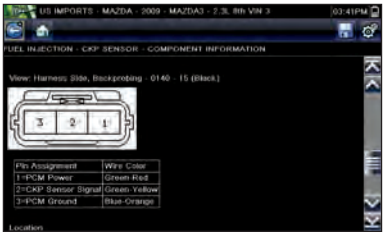
Precision high-resolution display makes it easy to see vehicle faults and component failures.



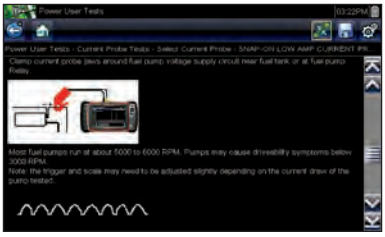
EETM309



Vehicle-specific tests for millions of component applications automatically preconfigure meter settings to save time and eliminate guesswork.



Component locator and connector diagrams show the best test locations.



Exclusive Fast-Track® Guided Component Tests show where to test, how to connect and what to look for.

EETM309 *VANTAGE* Ultra Component Test System

- The perfect companion to any scan tool; adds confidence to any diagnosis
- High-speed lab scope, digital and graphing meter, plus expert information makes it easy to verify component faults
- Exclusive *Fast-Track* guided component tests verify component failures; with test procedures, automatic meter setup, connector diagrams, component locator and waveform library
- Test components before replacing for accurate first-time repairs
- Our fastest operating system with superfast boot-up in only 5 seconds; diagnostic results in only 30 seconds
- Easy one-touch navigation using big 8" color touch screen or keypad operation
- Vehicle-specific component tests for over 40 US, Asian and European makes, 1981–current
- PC connectivity via USB port; save, share, view, print files via ShopStream Connect™ application available at no charge
- Coverage for thousands of components on all major vehicle systems – engine, fuel, transmission, emissions, ignition, ABS, lighting, solenoids, valve train, cooling, climate, anti-theft, oxygen sensor and many more
- Save your diagnostic results and screen images on internal microSD card
- 6 million samples/sec
- 3MHz bandwidth
- Preset and custom meter settings
- Peak detect, cursors and glitch capture to help find problems other scopes miss

Includes:

- *VANTAGE* Ultra Component Test Meter
- Two shielded scope leads, probes, clips
- 110V AC power adaptor
- High energy Lithium-ion battery pack
- Soft-sided nylon carry case

Optional Accessories:

- **EETA308D Precision low-amp probe**
- **EEPV302AL Low-pressure transducer**
- **EEPV302AT Medium-pressure transducer**
- **EEPV302AH High-pressure transducer**
- **EAC0111L76A3 Screen protectors**
- **EEMS324PSA Pressure adaptor (required for pressure transducer use)**
- **SOLVANUFOAM3 Organizers for 3-series carts**
- **SOLVANUFOAM4 Organizers for 4-series carts**
- **Plus a wide range of ignition adaptors**

⚠WARNING

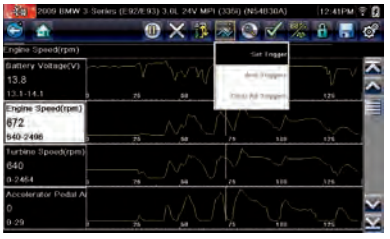
- Do not use in atmosphere with explosive vapor
- Read safety precautions on pages W1 to W4

SOLUS™ EDGE SCAN TOOL

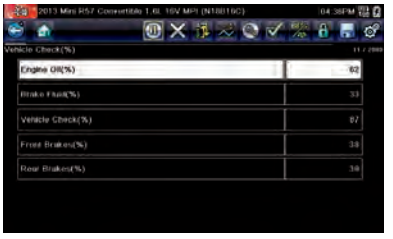
SOLUS™ Edge



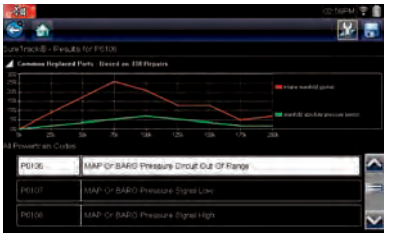
EESC320



Graph up to four live data parameters at once. Catch hard-to-find faults with trigger, record, playback and scaling zoom functions.



Easily identify service items and view status. Reset service indicators after repair or service.



SureTrack® Expert Information System with millions of Real Fixes and verified parts replacement records harvested from successful repair orders.

EESC320 *SOLUS* Edge Full Function Scan Tool

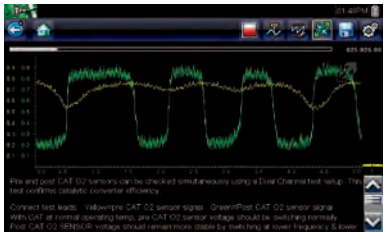
- Wifi access to SureTrack® expert information and verified parts replacement records for a confident diagnosis
- Super-fast boot-up. Ready to use in just 5 seconds. Results in as little as 30 seconds
- Detailed trouble code definitions and live data. Plus powerful functional tests, relearns, and adaptations to control vehicle systems and validate repairs
- Large 8" touch screen display for great readability and ease of use
- Custom data lists, freeze-frame, PID sorting, pause, zoom, PID trigger and cursor functions
- Embedded SMX® Operating System dedicated to diagnostic functions for fast, reliable operation
- Fast-Track® Troubleshooter database includes vehicle-specific tips, tests, and time-savers
- Fast and easy icon navigation operates completely by touch screen, or use the four-way keypad
- Enhanced coverage for over 40 makes without the cost and complexity of factory scan tools (European coverage optional)
- OEM-specific coverage for more than 70 vehicle systems, including the new systems techs need, like hybrids, TPMS, steering, body controls, EVAP, clean diesels and more
- Print/save/share/view results on PC via ShopStream® Connect software
- Never stop to recharge – Unique steady-charge battery technology charges from vehicle power
- Includes: *SOLUS* Edge scan tool, upgradable software on microSD card, data cable for OBD-II vehicle applications, Lithium-ion battery pack, 110V AC power adaptor, USB cable for PC connection, nylon carry case, safety instructions; user manual on CD

Optional Accessories:

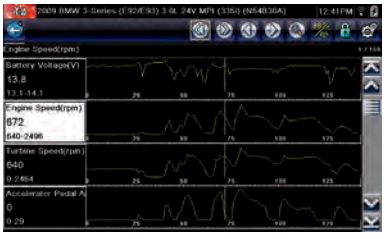
EESP320E European software activation
EAK0301B07B European vehicle adaptor kit
EAK0301B10A OBD-I Complete adaptor kit
EAX0068L10A Extended length 9' OBD-II data cable
EAC0111L76A3 Screen protector (3-pack)
EAZ0083L08A 8' x 2' *SOLUS* Edge shop banner



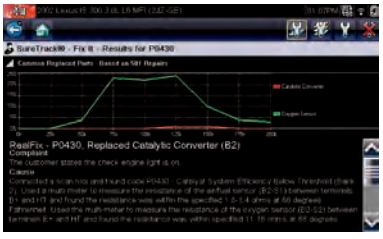
EEMS328



High-speed 2-channel scope with exclusive Guided Component Tests show where to connect, how to test and what results to look for.



Graph up to four live data parameters at once. Customize the tool to work the way you do, with customer data lists, PID trigger and scaling zoom functions.



SureTrack® Expert Information System with millions of Real Fixes and verified parts replacement records harvested from successful repair orders.

EEMS328 *MODIS* Ultra Modular Diagnostic and Information System

- Integrated software suite with scan tool, lab scope, graphing meter, and expert information makes it easy to verify faults
- Super-fast boot-up in only 5 seconds; get diagnostic results in only 30 seconds
- Easy one-touch navigation using big 8" color touch screen or keypad operation
- OEM-specific scanner coverage for more than 40 domestic, Asian and (optional) European makes
- Exclusive Fast-Track® Troubleshooter tips save time and avoid comebacks
- Exclusive *Fast-Track* Guided Component Tests verify component failures with test procedures, automatic meter setup, connector diagrams and a waveform library
- Exclusive steady-charge battery technology automatically charges from vehicle connector
- A single keyless data cable for OBD-II applications saves connection time
- Unique "cause and effect" diagnostics – use powerful functional tests while viewing live data parameters on-screen
- Full scanner capabilities include coverage for vehicle-specific codes, live data, functional tests, relearns, adaptations
- Save your diagnostic results, codes, data, screen images on internal micro SD card
- PC connectivity via USB port. Save, share, view, print files via ShopStream® Connect application available at no charge
- Exclusive data graphing with glitch capture to find elusive intermittent faults
- OEM-specific coverage for 1980 and later US vehicles, 1983 and later Asian vehicles, and optional 1992 and later European vehicles
- Coverage for dozens of the most popular systems – engine, transmission, airbag, ABS, body, steering, suspension, TPMS, hybrid power, lighting, instrument, park assist, climate and many more
- Digital/graphing meter and high-speed two-channel lab scope, features:
  - 6 million samples/sec
  - 3MHz bandwidth
  - Preset and custom meter settings
  - Peak detect, cursors and glitch capture
  - Helps find problems other scopes miss
- Includes keyless universal OBD-II adaptor, two shielded scope leads with probes and clips, 110V AC power adaptor, high energy lithiumion battery pack and two custom fit organizer trays

Optional Accessories:

EESP328E European vehicle software
EAK0301B07B European vehicle adaptors
EAK0301B10A Complete OBD-I adaptor kit (17 adaptors plus jumper lead set)
EETA308D Precision low amp probe
EEPV302AL Low pressure transducers
EEPV302AT Medium pressure transducers
EEPV302AH High pressure transducers
EEMS324PSA Pressure adaptor (required for pressure transducers)
EAC0111L76A3 Screen protectors
EAK0313L05A Soft-sided nylon carry case
EAX0068L10A 9' Extended OBD-II data cable
MODISUFOAM3 Organizers for 3-series carts
MODISUFOAM4 Organizers for 4-series carts
EAZ0079L11A 8' x 2' *MODIS* Ultra shop banner

WARNING

- Do not use in atmosphere with explosive vapor
- Read safety precautions on pages W1 to W4

WIRELESS MODULAR DIAGNOSTIC AND INFORMATION SYSTEMS

VERDICT™



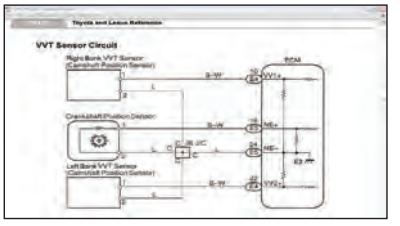
EEMS324



High-resolution display shows detailed graphing of up to 12 data parameters for precise results.



Wireless Component Test Meter features automatic presets, guided test procedures and known good values and waveforms.



Hotlinks to Fast-Track® reference material including valuable TSBs, component locator and wiring diagrams.

EEMS324 VERDICT® Modular Diagnostic and Information System Features:

- Wireless display, scanner and meter lets technicians be in more places at once
- Real world answers in your hands from anywhere in the shop: codes, live data, bi-directional controls, *Fast-Track* guided component tests, Internet, Troubleshooter
- Integrated SureTrack® Expert Information System provides Real Fixes and verified parts replacement records harvested from successful repair orders
- OEM-specific scanner coverage for 1980–newer vehicles
- High-speed two-channel scope and graphing meter
- Keyless scanner module for quick, simple connection
- Wi-Fi and Internet browser to access web resources
- Windows® operating system
- Internal hard drive
- Touch screen operation

***VERDICT* D7 Display Tablet Features:**

- Big, bright 7" color touch screen
- *Windows* multitasking
- Internet browser and Wi-Fi
- Bluetooth® wireless communication
- One-touch navigation shortcuts
- 60GB internal hard drive
- Built-in two megapixel camera
- Lithium-Ion battery pack for up to 4 hours of continuous operation

***VERDICT* Scanner Module Features:**

- Wireless remote control from the *VERDICT* D7 Display Tablet
- Keyless adapter for OBD-II applications
- OEM-specific coverage for 40 makes (European optional)
- *Fast-Track* Troubleshooter code tips, symptom tips and repair time-savers
- *Fast-Track* database of reference values, TSBs, wiring diagrams and more
- View up to 12 live data graphs at once

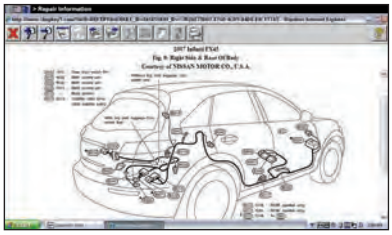
VERDICT EAK0301B14A Scope/Meter Module Features:

- Standalone operation or Bluetooth connection for remote control from *VERDICT* platform
- Two-channel high-speed lab scope and digital graphing meter
- Tests V DC, V AC, ohms, continuity, capacitance, frequency, duty cycle, pulse-width and diodes
- Full-color, backlit high-resolution display for clear, precise results
- Selectable scales from 0–100 millivolt to 0–1,000V DC
- CAT III and CAT IV certification; hybrid-ready
- Scope sweep rates from 25 microseconds to 10 seconds (up to 60 minutes in DMM mode) for a wide range of applications
- High energy rechargeable NiMH battery for 8–12 hours of continuous use
- High input impedance – 10 megohm avoids risk to electronic components
- 20 megasamples per second per channel and 290 data points per screen makes it easy to catch component faults and glitches
- Bright, backlit full-color display. High-resolution 240 x 320 pixels. Graphing and digital results. Oversized digits for easy viewing at a distance
- Color-coded waveforms; two channels to compare readings from multiple components side-by-side in real time

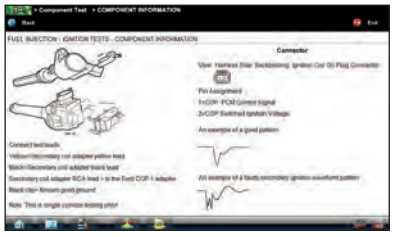
VERUS PRO



EEMS327



Hotlinks directly to the optional ShopKey® Repair Information system.



Exclusive Guided Component Tests show where to connect, how to test and what results to look for.



Compare from one to sixteen live data parameters on-screen at once to see root cause of vehicle faults.

EEMS327 VERUS® PRO Integrated Diagnostic and Information System Specifications

DISPLAY TABLET

- Thin profile tablet with 10" high-resolution 1024 x 600 screen
- Built-in camera to save and share photos for records
- Bluetooth® and Wi-Fi to access your web resources
- High energy Lithium-Ion battery pack for hours of continuous operation
- USB, audio and auxiliary ports make it easy to add accessories
- Big hard drive to save data and install your own applications

SOFTWARE

- Exclusive *ShopStream* integrated diagnostic suite with scanner, scope, guided component tests, optional online expert forum, vehicle records, optional *ShopKey* Repair Information
- Integrated SureTrack® Expert Information System provides Real Fixes and verified parts replacement records harvested from successful repair orders
- Genuine Windows® multitasking to view multiple applications side-by-side
- Powerful data manager saves vehicle records, photos, technician notes, screen images, scanner and scope data

SCANNER MODULE

- A single keyless adapter for OBD-II vehicle applications
- Connects wirelessly to the display tablet with *Bluetooth* for remote operation
- OEM-specific coverage for over 40 manufacturers, as far back as 1980 (European optional)
- Codes, live data, functional tests, relearns and adaptations for dozens of vehicle systems
- Exclusive Fast-Track® Troubleshooter with millions of validated code tips, symptom tips and time-savers

SCOPE MODULE

- Hot-dockable USB scope module
- High-speed four-channel lab/ignition scope and digital/graphing meter
- Six megasamples/second sample rate and glitch capture detects faults other scopes miss
- Scale range: 0–100mV to 0–400V, 50kV secondary ignition
- Sweep rate: 50 microseconds to 20 seconds (5 min in GMM mode) so you don't miss a thing
- Exclusive *Fast-Track* guided component tests for 40 US, Asian and European manufacturers
- V DC, V AC, ohms, frequency, duty cycle, pulse width, diode test and more

Includes:
VERUS PRO Display Tablet, four-channel scope module, wireless scan module, upgradable software on hard drive, keyless OBD-II data cable, OBD-I adaptor kit 1, Lithium–Ion battery pack, USB cable, 110V AC power adaptor and custom-fit organizer trays

Optional Accessories for *VERUS* PRO:

3-06206A01 Nylon stylus (3-pack)
EESP327E European vehicle software
EAA0365L04A Docking station
EAK0301B07B European vehicle adaptors
EETA308D Precision low-amp probe
EEPV302AL Low-pressure transducer
EEPV302AT Medium-pressure transducer
EEPV302AH High-pressure transducer
EEMS324PSA Pressure adaptor (required for pressure transducers)
EAC0107L17A3 Screen protectors
EAX0068L10A 9' Extended OBD-II data cable
VERUSPFOAM3 Organizers for 3-series carts
VERUSPFOAM4 Organizers for 4-series carts
EAZ0077L07A 8' x 2' *VERUS* PRO shop banner
Plus a wide range of ignition adaptors

WARNING
• Do not use in atmosphere with explosive vapor
• Read safety precautions on pages W1 to W4

DIAGNOSTICS QUICK REFERENCE GUIDE

						
	ETHOS®+	**VANTAGE® Ultra**	**SOLUS™ Edge**	**MODIS™ Ultra**	**VERDICT®**	**VERUS® PRO**
Display screen	5.6"	8"	8"	8"	7"	10"
Choice of touch screen or keypad operation	•	•	•	•	•	•
< 10 second boot-up	•	•	•	•		
Live data graphing	4 graph		4 graph	4 graph	12 graph	16 graph
Keyless scanner adaptor	•		•	•	•	•
Wireless scanner					•	•
Battery charges from car			•	•		
WiFi access to SureTrack® Expert Information			•	•	•	•
Exclusive Fast-Track® Troubleshooter Tips			•	•	•	•
1980–newer US scanner coverage	•		•	•	•	•
1983–newer Asian scanner coverage	•		•	•	•	•
2002–newer European scanner coverage (optional)	•		•	•	•	•
Functional tests/ bidirectional controls			•	•	•	•
One-touch full-vehicle code scan and code clear	•		•	•	•	•
User-programmable function key	•	•	•	•	•	•
Save/Print/Store w/ ShopStream®-Connect PC interface	•	•	•	•		
Save/Print/Store via internal hard drive					•	•
Audio in/out, speakers, microphone					•	•
Records all PIDs – while on or off screen	•		•	•	•	•
Exclusive PID trigger	•		•	•	•	•
Adjustable PID graph scale	•		•	•	•	•
Hotkey for instant screen snapshots	•	•	•	•	•	•
Windows multitasking					•	•
Data Manager application for vehicle records					•	•
Built-in camera					•	•
WiFi-enabled			•	•	•	•
Open browser – Internet Explorer					•	•
Optional ShopKey® Repair Information System					•	•
Optional *ShopKey* Management RO Viewer					•	•
2-Channel high-speed lab scope				•	•	
4-Channel high-speed lab scope						•
Ignition scope capabilities						•
Exclusive Fast-Track® Guided Component Tests		•		•	•	•
Waveform library and known good test values		•		•	•	•

Notes:
Some functions require Internet access
Some functions not available for all vehicle makes



EAA0365L04A



EAK0301B07B



EAC0107L17A3



3-06206A01

VERUS® PRO Accessories

EAA0365L04A *VERUS* PRO Docking Station
- Convenient and secure charging station for *VERUS* PRO
- Keep your tool powered and charged up all day long – uses standard power adaptor included with *VERUS* PRO
- 15-pin video connector – to connect to your external big-screen monitor to display *VERUS* PRO results
- Built-in USB hub to connect up to four USB devices
- Multiposition stand: vertical, angle or fold to lay flat in tool storage drawer
- Simple and secure drop-in docking makes for fast grab-and-go portability

EAK0301B07B European Vehicle Adaptor Kit
- Includes data cable, VW1 adaptor, MB1 adaptor, MB2A adaptor, BM1B adaptor and keys
- Kit requires European Vehicle Software Activation

EAC0107L17A3 *VERUS* PRO Screen Protector Sheets
- Includes three screen protector sheets
- Custom-fit for *VERUS* PRO
- Easy peel-and-stick application
- Easy to replace – simply peel off old protector sheet and press on a new one
- Keeps screen clean and protected from scratches, solvents and dirt
- Helps maintain touch screen sensitivity
- Crystal-clear protection for optimum viewing in the shop or in the sun

EESP327E *VERUS* PRO European Vehicle Software Activation
- Comprehensive OEM specific coverage for servicing European makes
- Covers fault codes, live data parameters, functional tests, relearns and adaptations for dozens of vehicle systems
- Coverage for Audi®, BMW®, FIAT®, Jaguar®, Land Rover®, Mercedes®, MINI®, Porsche®, SMART®, Volvo® and Volkswagen® vehicles as far back as 1992
- Also requires: EAK0301B07B European Adaptor Kit

3-06206A01 Nylon Stylus
- High polished chrome stylus or durable black nylon stylus
- Soft tip to protect touchscreen

Optional Accessories:

3-06206A01 Nylon stylus (3-pack)
EAK0301B07B European vehicle adaptors
EETA308D Precision low-amp probe
EEPV302AL Low-pressure transducer
EEPV302AT Medium-pressure transducer
EEPV302AH High-pressure transducer
EEMS324PSA Pressure adapter (required for pressure transducers)
EAX0068L10A 9' Extended OBD-II data cable
VERUSPFOAM3 Organizers for 3-series carts
VERUSPFOAM4 Organizers for 4-series carts
EAZ0077L07A 8' x 2' *VERUS* PRO shop banner
Plus a wide range of ignition adaptors

WARNING
• Do not use in atmosphere with explosive vapor
• Read safety precautions on pages W1 to W4

VERUS® ACCESSORIES

VERUS®



EAK0294B21A



EAA0354L40A



EAK0294B02A



EAE0059L07A



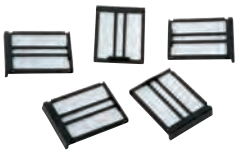
EAA0354L12A



2-02539A



6-06321A



EAK0253B02A



EAK0294B08A



EAC0101L69A1

VERUS Accessories

EAK0294B21A *VERUS* Wireless Conversion Kit
Wireless Scan Module adds wireless freedom and keyless simplicity to EEMS323 Diagnostic and Information System
- Simplicity, no more searching for keys. Keyless scan module covers OBD-II applications with a single adaptor
- Scan wirelessly with remote control of the Scan Module; get codes, live data, functional tests, relearns and adaptations while moving freely around the vehicle
- Includes: Wireless scan module, OBD-II data cable, data cable for adaptors, USB cable and instructions
- Note: Requires *VERUS* diagnostic unit with Software Bundle 10.4 or higher

EAA0354L40A Velcro® Handgrip
- Secure, adjustable *Velcro* strap makes it easy to hold *VERUS* diagnostic unit with one hand

EAK0294B02A Charging Station with USB Hub
- Secure benchtop WorkStation for *VERUS* diagnostic unit
- Charges *VERUS* battery when used with standard *VERUS* power adaptor
- Internal USB hub joins up to four USB devices when connected to *VERUS* diagnostic unit with standard USB cable (included)

EAE0059L07A External Battery Charger
Smart charger for up to two *VERUS* battery packs
- Automatic fast charge and trickle mode
- Includes 110V AC power supply

EAA0354L12A *VERUS* Battery Pack
- Keep a diagnostic tool on duty all day long with a spare high energy Li-ion battery
- Built-in LEDs show charge status

2-02539A 110 V AC Power Supply
- Powers *VERUS* diagnostic unit and quick charges battery pack
- Requires 6-06321A power cord

6-06321A AC Cord for 110 V Power Supply
- Line cord for AC power adaptor

EAK0253B02A Replacement Air Filters (5-pack)
- Help to keep *VERUS* electronic components cool and clean

EAK0294B08A Maintenance Kit
- Includes three screen protectors, three nylon touch screen styluses and five air filters

EAC0101L69A1 Screen Protector (3-pack)
- Crystal clear sheets protect screen from scratches, solvents and dirt
- Easy peel-and-stick application

EESP323E VERUS European Vehicle Software Activation
(Also requires: EAK0301B07B European Adaptor Kit)

EAK0301B07B European Vehicle Adaptor Kit

EAK0301B10A OBD–I Adaptor Master Kit



EAA0365L01A



EAA0365L06A



2-02839A



EAK0301L03A



EAK0301L01A1



EEMS324PSA

VERDICT Accessories

EAA0365L01A *VERDICT* Docking Station
- Convenient and secure charging station for the *VERDICT* Diagnostic System
- Keep the *VERDICT* Diagnostic System powered up and charged all day long
- Uses standard power adapter included with *VERDICT* Diagnostic System
- USB hub to connect up to four USB devices
- 15-pin video connector displays *VERDICT* results on external big screen monitors
- Multiposition stand, as an angled folding stand, laid flat to fit in tool storage drawer or in a vertical orientation

EAC0107L03A5 *VERDICT* Screen Protector
- Includes three removable screen protector sheets
- Easy peel-and-stick application
- Simply peel off old protector sheet and press on a new one
- Help to keep *VERDICT* touch screen clean and protected
- Helps maintain touch screen sensitivity
- Protects screen from scratches, solvents and dirt
- Crystal clear protection for optimum viewing inside the shop or outside in the sun

EAA0365L06A *VERDICT* Battery Pack
- Extended charge life battery pack
- Work longer without a recharge; six-cell battery offers twice the charge life of standard three-cell *VERDICT* battery
- Up to eight hours of non-stop use with *VERDICT* D7 Display
- No extra bulk, fits in the standard *VERDICT* battery slot
- Keep *VERDICT* Diagnostic System on duty all day long with a spare battery
- Li-ion battery cells for long charge life, long cycle life and quick recharge

2-02839A AC Power Supply with Cord
- For *VERDICT* D7 display (standard with *VERDICT* diagnostic unit)

EAK0301L03A Replacement Scope/Meter Test Leads
- With alligator clip set

EAK0301L01A1 AC Replacement Power Supply with Cord
- For *VERDICT* M2 meter

EEMS324PSA Pressure Transducer Adaptor *(VERDICT)*
- Adapts *VERDICT* M2 meter to EEPV302AL, EEPV302AT and EEPV302AH pressure transducers (not included)

EESP324E *VERDICT* European Vehicle Software Activation
- Comprehensive OEM specific coverage for servicing European makes
- Covers fault codes, live data parameters, functional tests, relearns and adaptations for dozens of vehicle systems
- Coverage for Audi®, BMW®, FIAT®, Jaguar®, Land Rover®, Mercedes®, MINI®, Porsche®, SMART®, Volvo® and Volkswagen® vehicles as far back as 1992
- Also requires: EAK0301B07B European Adaptor Kit

EAK0301B07B European Vehicle Adaptors

EAK0301B10A OBD-I Adaptor Master Kit

SOLUS ULTRA®/SOLUS™ EDGE ACCESSORIES

SOLUS Ultra®

SOLUS™ Edge



EAC0111L40A3



EAX0068L10A



EAC0111L50A1



2-04650A



2-35466A



6-06321A

SOLUS ULTRA Accessories

EESP318E Software Activation
- Comprehensive OEM-specific coverage for servicing European makes
- Covers fault codes, live data parameters, functional tests, relearns and adaptations for dozens of vehicle systems
- Coverage for Audi®, BMW®, FIAT®, Jaguar®, Land Rover®, Mercedes®, MINI®, Porsche®, SMART®, Volvo® and Volkswagen® vehicles as far back as 1992
- Also requires: EAK0301B07B European Adaptor Kit

EAC0111L40A3 Screen Protectors
- Includes three removable screen protector sheets
- Simply peel off old protector sheet and press on a new one
- Helps maintain touch screen sensitivity
- Protects screen from scratches, solvents and dirt for a clear view

EAX0068L10A Extended Length Data Cable
- Extend your diagnostic range and mobility with 9' OBD-II data cable

EAC0111L50A1 Protective Skin
- Soft, sturdy and flexible thermoplastic rubber
- Protects *SOLUS Ultra* diagnostic unit from dirt, grease and other automotive fluids; keep your tool looking like new
- Give *SOLUS Ultra* diagnostic unit a personal touch with your choice of colors
- Forms a nonslip grip over outside of your *SOLUS Ultra* platform
- Designed with access openings for screen, connectors and cooling vents for unimpeded operation

2-04650A *SOLUS Ultra* Spare Battery

2-35466A 110 V AC Power Supply
- Quick charges battery pack (power cord sold separately)

6-06321A AC Cord for 110V Power Supply
- Line cord for AC power adaptor

EAK0301B07B European vehicle adaptors

EAK0301B10A OBD-I Adaptor Kit

EAK0313L05A Soft-sided nylon carry case

SOLUS EDGE Accessories

EESP320E European Software Activation (Also requires EAK0301B07B Adaptor Kit)

EAC0111L76A3 Screen Protectors

EAX0068L10A Extended Length Data Cable

2-05450A Spare Battery Pack

EAK0301B07B European Vehicle Adaptors

EAK0301B10A OBD-I Master Adaptor Master Kit

EAZ0083L08A 8' x 2' *SOLUS* Edge Shop Banner



EAK0301B07B



EAC0110L35A3



EAK0313B02A

ETHOS+ Accessories

EESP319E European Vehicle Software Activation
- Comprehensive OEM-specific coverage for servicing European makes
- Covers fault codes and live data parameters for dozens of vehicle systems
- Coverage for Audi®, BMW®, FIAT®, Jaguar®, Land Rover®, Mercedes®, MINI®, Porsche®, SMART®, Volvo® and Volkswagen® vehicles as far back as 1992
- Also requires: EAK0301B07B European Adaptor Kit

EAC0110L35A3 Screen Guards
- Includes three screen protector sheets
- Custom-fit for the screen on *ETHOS+*
- Easy peel-and-stick application
- Simple to replace – peel off old sheet, press on a new one
- Keep your screen clean and protected from scratches, solvents and dirt for a clear view
- Helps maintain touchscreen sensitivity
- Crystal-clear protection for optimum viewing in the shop

EAK0313B02A Hand Grip and Stand Kit
- Comfortable hand strap for *ETHOS+* Scan Tool
- Makes it easy to hold and carry *ETHOS+* with one hand
- Comfortable nylon pad for all-day use
- Adjustable hook and loop strap gives secure fit on large and small hands
- Secure mounting directly to back of *ETHOS+* Scan Tool
- Works equally well for left- or right-hand users
- Includes folding stand

EAK0301B07B European Vehicle Adaptor Kit
- Includes data cable, VW1 adaptor, MB1 adaptor, MB2A adaptor, BM1B adaptor and keys
- Kit requires European Vehicle Software Activation

EAK0301B10A OBD-I Vehicle Adaptor Master Kit
- OBD-I Scan Adaptor Master Kit for pre-1996 US and Asian vehicles
- Complete adaptor set of all available Snap-on® OBD-I adapters for 1980–newer US and 1983–newer Asian vehicles
- Take advantage of the OBD-I scanner coverage built into your diagnostic tool
- Kit includes custom-molded organizer tray and data cable convertor, jumper lead set, ground lead, 12VDC adaptor plus 17 OBD-I adapters: Multi1, Multi2, Kia®2, Ford®1B, *Ford4*, GM®1, Toyota®1, *Toyota2*, Nissan®1, *Nissan2*, Mazda®1, Honda®1, Mitsubishi®1, Chrysler®1, *Chrysler2*, Jeep®1 and Hyundai®2
- UL® and ULC listed

HANDHELD DIAGNOSTIC ACCESSORIES

MODIS™ Ultra



EAC0111L76A3



EAC0111L51A



EAK0301B07B

MODIS™ Ultra Accessories

EAC0111L76A3 *MODIS* Ultra Screen Protectors
- Includes three screen protector sheets
- Custom-fit for the *MODIS* Ultra screen
- Easy peel-and-stick application
- Simple to replace – peel off old sheet and press on a new one
- Keep your screen clean and protected
- Helps maintain touch screen sensitivity
- Protect screen from scratches, solvents and dirt for a clear view
- Crystal-clear protection for optimum viewing in the shop or in the sun

EAC0111L51A Protective Skin
- Custom-molded to precisely fit *MODIS* Ultra
- Soft, sturdy, flexible thermoplastic rubber
- Protects tool from dirt, grease and automotive fluids – keep your tool looking like new
- Personalize your *MODIS* Ultra with a custom all-black look
- Forms a nonslip grip over outside of your *MODIS* Ultra platform
- One-piece construction – stretches for a tight fit over *MODIS* Ultra
- *MODIS* Ultra Diagnostic Tool is not included

EESP328E *MODIS* Ultra European Vehicle Software Activation
- Comprehensive OEM-specific coverage for servicing European makes
- Covers fault codes and live data parameters for dozens of vehicle systems
- Coverage for Audi®, BMW®, FIAT®, Jaguar®, Land Rover®, Mercedes®, MINI®, Porsche®, SMART®, Volvo® and Volkswagen® vehicles as far back as 1992
- Also requires: EAK0301B07B European Adaptor Kit

Optional Accessories:

2-04650A Spare Battery Pack
EETA308D Precision low-amp probe
EEPV302AL Low-pressure transducers
EEPV302AT Medium-pressure transducers
EEPV302AH High-pressure transducers
EMS324PSA Pressure adaptor
(required for pressure transducers)
EAC0111L76A3 Screen protectors
EAK0313L05A Soft-sided nylon carry case
EAX0068L10A 9' Extended OBD-II data cable
MODISUFOAM3 Organizers for 3-series carts
MODISUFOAM4 Organizers for 4-series carts
EAK0301B07B European vehicle adaptors
EAK0301B10A OBD-I Complete Adaptor Master Kit
EAZ0079L11A 8' x 2' *MODIS* Ultra shop banner

Service Banners

- Shows customers your shop is equipped with the latest diagnostic and information technology to do the job right the first time
- Big, bright, full-color 8' L x 2' H shop banner
- Durable, heavy 15 oz ultra-flex vinyl with reinforced grommets for easy hanging

EAZ0042B17A SHOPKEY® Service Banner
EAZ0063L28A VERDICT® Service Banner
EAZ00075L22A SOLUS Ultra® Service Banner
EAZ0077L07A VERUS® PRO Service Banner
EAZ0079L11A MODIS™ Ultra Service Banner
EAZ0083L08A SOLUS™ Edge Banner



EAZ0042B17A



EAZ0063L28A



EAZ0075L22A



EAZ0077L07A



EAZ0079L11A



EAZ0083L08A

WARNING

- Do not use in atmosphere with explosive vapor
- Read safety precautions on pages W1 to W4

SCAN TOOL ACCESSORIES



EAK0301B10A



EAA0355L46C



EAX0066L30A



EAA0355L68A



EAK0267B01H



EAX0068L00B

Scan Tool Accessories

EAK0301B10A OBD-I Vehicle Adaptor Kit
- OBD-I Scan Adaptor Master Kit for pre-1996 US and Asian vehicles
- Complete adaptor set of all available Snap-on® OBD-I adapters for 1980–newer US and 1983–newer Asian vehicles
- Take advantage of the OBD-I scanner coverage built into your diagnostic tool
- Kit includes custom-molded organizer tray and data cable convertor, jumper lead set, ground lead, 12VDC adaptor plus 17 OBD-I adapters: Multi1, Multi2, Kia®2, Ford®1B, *Ford*4, GM®1, Toyota®1, *Toyota*2, Nissan®1, *Nissan*2, Mazda®1, Honda®1, Mitsubishi®1, Chrysler®1, *Chrysler*2, Jeep®1 and Hyundai®2
- UL® and ULC listed

EAA0355L46C Replacement OBD-II Key Adaptor
- For US and Asian vehicle applications
- Accepts "K" personality keys
- Fits VERUS®, MODIS® and SOLUS PRO™ diagnostic units

EAX0066L50A Replacement Data Cable
- For connection between scan tool and vehicle adaptors
- For *VERUS*, *MODIS*, *SOLUS PRO* and SOLUS Ultra® diagnostic units only

EAX0066L30A OBD Data Cable Extension
- Extend scan tool reach by 6'
- Fits *VERUS*, *MODIS*, *SOLUS PRO* and ETHOS® diagnostic units

EAA0355L68A DL-16 Key Adaptor-European Vehicles
- Replacement adaptor for European vehicle applications
- Accepts "S" personality keys
- Fits *VERUS*, *MODIS*, *SOLUS PRO*, SOLUS® and *ETHOS* diagnostic units

EAK0301B07B European Vehicle Adaptor Kit
- Includes data cable, VW1 adaptor, MB1 adaptor, MB2A adaptor, BM1B adaptor and keys
- Kit requires European Vehicle Software Activation

EAK0267B01H European Vehicle Keys/Adaptors Kit
- Fits *VERUS, MODIS, SOLUS, SOLUS Pro* and *ETHOS*
- European vehicle adaptor kit
- Includes VW1, MB1, MB2A, BM1B adaptors (includes keys where applicable)
- Requires European Vehicle Software Activation
- Covers the most popular 1992–newer European vehicles

EAK0294B34A Key Kit for Land Rover® vehicles
- Set of personality keys required for complete *Land Rover* coverage with *VERUS*, *MODIS*, *SOLUS PRO* and *ETHOS* diagnostic units

EAX0068L01A Replacement Data Cable for OBD-I and European Adaptor Applications
- Fits, *VERUS* PRO, *VERUS* Wireless, *VERDICT, MODIS* Ultra *SOLUS Ultra* and *SOLUS* Edge

EAX0068L00B Replacement OBD-II Data Cable
- Fits, *VERUS* PRO, *VERUS* Wireless, *VERDICT*, *MODIS* Ultra *SOLUS Ultra* and *SOLUS* Edge

EAK0253B01J Domestic/Asian Key Set
- OBD-II personality keys. Complete replacement set for US and Asian vehicle applications for *ETHOS, MODIS, SOLUS, SOLUS PRO* and *VERUS* only

SCOPE AND METER ACCESSORIES:
VERUS®/*VERUS* Wireless/VERDICT®/MODIS™/*MODIS* Ultra/Vantage® PRO™/*Vantage* Ultra



EEPV302AT



EAX0024B40A



EAX0024B30A



EEMS324PSA

Pressure Transducer Kits

- Record, plot and monitor pressure in real time
- Typical applications include ABS, PS, transmissions, hydraulics and fuel systems
- *VERUS, Vantage PRO* and MODIS™ require EEMS301A05
- *VERUS* PRO, *VERDICT, MODIS* Ultra and M2 Meter require EEMS324PSA adaptor

EEPV302AL Transducer Kit (0–100 PSI)

EEPV302AT Transducer Kit (0–500 PSI)

EEPV302AH Transducer Kit (0–5,000 PSI)

EAX0024B40A Transducer "Y" Adaptor Cable

- Enables simultaneous use of two pressure transducers for multiple point comparison testing

EAX0024B30A 6' Transducer Cable Extension

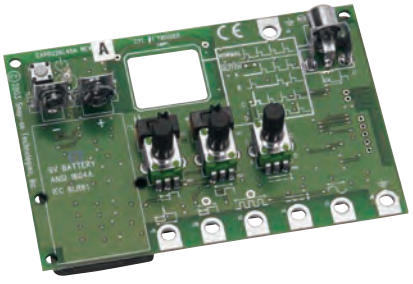
- Extends the reach of EEPV302AL/AT/AH pressure transducers by 6'

EEMS324PSA Pressure Transducer Adaptor *(VERDICT)*

- Adapts standard meter jacks to EEPV302AL, EEPV302AT and EEPV302AH pressure transducers (not included)
- Provides connection of transducer plug to standard meter jacks, and provides power to the pressure transducers
- Use up to two transducers simultaneously
- View results on *VERUS* PRO, *VERDICT*, *MODIS* Ultra or M2 Meter



EETA108B



EESX306A

Scope Leads

EETA108B Extra Long Scope Lead Set (2-pack)

- 10" leads extend the reach of scope/meter leads for testing hard-to-reach components

Waveform Demonstration Tool

EESX306A Waveform Demonstration Tool

- Versatile scope training/demo tool
- Use with any scope
- Simulates good waveforms, bad waveforms and glitches
- Square wave, variable duty, FI pattern, AC signal, secondary ignition pattern
- Adjustable frequency, voltage, RPM and amplitude

⚠WARNING

- Do not use in atmosphere with explosive vapor
- Read safety precautions on pages W1 to W4

SCOPE AND METER ACCESSORIES



EETA308D

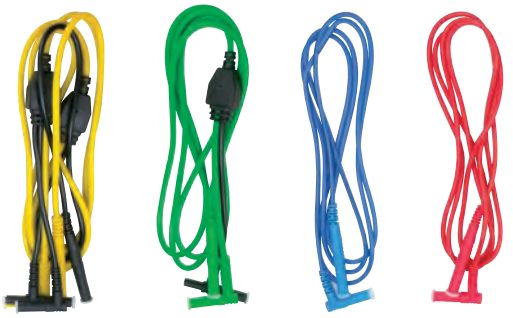


EEMS301A05

Probes and Adaptors

EETA308D Low AMP Probe
- Hall effect technology gives accurate non-intrusive circuit testing
- Perform precision testing of parasitic draw, injectors, pumps, relays and more
- Spring clamp operation can test wires up to 1/2" diameter
- Scale ranges: 20 amp and 60 amp
- Resolution: +/- 1 milliamp
- Internally powered by 9V battery

EEMS301A05 Split Lead Adaptor
- Enables simultaneous use of two pressure transducers and RPM pick-up
- Fits *VERUS*, *VERUS* Wireless, *Vantage* PRO and *MODIS*



Test Leads

- Shielded, soft, flexible leads for meter and scope measurement
- Stackable, right angle ground plug attached

6-03022A Test Lead
Channel-1 (Yellow)

6-03122A Test Lead
Channel-2 (Green)

6-03222A Test Lead
Channel-3 (Blue)

6-03322A Test Lead
Channel-4 (Red)



Alligator Clips

- Spring-loaded clips provide secure, insulated connection for meter and scope measurements

2-06433A1 Alligator Clip
Black

2-06433A2 Alligator Clip
Red

2-06433A3 Alligator Clip
Blue

2-06433A4 Alligator Clip
Yellow

2-06433A5 Alligator Clip
Green



MTTL430

Adaptors and Pick-ups

MTTL430 Backprobe Adaptors (3-pack)
- Bendable stainless-steel tips for easy insertion into terminal connectors
- Three ID boot colors for quick circuit identification
- Premium component construction – stainless-steel tips, high temp composite and boot materials for long, reliable life
- Textured composite body for good grip
- Recessed loop ends for fast and reliable connection using alligator clips, grabbers or hook connections
- Removable boots enable custom color selections or restoring color to tired and dirty used boots with the MTTLBOOTS multi pack of boots
- Portable storage strip holds all three probes

Accessories shown on this page can be used on these Snap-on® Diagnostic Platforms: VERUS® / *VERUS* Wireless / *VERUS* PRO / VERDICT® / MODIS™ / *MODIS* Ultra / VANTAGE® PRO / VANTAGE® Ultra.

Multi-cylinder Secondary Ignition Scope Adaptors

Exclusive kV ignition adaptors make for easy connection and testing of secondary ignition on coil-on-plug (COP) and coil-in-cap (CIC) systems. Custom fit to vehicle ignition systems. Requires EAK0294B09A ignition scope lead kit.



EAC0056L00A



EAC0056L02A



EAC0056L03A

EAC0056L00A General-purpose COP/CIC Single-Flag Pick-up
Single-cylinder pick-up. Use with three-flag pick-up for V8 engines.

EAC0056L02A General-purpose COP/CIC Three-Flag Pick-up
Three-cylinder pick-up. Use two for V6 engines or use two with single-cylinder pick-up for V8 engines.

EAC0056L03A General-purpose COP/CIC Stick Pick-up
For inline four-cylinder engine.

Coil-on-Plug COP Ignition Coil Adaptors

EETM306A03 COP-1 Ignition Pick-up for Ford® Vehicles
EETM306A04 COP-2 Ignition Pick-up for Chrysler® Vehicles
EETM306A07 COP-3 Ignition Pick-up for VW®/Audi® Vehicles
EETM306A08 COP-4 Ignition Pick-up for Acura®/Honda®/Isuzu® Vehicles
EETM306A09 COP-5 Ignition Pick-up for Volvo®/BMW® Vehicles
EETM306A10 COP-6 Ignition Pick-up for Mercedes® Vehicles
EETM306A11 COP-7 Ignition Pick-up for *Mercedes* Vehicles
EETM306A12 COP-8 Ignition Pick-up for *BMW* Vehicles
EETM306A13 COP-9 Ignition Pick-up for Lexus® Vehicles
EETM306A14 COP-11 Ignition Pick-up for *Chrysler*/Jeep®/*Lexus*/Toyota® Vehicles



EETM306A08



EETM306A06



EETA309A15



EAK0294B09A

Coil-in-Cap CIC Ignition Coil Adaptors

EETM306A05 CIC-2 CIC Pick-up for *Toyota*/*Honda* Vehicles
EETM306A06 CIC-1 HEI CIC Pick-up for GM® Vehicles

Secondary Ignition Adaptors

EETA309A15 Sun® SIA2000 Multi-Ignition Adaptor
- Ideal for waste spark ignition systems up to eight cylinders
- Simply clamps directly to plug wires
- Also for COP/CIC systems (COP/CIC adaptors sold separately)

EAK0294B09A Ignition Scope Lead Kit
- For multi-cylinder secondary ignition testing
- Includes inductive RPM pick-up trigger, coil adaptor lead and secondary kV clip-on probe
- Ideal for distributor systems and for COP/CIC systems

Accessories shown on this page can be used on these Snap-on® Diagnostic Platforms: VERUS® / *VERUS* Wireless / *VERUS* PRO / VERDICT® / MODIS™ / *MODIS* Ultra / VANTAGE® PRO / VANTAGE Ultra.

⚠WARNING

- Do not use in atmosphere with explosive vapor
- Read safety precautions on pages W1 to W4

GAS ANALYZERS



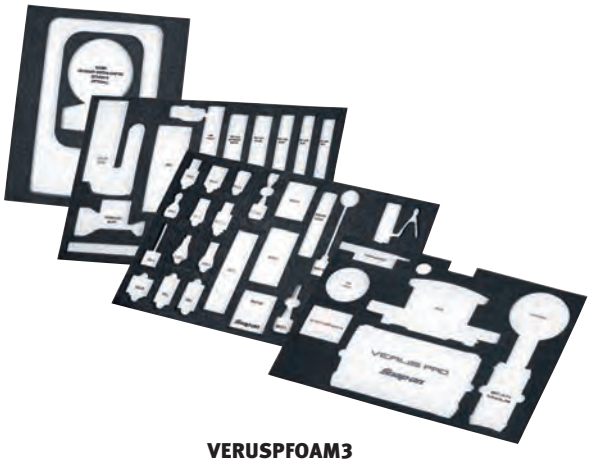
HHGA5BP

Handheld Gas Analyzer

HHGA5BP Handheld Gas Analyzer Kit (5 Gas)
Independent Handheld 5 Gas Analyzer or use with MODIS™ Link, VERDICT® and VERUS® Bluetooth® link.

- Fully Portable 5 Gas Analyzer, go anywhere, use anywhere
- 110V AC and 12V powered
- Internal rechargeable battery, up to one hour of use
- Ideal for road testing and mobile use
- Measures exhaust emissions for CO, CO_2, HC, O_2, NOx and AFR/Lambda
- Provides an instant assessment of an engine vehicle exhaust and catalytic converter
- Add a 5 Gas Analyzer function to *MODIS*, *VERDICT* and *VERUS*-family platforms
- Setup required with included software on USB stick
- Gather all the evidence required for effective and accurate vehicle diagnostics on one screen in real time
- View, graph, save and recall data
- Monitor and reduce vehicle emissions, improve driveability and fuel efficiency
- Snap-on® HHGA5BP is truly handheld, about the size and weight of a DMM offering true portability
- Links to *MODIS*, *VERUS*, *VERDICT* and other suitable *Bluetooth* devices
- There are 255 memory locations in the analyzer to track and print data for the same or many different vehicles
- HHGA5BP is compatible with gasoline, CNG, propane and diesel fuel types
- HHGA5BP is very sensitive and pulls only 1/14 the exhaust volume of competing analyzers. This means no problems with water ingress and pumps last longer
- Annual Cal and sensor replacement. Meets required industry standard
- Diagnose a variety of driveability problems
  - Problems in ignition system (spark plugs, wires)
  - Engine compression problems
  - Temperature sensor malfunction
  - EGR Valve problems
  - Dirty air filter
  - Obstructed intake valve ports
  - Lambda Sensor failure
  - Excessive fuel consumption
  - Misfire
  - Rusted exhaust (internal or external rust)
  - Non-homologated exhaust (wrong back pressure)
  - Melted catalytic converter
  - Worn out catalytic converter
  - Obstructed exhaust or catalytic converter
- HHGA5B is the same as HHGA5BP but does not include the printer and hard shell case

TECHNICAL SUPPORT 1-888-717-1333



VERUSPFOAM3



SOLVANUFOAM4

Custom-Fit Foam Organizers

- Custom-4pc set of rigid foam inserts provides total organization for your tools and accessories so you always know where to find them
- Turn your tool cart into a high-end mobile diagnostic WorkStation
- Keep your diagnostic power locked, loaded and always at the ready
- Keep your valuable diagnostic investment clean, organized, secure and protected
- Dedicated locations for standard accessories, plus optional accessories like scan adaptors, scope accessories, ignition adaptors, amp probe and more

Foam Set	Diagnostic Platform Used On	Roll Carts Used On
VERUSPFOAM3	VERUS® PRO	KRSC30/31/32/33 Series
VERDICTFOAM3	VERDICT®	KRSC30/31/33 Series
MODISUFOAM3	MODUS™ Ultra	KRSC30/31/32/33 Series
SOLVANUFOAM3	SOLUS™ Ultra®/ VANTAGE™ Ultra	KRSC30/31/32/33 Series
VERUSPFOAM4	*VERUS* PRO	KRSC40/46 Series
VERDICTFOAM4	*VERDICT*	KRSC40/46 Series
MODISUFOAM4	*MODUS* Ultra	KRSC40/46 Series
SOLVANUFOAM4	*SOLUS Ultra*/ *VANTAGE* Ultra	KRSC40/46 Series
SOLVANEFOAM3	SOLUS™ Edge/ *VANTAGE* Ultra	KRSC30/31/32 Series
SOLVANEFOAM4	*SOLUS* Edge/ *VANTAGE* Ultra	KRSC40/46 Series



EAK0312L19A



EAK0313L05A

EAK0312L19A Padded Carry Case

- Provides protection and portability in the shop or on the road
- Reinforced semi-rigid nylon case with padded sides for protection of valuable diagnostic tools
- Three padded compartments for your Snap-on® diagnostic tools. Plus two elastic net compartments for accessories
- Zippered on three sides so case opens flat for easy access
- Generous 14" x 19" x 4" size holds diagnostic tool and many accessories
- Sturdy sewn-in handle and embroidered *Snap-on* logo
- Accommodates *VERUS* PRO, *VERDICT*, *MODIS* Ultra, *SOLUS* series, ETHOS® series, *VANTAGE* series tools

EAK0313L05A Compact Tote Case

- Provides protection and portability in the shop or on the road
- Compact 14" x 11" x 3" size holds diagnostic tool and some accessories
- Reinforced semi-rigid case with padded sides for protection of valuable diagnostic tools
- Tough polyester fabric with hook-and-loop straps inside to secure your tools and accessories
- Bold embroidered *Snap-on* logo shows you work with *Snap-on* quality tools
- Elastic net compartment for small accessories
- Zippered on three sides so case opens flat for easy access
- Sturdy sewn-in handle with molded comfort grip
- Accommodates *MODIS* Ultra, *SOLUS* series, *VANTAGE* series, *ETHOS* series

⚠WARNING

- Do not use in atmosphere with explosive vapor
- Read safety precautions on pages W1 to W4

SOFTWARE UPGRADES

Diagnostic Software Upgrades – for VERUS®-series, VERDICT®-series, VANTAGE®-series, MODIS™-series, SOLUS™-series and ETHOS®-series tools

- Continue to improve your productivity with regularly scheduled software upgrades from Snap-on® featuring updated coverage for new vehicles, expanded coverage for earlier models and the latest enhancements that add capabilities to your tool
- You will access thousands of new vehicle systems, trouble codes and live data parameters, as well as thousands of new experience-based troubleshooter tips, functional tests, adaptations and component tests for platforms with those functions
- For details on the latest software upgrade, see your *Snap-on* representative

European Vehicle Scan Tool Software Activation for *VERUS*-series, *VERDICT*-series, *MODIS*-series, *SOLUS*-series, and *ETHOS*-series tools

- Comprehensive OEM-specific coverage is critical for servicing European makes, from fault codes and data for dozens of vehicle systems, to functional tests, relearns and adaptations for vehicles with those features
- Coverage for vehicles Audi®, BMW®, FIAT®, Jaguar®, Land Rover®, MINI®, Mercedes®, Porsche®, SMART®, Volvo®, Volkswagen® as far back as 1992
- See your *Snap-on* representative



EETA113B

EETA113B Pass Thru Pro II J2534 Reprogramming Device

- Reprogram vehicle control modules like the OEMs
- Updates software/firmware in vehicle electronic control units (ECU)
- For J2534 compliant 2004–later vehicles
- Includes OEM-approved programming interface, cables and software
- Requires Internet access, OEM data subscription and a PC
- Reprogramming requires a constant voltage supply to vehicle such as the EEBC500 Battery Charger or EECS306C D-TAC Elite (sold separately)

SHOPKEY PRO

Repair Information System
Medium Truck Repair Information
Tractor-Trailer and REPAIR>CONNECT
Service Writer/Shop Management

- The most trusted source of automotive repair information available, ShopKey® is loaded with features to make you more efficient and your repair job easier
- Access tools such as *ShopKey* live tips, enhanced TSBs, the industry's only scalable vector graphic color wiring diagrams and vintage information dating back to 1960
- Powerful 1Search™ technology delivers complete OEM and experience-based information together in a single lookup
- The new SureTrack® expert information combines exclusive diagnostic experience, parts replacement records and an interactive forum, to improve diagnostic accuracy and reduce repair time
- With *ShopKey*Pro online access you're always up to date on the latest vehicle coverage and industry changes
- Whether it's repair and estimating for Light Duty vehicles, Medium Truck, Tractor-Trailer, Service Writer or Shop Management software you're looking for, *ShopKey*Pro has you covered
- Access *ShopKey*Pro on your Snap-on® VERDICT® -or VERUS®-series tool and have the information you need to get the job done, right at your fingertips
- For details on how to make *ShopKey*Pro a part of your daily diagnostic and repair routine, see your *Snap-on* representative or visit diagnostics.snapon.com/shopkeypro



Full-color wiring diagrams with circuit highlights and zoom feature clarify even the most complex circuits.



With a single lookup you get access to illustrated repair procedures, diagnostic information, expert tips, maintenance schedules, TSBs, wiring diagrams and component locators.

OBD-II SCAN TOOLS



EESC720



EAK0302L03A

MICROSCAN® III OBD-II Scanner

EESC720 *MICROSCAN* III OBD-II Scanner

- Read and clear OBD-II codes and display live data parameters on all makes of 1996–newer vehicles in under 30 seconds
- Covers enhanced engine codes for diagnostic depth on most GM®, Ford® and Chrysler® vehicles
- Read and clear ABS codes on select *GM*, *Ford* and *Chrysler* vehicles
- Graphing display compares three live-data parameters on screen at once to see cause-and-effect of vehicle faults
- Big 4" touch screen for fast navigation; shows detailed results with clarity
- Exclusive built-in code tip database shows possible causes of engine fault codes
- Covers all ten modes of OBD-II: read codes, clear codes, reset the MIL, view current data, emissions readiness, on-board monitors, ECU information, pending codes and more
- No batteries required – powers from vehicle; simply connect *MICROSCAN* III to a vehicle for automatic boot-up
- Create custom data lists. Record, save, play back data and screen images for reference

EAK0302L03A *MICROSCAN* III OBD-1 Adaptor Kit

- Read engine codes on select pre-1996 *GM*, *Ford*, *Chrysler* and Toyota® vehicles
- OBD-I adaptors are compatible with vehicles as far back as 1983
- *Chrysler*1, *GM*1, *Toyota*1 and *Toyota*2 adaptors
- Note: For *MICROSCAN* III only. Not compatible with *Snap-on* brand scan tools

⚠WARNING

- Do not use in atmosphere with explosive vapor
- Read safety precautions on pages W1 to W4

OBD-II SCAN TOOLS



EECR1



EECR2

Car Reader Scan Tools

	Description	EECR1	EECR2
Application	Diagnostic Check Engine Lights on 1996 and Newer Vehicles	•	•
	Turns off Check Engine Light	•	•
	Works on Late Model Vehicles with C.A.N. Protocol	•	•
Unique Features	Plug-and-Play Diagnostics with All-in-One Display	•	•
	Vehicle Health Status LED Display OBD Emissions Readiness	•	•
	Hot Keys for Intuitive Navigation and Fewer Menus	•	•
	Complete Drive Cycles with Emissions Readiness Advisor	•	•
	Automatic Vehicle Idenification	•	•
	Backlit	•	•
	Diagnose & Clear ABS Light on popular 1996+ GM®, Ford®, Chrysler®, Toyota®, Honda®		•
	Battery Backup for off Vehicle Review		•
	Displays in English, Spanish and French		•
On-Board Diagnostic Features	Retrieves Manufacturer and Generic Codes		•
	Displays Enhanced Freeze Frame Data		•
	On-Screen Code Definitions in English, Spanish and French		•
	Updateable via the Web, USB Cable included		•

TECHNICAL SUPPORT: 1-877-447-6276

EECR1 CarScan-Reader
- Diagnose and turn off check engine light – works on all 1996 and newer OBD-II vehicles
- Plug-and-play diagnostics – simply plug in, tool automatically links to vehicle, then diagnostics start in seconds
- I/M readiness advisor – perform OBD-II drive and trip cycle tests to validate for accurate repairs with on-screen I/M status indicators
- Vehicle health status LEDs – know in advance if the vehicle is emission test ready (Red=Fail, Green=Pass)
- Backlit screen
- Includes EECR1-1 quick reference guide (English, Spanish, French)

EECR2 CarScan-Diagnostics
- Diagnose and turn off check engine light – works on all 1996 and newer OBD-II vehicles
- Plug-and-play diagnostics – simply plug in, tool automatically links to vehicle, then diagnostics start in seconds
- I/M readiness advisor – perform OBD-II drive and trip cycle tests to validate for accurate repairs with on-screen I/M status indicators
- Vehicle health status LEDs – know in advance if the vehicle is emission test ready (Red=Fail, Green=Pass)
- Backlit screen
- Service, diagnose engine and ABS system – read and clear anti-lock brake DTCs on 1996 and newer US, *Toyota* and *Honda*
- View freeze frame data – review a snapshot of the conditions present when the failure occurred to duplicate for advanced diagnostics. Built-in memory for off-car review
- DTC definitions displayed in English, Spanish and French
- Internet updatable via USB
- Includes EECR2-2 OBD-II cable (16-pin), EECR2-3 USB Micro Cable (48") and EECR2-4 quick reference guide (English, Spanish, French)



EEHD704004

Pro-Link Ultra Elite Diagnostic Kit

EEHD704004 *Pro-Link* Ultra Elite Diagnostic Kit

- The *PRO-LINK* Ultra Scan Tool Elite Kit is perfect for truck shops, general repair, fleet maintenance, mobile service and municipalities
- Provides OEM-proprietary diagnostics for commercial heavy duty trucks
- Tested and licensed OEM coverage for all major systems, including engines, transmissions, ABS, instrument cluster, emissions, SCR, body systems and more
- Essential maintenance functions include read and clear fault codes, access trip data to monitor vehicle and driver performance, create health reports and view live data to verify performance
- Powerful repair functions include graph live data to find tough problems, special tests to verify component failures and validate system operation, program replacement components, expanded component diagnostics and custom ECU programming configuration

TECHNICAL SUPPORT: 1-800-639-6774

KEY FUNCTIONS AND FEATURES

- Large, sharp color graphics
- Information clearly displayed
- Fast data downloads
- Portable and powerful

VIEW DIAGNOSTIC DATA

- Features 8.5" Full Color Class LED Sun Light Readable Display

PRINT

- Print vehicle reports and information gathered from your diagnostic session to a printer

EEHD704004 includes:

- *PRO-LINK* Ultra Heavy Duty Diagnostic System
- 8' data cable, 16-Pin J1962 OBDII adaptor, 9-pin Deutsch® adapter, 6-pin *Deutsch* adaptor, GM® 12-pin adaptor, PLC adaptor
- Hard shell carrying case with cushioned foam organizer
- Complete guide book of fault code descriptions
- High-energy Lithium-ion battery pack
- 120V AC power adaptor
- Please see chart on the next page for included software

⚠WARNING

- Do not use in atmosphere with explosive vapor
- Read safety precautions on pages W1 to W4

PRO-LINK® ULTRA HEAVY DUTY VEHICLE DIAGNOSTICS



EEHD184040

Pro-Link Ultra Kit Components

EEHD184040 *Pro-Link* Ultra Starter Diagnostic Kit

- Smarter. Easier. Essential. The recognized standard in diagnostic scan tools
- The *PRO-LINK* Ultra Scan Tool Starter Kit is perfect for truck shops, general repair, fleet maintenance, mobile service and municipalities
- Provides OEM-proprietary diagnostics for commercial heavy duty trucks
- Tested and licensed OEM coverage for all major systems, including engines, transmissions, ABS, instrument cluster, emissions, SCR, body systems and more

TECHNICAL SUPPORT: 1-800-639-6774

KEY FUNCTIONS AND FEATURES

- Large, sharp color graphics
- Information clearly displayed
- Fast data downloads
- Portable and powerful

EEHD184040 includes:

- *PRO-LINK* Ultra Heavy Duty Diagnostic System
- 8' data cable, 16-pin J1962 OBDII adaptor, 9-pin Deutsch® adaptor, 6-pin *Deutsch* adaptor
- Semi-hard shell carrying case with cushioned foam organizer
- Complete guide book of fault code descriptions
- High-energy Lithium-ion battery pack
- 120V AC power adapter

	Stock No.	Description	EEHD704004 *PRO-LINK* Ultra Elite Kit	EEHD *PRO-LINK* Ultra Starter Kit
Software	**EEHD864007**	Heavy Duty Standard J1939 Medium and Heavy Duty Trucks with EPA '10 2004–2014	•	•
	EEHD864008	Heavy Duty Standard J1708 Medium and Heavy Duty Trucks 1987–2012	•	•
	EEHD864076	OBD-II / EOBD–Light and Medium Duty Trucks 1996–2014	•	•
	EEHD864024	CAT® ACERT™ v2.0 2003–2009	•	
	EEHD864027	Caterpillar® Electronic Engines 1990–2003	•	
	EEHD864010	International® Engines 1,2,3 Box 1994–2006	•	
	EEHD864009	Navistar® MaxxForce® v2.0 2007–2012	•	
	EEHD864015	DDEC II, III, IV, V v2.0 1987–2006	•	
	EEHD864018	DDEC 6, 10, 13, MBE 2007–2013	•	
	EEHD864031	DDEC MBE 2001–2006	•	
	EEHD864005	Allison® Transmission Suite GEN IV, 1K/2K, WTEC,CEC1	•	
	EEHD864013	Bendix® Air ABS	•	
	EEHD864014	Meritor® WABCO Air and Hydraulic ABS	•	
	EEHD864021	Trailer ABS Suite Wabash®, Haldex® and Eaton®	•	
	EEHD864048	Enhanced Ford®, GM® and Isuzu® engines	•	
Adaptors	**EEHD493013**	J1962 Adaptor (16-pin)	•	•
	EEHD493024	6-pin Deutsch® adaptor	•	•
	EEHD493028	9-pin *Deutsch* adaptor (Non-Locking)	•	•
	EEHD493003	*GM* 12-pin adaptor	•	
	EEHD602020	PLC Converter (required for newer trailers)	•	
Optional Scan Tool	**EEHD183030S**	Pocket iQ™ with EOBD-II and HDS update		
	EEHD181030S	*Pocket iQ* with OBD-II		

PRO-LINK Ultra software listed above is not backwards compatible to older *PRO-LINK* iQ® platforms

PRO-LINK Ultra Software/Engine Applications

Stock No.	Description
EEHD864009	*Navistar MaxxForce* v2.0 2007–2012
EEHD864010	*International* Engines 1,2,3 Box 1994–2006
EEHD864015	DDEC II,III,IV,V v2.0 1987–2006
EEHD864024	*CAT ACERT* v2.0 2003–2009
EEHD864027	*Caterpillar* Electronic Engines 1990–2003
EEHD864018	DDEC 6,10,13, MBE 2007–2013
EEHD864031	DDEC MBE 2001–2006

PRO-LINK Ultra Software/Brake Applications

- Heavy Duty ABS applications provide diagnostic ABS information for both tractors and trailers
- They allow viewing of proprietary information and running of special tests

Stock No.	Description
EEHD864013	Bendix® Air ABS
EEHD864014	*Meritor* WABCO Air and Hydraulic ABS
EEHD864021	Trailer ABS Suite *Wabash*, *Haldex* and *Eaton*

PRO-LINK Ultra Software/LMT Applications

Stock No.	Description
EEHD864048	Enhanced *Ford*, *GM*, and *Isuzu* engines

EEHD864048 *PRO-LINK* Ultra Software for Light/Medium Duty Trucks (LMT) 2012

- Features enhanced coverage for gas and diesel engines, including *Ford* 7.3, 6.4 and 6.0 Liter Powerstroke®; *GM* and *Isuzu* 8.1 Liter, 6.6 Liter Duramax®, 7.8 Liter Diesel and 5.2 Liter Diesel
- Plus Transmissions and ABS coverage for *GM* C1500–C7500, T4500–T7500, P chassis and Workhorse; *Ford* F250–F750, E250–E450; *Isuzu* (NPR/NF3, NQR/NRR) truck

PRO-LINK Ultra Software/ Transmission Applications

- Heavy Duty Transmission applications allow viewing of proprietary information and the running of special tests

Stock No.	Description
EEHD864005	*Allison* Transmission Suite GEN IV, 1K/2K, WTEC,CEC1

PRO-LINK Ultra Software/HDS Applications

- Snap-on® offers Heavy Duty Standard (HDS) generic applications covering engines, transmissions, and brakes that provide access to limited, non-proprietary diagnostic information
- HDS Capabilities:
  - –Read active fault codes
  - –Read and clear inactive fault codes
  - –View non-proprietary parameters
  - –Read trip information
- Heavy duty standard software listed below is included with the *PRO-LINK* Ultra Scan Tool

Stock No.	Description
EEHD864007	Heavy Duty Standard J1939 Medium and Heavy Duty Trucks with EPA '10 2004–2014
EEHD864076	OBD-II / EOBD–Light and Medium Duty Trucks 1996–2014
EEHD864008	Heavy Duty Standard J1708 Medium and Heavy Duty Trucks 1987–2012

⚠WARNING

- Do not use in atmosphere with explosive vapor
- Read safety precautions on pages W1 to W4

PRO-LINK® ULTRA HEAVY DUTY VEHICLE DIAGNOSTICS


EEHD493001


EEHD493003


EEHD493013


EEHD493015


EEHD493024


EEHD493026


EEHD493028


EEHD493014


EEHD493033


EEHD494099


EEHD424001


EEHD602020


EEHD494094


EEHD403098



EEHD903008


EEHD213011


EEHD214006


EEHDULTRAFOAM


EEHD1402813


EEHD4001-022


EEHD4001-023

PRO-LINK Ultra Adaptors, Cables and Accessories

Stock No.	Description
EEHD493001	9-pin Deutsch® adaptor (Locking)
EEHD493003	GM® 12-pin adaptor
EEHD493013	J1962 Adaptor (16-pin)
EEHD493015	Caterpillar® 9-pin Adaptor
EEHD493024	6-pin *Deutsch* adaptor
EEHD493026	Data cable
EEHD493028	9-pin *Deutsch* adaptor (Non-Locking)
EEHD493014	Adaptor for *Caterpillar* T 9-pin
EEHD493033	Adaptor for 3-pin *Deutsch*, 2-pin Cummins®
EEHD494099	AC adaptor
EEHD424001	J560 PLC cable set
EEHD602020	PLC Converter (required for newer trailers)
EEHD494094	HDMI® Cable
EEHD403098	USB Cable
EEHD903008	Fault Code Guide
EEHD213011	Carrying case
EEHD214006	Rugged Ultra Case
EEHDULTRAFOAM	Extreme Carrying Case Foam Insert
EEHD1402813	Stylus pens (3-pack)
EEHD2450801A	1 Screen protector
EEHD4001-022	2,400mAH Battery
EEHD4001-023	4,800mAH Battery



EEHD183030S

Pocket iQ Heavy Duty Scan Tool

Stock No.	Description
EEHD181030S	*Pocket iQ* with OBDII
EEHD183030S	*Pocket iQ* with EOBDII and HDS update

EEHD181030S *Pocket iQ* Heavy Duty Scan Tool

- The *Pocket iQ* – A generic scan tool for all commercial vehicles from light duty to Class 8 trucks. The *Pocket iQ* provides the following support for:
  – Medium and Heavy Duty Trucks J1708 and J1939
  – Light Duty Trucks OBD-II
- Medium and Heavy Duty Truck – The *Pocket iQ* reads active fault codes, reads and clears inactive fault codes, and monitors J1708 and J1939 engine, brake and transmission data
- Light Duty Truck – Reads active fault codes, reads and clears inactive fault codes and monitors OBD-II engine data
- Reporting Tools – Enables technicians to save vehicle diagnostic and fleet performance information on the device in a PDF or text format. Once saved, the reports can be printed from the *Pocket iQ* to a standard PCL3 printer or transferred to a memory stick (stick sold separately)
- Upgradeable – The *Pocket iQ* USB port allows for future updates/upgrades, and provides the ability to download reports to your memory stick

TECHNICAL SUPPORT: 1-800-639-6774

EEHD181030S/EEHD181030S Includes:

- **Stylus Pen**
- **EEHD181030PB Soft Case for *Pocket iQ***
- **EEHD501002 Power and Data Cable**
- **EEHD488024 6-pin Deutsch® Adaptor**
- **EEHD488028 9-pin *Deutsch* Adaptor**
- **EEHD481013 OBD-II Adaptor**
- **EEHD403098 USB Cable**
- **EAK0276B02A AC/DC Adaptor, 1.5 amp 12V**
- **EEHD181030-2 Battery Pack**
- **SS3241 Instructional DVD**

⚠WARNING

- Do not use in atmosphere with explosive vapor
- Read safety precautions on pages W1 to W4

POCKET IQ™ HEAVY DUTY VEHICLE DIAGNOSTICS





EEHD692020



EEHD692021

Pocket iQ Software

EEHD693010 *Pocket iQ* Lite Application for International®/Navistar® Engines
- Read proprietary data and fault codes on *International* 1,2,3 box engines as well as *Navistar* MaxxForce® engines
- Program idle shutdown time
- Enable and Disable idle shutdown timer
- Program Max Vehicle Road speed limits
- Run Cylinder Cutout Test
- Program Min and Max cruise control
- DPF Regen for cleaning of the diesel particulate filter on *MaxxForce* engines
- Read, save and clear fault codes
- Read and save vehicle trip information
- Read live vehicle data
- Create vehicle "health" reports
- Includes the *Pocket iQ* Scan Tool

Applications
International 1,2,3 Box (1994–2006)
Navistar MaxxForce (2007–2013)

EEHD693010SO *Pocket iQ* Lite Application for *International/Navistar* Engines
- Same as EEHD693010 but does not include the *Pocket iQ* Scan Tool
- Software only

EEHD693015 *Pocket iQ* Lite Application for DDEC Engines
- Read proprietary data and fault codes on Detroit Diesel® EC engines
- Program idle shutdown time
- Enable and Disable idle shutdown timer
- Program Max Vehicle Road speed limits
- Program Min and Max cruise control
- Run Cylinder Cutout Test
- DPF Regen for cleaning of the diesel particulate filter
- *Detroit Diesel*/MBE (900, 4000) DDEC. II, III, IV and V engines 6, 10, 13
- Read, save and clear fault codes
- Read and save vehicle trip information
- Read live vehicle data
- Create vehicle "health" reports
- Includes the *Pocket iQ* Scan Tool

Applications
- DDEC II, III, IV, V, 6, 10, 13 (1989–2013)
- DDEC MBE (2001–2006)

EEHD693015SO *Pocket iQ* Lite Application for DDEC Engines
- Same as EEHD693013 but does not include the *Pocket iQ* Scan Tool
- Software only

EEHD693024 *Pocket iQ* Lite Application for Caterpillar® Engines
- Read proprietary data and fault codes on *Caterpillar* Electronic and CAT® ACERT™ engines
- Program idle shutdown time
- Enable and disable idle shutdown timer
- Program max vehicle road speed limits
- Program min and max cruise control
- Run cylinder cutout test
- Read, save and clear fault codes
- Read and save vehicle trip information
- Read live vehicle data
- Create vehicle "health" reports
- Includes the *Pocket iQ* Scan Tool

Applications
- *Caterpillar* Electronic Engines (1990–2002)
- *CAT ACERT* (2002–2009)

EEHD693024SO *Pocket iQ* Lite Application for *Caterpillar* Engines
- Same as EEHD693024 but does not include the *Pocket iQ* Scan Tool
- Software only

EEHD693004 *Pocket iQ* All Engines Software Suite
- Includes the *Pocket iQ* Scan Tool, EEHD639010SO *International*/*Navistar* Engine Software, EEHD693015SO DDEC Engine Software and EEHD693024SO *Caterpillar* Engine Software

EEHD693004SO *Pocket iQ* All Engines Software Suite
- Includes the EEHD639010SO *International/Navistar* Engine Software, EEHD693015SO DDEC Engine Software and EEHD693024SO *Caterpillar* Engine Software
- Does not include the *Pocket iQ* Scan Tool
- Software only

EEHD893000U HDS OBD II/EOBD Software Update
- Heavy Duty Standard suite upgrade provides the functions necessary to diagnose J1708 AND J1939, EPA '07, EPA '10 and newer electronic controlled engines

EEHD892021 Tractor-Trailer ABS Software
- EEHD892021 ABS Suite Coverage
  - Bendix®
  - Meritor WABCO® Air and Hydraulic
  - Wabash National® MBS-1P and MBS-2
  - Eaton® GEN4 & GEN5;
  - Haldex® PLC, PLC Plus, PLC Select
- Required Item
  - This brake software is for the: *Pocket iQ* EEHD181030S or EEHD183030S (sold separately)

EEHD692020 Tractor-Trailer ABS Software Kit
- Includes EEHD892021 ABS Software Suite and EEHD602020 J560 PLC Adaptor

EEHD692021 Tractor-Trailer ABS Software Kit
- Includes *Pocket iQ* Scan Tool, EEHD892021 ABS Software Suite and EEHD602020 J560 PLC Adaptor

TECHNICAL SUPPORT: 1-800-639-6774

Pro-Link iQ Software/Engine Applications

Stock No.	Description
EEHD883018	DDEC IV, 10, 13 / MBE 2007–2013
EEHD883018U	DDEC VI,10,13 V2.0 Upgrade 2007–2013*
EEHD883015	DDEC Suite II, III, IV, V 1987–2006
EEHD883015U	DDEC Suite II, III, IV, V 1987–2006 Upgrade*
EEHD889031	DDEC MBE 2001–2006
EEHD880024	CAT ACERT™ v2.0 2003–2009
EEHD880024U	*CAT ACERT* v2.0 Upgrade* 2003–2009
EEHD889024	Caterpillar® EE 1990–2003
EEHD883009	Navistar® MaxxForce® v2.0 2007–2012
EEHD883009U	*Navistar MaxxForce* v2.0 Upgrade* 2007–2012
EEHD880010	International® Engines v2.0 1994–2006
EEHD880010U	*International* Engines v2.0 Upgrade 1994–2006*

This *Pro Link iQ* software is not forward compatible to the *Pro-Link* Ultra.
*Owners of previous version of software can purchase upgrade.

iQ™ Software/Heavy Duty ABS Applications

- Software allows user to interface with the tractor ABS, trailer ABS and the PLC
- Reads current and historic fault codes
- Reads current brake data
- Clears current and historic fault codes
- Tests the Tractor-Trailer interface
- Automatically detects and reads the OEM's ECU brake system configuration
- Actuates modulators and valves
- Cycles brake retarder relays
- Tests wheel sensors and traction disabling
- Reads the trailer ECU data (odometer, trip odometer)
- Tests the trailer "ABS Warning" lamp
- Checks battery voltage to the trailer

Stock No.	Description
EEHD888014	Meritor Wabco® Air and Hydraulic
EEHD889013	Bendix® Air ABS
EEHD882021	Trailer ABS Suite Wabash®, Haldex®, Eaton®

iQ Software/Transmission Applications

Stock No.	Description
EEHD883005	Allison® Transmission® Suite GEN IV, 1K/2 WTEC, CEC1
EEHD883005U	*Allison Transmission* Suite Update*

Heavy Duty Standard Applications

Snap-on® offers Heavy Duty Standard (HDS) generic applications covering engines, transmissions and brakes that provide access to limited, non-proprietary diagnostic information.

HDS capabilities:
- Read active fault codes
- Read and clear inactive fault codes
- View non-proprietary parameters
- Read trip information

Stock No.	Description
Included	Heavy Duty Standard J1708 Medium and Heavy Duty Trucks 1989–2012
EEHD883007 (included)	Heavy Duty Standard J1939 Medium and Heavy Duty Trucks with EPA '10 2004–2013
EEHD883007U	Heavy Duty Standard J1939 Medium and Heavy Duty Trucks with EPA '10 Update*

Light and Medium Truck (LMT) Applications

- Features enhanced coverage for gas and diesel engines, including Ford® 7.3, 6.4 and 6.0 Liter Powerstroke®; GM® and Isuzu® 8.1 Liter, 6.6 Liter Duramax®, 7.8 Liter Diesel and 5.2 Liter diesel engines
- Plus Transmissions and ABS coverage for *GM* C1500–C7500, T4500–T7500, P chassis and Workhorse; *Ford* F250®–F750®, E250®–E450®; *Isuzu* (NPR/NF3, NQR/NRR) trucks

Stock No.	Description
EEHD883048	Light and Medium Truck (LMT) Enhanced *Ford*, *GM* and *Isuzu* trucks 2001–2012
EEHD883048U	Light and Medium Truck (LMT) Enhanced *Ford*, *GM* and *Isuzu* trucks 2001–2012 Update*
EEHD883076 (included)	OBD-II / EOBD Light and Medium Duty Trucks 1996–2013

WARNING • Read and follow all safety precautions in instructions and on pages W1 to W4 when using diagnostic equipment

PRO-LINK® iQ SCAN TOOL SOFTWARE AND ACCESSORIES


EEHD488024


EEHD482028


EEHD481009


EEHD481013


EEHD488099


EEHD481003


EEHD483023


EEHD401013


EEHD401014


EEHD401015


EEHD401012


EEHD421001


EEHD501002


EEHD501003


EEHD501004


EEHD602020


EEHD210007


EEHD219006


EEHD219006-1


EEHD1402813


EEHD2450801A


EEHD4001018


EEHD4001019

Pro-Link iQ Adaptors, Cables and Accessories

The cables included with the *PRO-LINK* iQ scan tool kits meet the needs of most customers. Please contact Snap-on® technical support, 1-800-639-6774, for information and assistance regarding the need for any additional cables.

Stock No.	Description	Stock No.	Description
EEHD488024	6-pin Deutsch® adaptor	EEHD501002	Power and data cable
EEHD482028	9-pin *Deutsch* adaptor	EEHD501003	Data cable
EEHD481009	HD/J1962 adaptor	EEHD501004	Power cable
EEHD481013	OBD II 1962 adaptor	EEHD602020	PLC Converter (required for newer trailers)
EEHD488099	AC adaptor	EEHD210007	Carrying case
EEHD481003	12-pin adaptor	EEHD219006	Extreme carrying case
EEHD483023	Atari® 15P to Volvo® 16-pin cable	EEHD219006-1	2pc Protective Foam-1
EEHD401013	Adaptor for 2-pin Cummins®	EEHD1402813	Stylus pens (3-pack)
EEHD401014	Adaptor for Caterpillar® T 9-pin	EEHD2450801A	1 Screen protector
EEHD401015	Adaptor for 9-pin *Deutsch* (CAT)	EEHD4001018	2-cell battery pack
EEHD401012	Adaptor for 8-pin AMP	EEHD4001019	4-cell battery pack
EEHD421001	J560 PLC cable		

Personality Keys

Use this chart to identify and order keys when upgrading your customers from their current software version to the newest one.

Upgrade	Domestic and Asian	Most common make supported	Part number	European	Most common make supported	Part number
14.2				S-26	Porsche®	EAP0283L40A
13.4				S-53	FIAT®	EAP0268L50A
13.2	K-30	Subaru®	EAP0283L30A			
12.4	K-29	GM® Extended CAN	EAP0283L20A			
12.2						
11.4						
11.2	K-28	Nissan® Altima® Hybrid	EAP0283L10A	S-69	Volvo® Dual CAN	EAP0283L05A
				S-25 S-40 S-43 S-44 S-45 S-62	Land Rover® *Land Rover* *Land Rover* *Land Rover* *Land Rover* *Land Rover*	MT2500S25A EAP0234E20A EAP0234E40A EAP0234E50A EAP0234E55A EAP0268L55A
10.2						
9.4						
9.2	K-7A K-27	Chrysler®/Mitsubishi® *Chrysler/Mitsubishi*	EAP0268L65A EAP0268L75A	S-64	Mercedes-Benz®	EAP0268L70A
8.4						
8.2						
7.4				S-51	*Mercedes-Benz*	EAP0268L35A
7.2	K-20 K-25	Global OBD-II CAN *Chrysler*	EAP0234E45A EAP0268L15A	S-44	Volkswagen®	EAP0234E50A
6.4	K-24	Honda®	EAP0268L05A			
6.2	K-21 K-22	*General Motors* *Chrysler*	EAP0234E80A EAP0234E90A			
5.4						
5.2	K-19	CAN Protocol Vehicles	EAP0234E35A			
4.4	K-17	Ford®/*GM*/Toyota®/ *Nissan*/Mazda®/Hyundai®/ Kia®/*Mitsubishi*	EAP0234E25A			
4.2	K-16	*Ford*	EAP0257B00A			
4.1 and earlier	K-2A* K-5A K-7* K-9 K-12A K-13 K-14 K-15	OBD-II *Hyundai* *Mitsubishi* *General Motors* *General Motors* *Chrysler* *Nissan* *Mitsubishi*	MT50780202 MT50780507 MT50780701 MT50780901 MT50781202 MT50781301 MT50781401 MT50781501	S-4 S-7 S-17 S-20 S-21 S-27 S-28 S-33 S-34	*Mercedes-Benz* *Volkswagen/* BMW®/*Land Rover* *Mercedes-Benz* *Mercedes-Benz* *Mercedes-Benz* *Mercedes-Benz* *BMW/Land Rover* *Mercedes-Benz* *Mercedes-Benz*	MT2500S4 MT2500S7 MT2500S17 MT2500S20 MT2500S21 MT2500S27 MT2500S28 MT2500S33 MT2500S34

* Some Personality Keys may work with manufacturers other than shown in the chart. Always refer to the scan tool for the correct Personality Key. The scan tool will always prompt for the correct Personality Key after the VIN has been entered and the system selected.

WARNING
• Do not use in atmosphere with explosive vapor
• Read safety precautions on pages W1 to W4

Important Words
About Safety
for Users and Bystanders

Following these basic safety rules is a good start toward protecting yourself — and others in the vicinity — from injury while using tools.

Wear safety goggles
Use the right tool
Use the tool properly
Maintain the tool regularly
Keep tools away from children
Do not use tools on live electrical circuits unless specifically designed for such use
Read and follow instructions

* **THIS SYMBOL INDICATES PROHIBITED ACTION**


DO NOT OVER-TORQUE NO PIPES OR LEVER EXTENSIONS


NO HAMMERING


NO PRYING


DO NOT STRIKE HARD OBJECTS


NO IMPACT/POWER DRIVE


DO NOT STEP IN OR ON DRAWERS


DO NOT OPEN MULTIPLE DRAWERS


DO NOT PULL TO MOVE


KEEP CHILDREN AWAY

* **THIS SYMBOL INDICATES MANDATORY ACTION**

* **MUST READ INSTRUCTIONS BEFORE USE**

* **MANDATORY EAR PROTECTION**

* **MANDATORY EYE PROTECTION**

* **MANDATORY PROTECTIVE GLOVES**

* **MANDATORY PROTECTIVE CLOTHING**

* **MANDATORY FACE SHIELD**

* **MANDATORY HEAD PROTECTION**

* **MANDATORY MASK**

* **MANDATORY RESPIRATOR**

* **WARNING**

THIS SYMBOL INDICATES A HAZARD ALERT, GENERAL WARNING SIGN

* **RISK OF EXPLOSION**

* **RISK OF ELECTRIC SHOCK**

* **RISK OF FIRE**

RISK OF ENTANGLEMENT

VIBRATION HAZARD

OVERHEAD/OVERLOAD HAZARD

*These symbols are excerpted from ISO 7010: 2011 with the permission of ANSI on behalf of ISO.
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Safety messages in this catalog use the guidelines of the American National Standard ANSI Z535.4 for Product Safety Signs and Labels and ANSI Z535.3 Criteria for Safety Symbols. Messages associated with specific products use a triangular hazard alert symbol, signal word (CAUTION, WARNING, DANGER) and how to avoid the hazard. Each message refers to pages (W1 to W4) which provide additional safety symbols and three-part messages advising of:

- The hazard

How to avoid the hazard
The probable consequence of not avoiding the hazard

PLEASE READ AND FOLLOW these messages to avoid injury to yourself and bystanders.

Adaptors

⚠WARNING



• Adaptors can break from over-torque
Do not use with impact drivers.
Do not exceed the torque stamped on adaptor.
Broken adaptor can cause injury.

AVR Battery Testers

⚠WARNING



• Batteries produce explosive gases and can explode and ignite
Wear safety goggles (user and bystanders).
Keep flames and sparks away from batteries.
Battery explosion and Ignited gases can cause injury.

Battery Chargers, Testers (AVR), Portable Booster Packs

⚠WARNING



• Batteries produce explosive gases and can explode
Wear safety shield (user and bystanders).
Do not overcharge battery.
Keep flames and sparks away from batteries.
• Sparks occur when connecting or disconnecting leads while charger is ON
Charger must be OFF when connecting or disconnecting leads.
Do not allow leads on Booster Packs to contact each other.
Battery explosion or ignited gases can cause injury.

Blow Guns

⚠WARNING



• Blow guns create flying particles, noise and high velocity air
Wear safety shield or goggles (user and bystanders).
Wear mask if air is dusty (user and bystanders).
Wear hearing protection (user and bystanders).
Do not direct air at yourself or bystanders.
Keep out of reach of children.
VENTED: Do not use if air supply is above 135 psig. Do not obstruct vents.
NON-VENTED: Do not use if air supply is above 30 psig.
Flying particles, noise and high velocity air can cause injury.

Brake Tools

⚠WARNING



• Brake cylinder hones can fly apart if used outside cylinder
Wear safety goggles (user and bystanders).
Operate only while hone is within cylinder.
Flying parts can cause injury.

Butane Mini-Torches

⚠WARNING



• Butane can explode
Store at a temperature below 120 °F.
Dispose of butane in accordance with regulations.
Explosion or flames can cause injury.

Compressors

⚠WARNING



• Air compressors have electrical parts, moving parts and contain high pressure air that may be impure
Read and follow all instructions.
Do not use as an air supply for breathing.
Improper use or maintenance can cause shocks, entanglement or injury.
• Compressor systems contain air under pressure which can create a high pressure stream or ruptured vessel
Wear safety goggles (user and bystanders).
Relieve pressure before servicing.
Do not modify/repair/rework pressure vessel or change safety relief pressure setting.
A pressurized air stream or rupturing pressure vessel can cause injury.
• Moving components inside
Do not use without all guards in place.
Moving components can cause injury.
• High voltage will create an electrical shock
Disconnect all power before servicing.
High voltage can cause injury.

Cordless Tools

⚠WARNING



• Battery packs present a risk of fire, explosion and electric shock
Charge battery pack only with charger provided.
Do not store battery packs at temperatures above 120 °F (49 °C).
Do not discard used batteries; return them to a Snap-on® repair center for recycling.
Follow all safety messages in user's manual.
Fire or explosion or electric shock can cause injury.
• Sparks from electric motor can ignite an atmosphere containing flammable vapor
Do not use cordless tools in a volatile atmosphere
Fire and/or explosion can cause serious injury.

Diagnostic Equipment

⚠WARNING



• Use of diagnostic equipment on rotating engine poses risk of flying particles and entanglement
Wear safety goggles.
Use caution in routing cables.
Flying particles can cause injury.
Poorly routed cables and test leads can cause entanglement and injury.
• Use of diagnostic equipment can cause electrical shock, fire and explosion.
Use caution and proper procedures when connecting and disconnecting leads.
Diagnostic equipment must be located 18" or more above floor level.
Avoid sparks and other sources of ignition.
Electrical shock, flames and explosion can cause serious injury.
• Improper use can cause hazardous conditions
Read and follow all safety precautions accompanying the product.
Unexpected electrical, thermal or mechanical occurrences can cause injury.

Fuel System Tools

⚠WARNING



• Flammable liquid and fumes can ignite
Wear safety shield (user and bystanders).
Use only in well-ventilated areas.
Flames or explosion can cause injury.

Geared Head Torque Multipliers

⚠WARNING

• Use of gear head torque multipliers for torque control may result in inaccurate torque application
For accurate control of torque use an Electrotork®, a Torqometer® or other measuring device located directly on the fastener.
Limited accuracy of the torque ratio of a geared head torque multiplier may cause improper preload of the fastener if it is used for torque control.

Grinders, Grinding Wheels, Power Tool Accessories

(drill bits, wire brushes, grinding burrs, abrasive wheels, grinding wheels, valve grinders, valve grinding wheels)

⚠WARNING



• Grinding causes flying particles
• Power tool accessories can break
Wear safety goggles (user and bystanders).
Do not operate without eyeshields, guards and holders in place.
Do not use power tool accessories at speeds faster than their maximum rated RPM.
Do not use any accessory not specifically intended for use with a die grinder, with a die grinder.
Flying particles and broken tools can cause injury.
• Wire bristles can break and fly off
Wear safety goggles (user and bystanders).
Flying particles can cause injury.
• Force on the side of grinding wheels or discs can break them
Do not grind on the side of a grinding wheel or disc.
Broken grinding wheel or disc can cause injury.

Hammers
(See Striking and Struck Tools)

Hand Tools
Handles

⚠WARNING



• Handles can break if overloaded
Do not use "cheater bars" on handles.
Pull, do not push, on handles.
Broken handle or a fall can cause injury.

Sockets, Accessories

⚠WARNING

• Sockets and accessories can break if used with an impact wrench
Do not use chrome or industrial finish hand tools with impact drivers.
Broken sockets or accessories can cause injury.

Impact Wrenches

⚠WARNING



• Impact wrenches produce noise and vibration
Wear appropriate ear protection and gloves.
Extended exposure to noise and vibration can cause injury or impairment
• Impact wrenches can cause breakage of sockets or accessories
Wear safety goggles (user and bystanders).
Flying particles can cause injury.

Knives

⚠WARNING

- Blades are sharp and can cut
- Blades can break causing flying objects

Wear safety goggles (user and bystanders).
Do not pry or bend blade.
Keep away from children.
Sharp edges and flying objects can cause injury.

Leak Detectors

⚠WARNING

- Gases, fluids or accumulated fumes may explode or ignite

Do not expose fluids or fumes to flames, sparks or other sources of ignition.
Wear safety goggles or safety shield.
Use only in well-ventilated areas.
Explosion or flames can cause injury.
Fumes can cause breathing difficulty.

Lift Equipment Jacks, Jack Stands

⚠WARNING

- Vehicles supported by jacks or jack stands may fall if used improperly

Do not exceed rated capacity of jack or jack stand.
Do not work on vehicle supported by jack, use jack stands; use jack stands in pairs.
Use jack and jack stands only on hard level surface.
Lift and support vehicle only on its designated lift points.
Failure of jack or jack stand or falling of vehicle can cause serious injury or death.

Lifts, Hoists

⚠WARNING

- Vehicles supported on lifts or hoists may fall if lifts are improperly installed, used or maintained

Do not exceed rated capacity of the lift.
Lift must support vehicle only on its designated lift points.
Lifts must be installed by qualified installer.
Lifts must be inspected and maintained in accordance with user's manual.
Follow all instructions for proper use and all safety messages in user's manual.
Failure of the lift or vehicle falling off of lift due to use of improper lift points can cause serious injury or death.

Lighting

⚠WARNING

- Electrical shock can result from absence of grounding prong

Do not remove or bypass the grounding prong in any electrical plug.
Disconnect power before servicing.
Electrical shock can cause injury.

Pliers/Cutters

⚠WARNING

- Broken tips or cut material can fly

Wear safety goggles (user and bystanders).
Flying material can cause injury.

Power Tools

(impact wrenches, ratchets, hammers, sanders, grinders, cut-off tools)

⚠WARNING

- Power tools can cause flying particles

Wear safety goggles (user and bystanders).
Flying particles can cause injury.

- Power tools generate noise

Wear hearing protection (user and bystanders).
Prolonged exposure to noise can cause hearing loss.

- Power tools vibrate

Avoid prolonged exposure to vibration.
Prolonged exposure to vibration can cause injury.

- Improper use of power tools and accessories can cause broken tools

Do not use without all guards in place.
Use accessories rated at tool RPM or higher.
Read and follow instructions before using power tools.
Broken tools can cause injury.

Pressure Equipment and Pressure Gauges

(all equipment using pressurized air or hydraulic fluid such as tanks, spray guns and blow guns)

⚠WARNING

- Pressurized equipment, systems or tanks can break or leak

Do not exceed the maximum pressure rating of equipment. Wear safety goggles or shield and protective clothing appropriate to the fluid.
Pressurized fluid striking the body can cause personal injury. Flammable fluids such as gasoline, propane, etc. can ignite or explode and cause injury.

- Fluids can leak or escape

Use only in well-ventilated areas.
Breathing vapors or fluids from leaks can cause illness or injury.

- Pressurized air or fluid stream can propel dust or particles

Do not direct air or fluid stream at your body or at others.
Flying particles, air or fluid entering body can cause injury.

- **Improper use or maintenance of pressurized equipment can cause leaks or rupture**

Read and follow instructions.
Leaking of pressurized equipment can cause injury.

Prybars

⚠WARNING

- Prying can cause flying chips. Chipped or cracked prybars can cause flying chips
- Prybars can chip if struck

Wear safety goggles (user and bystanders).
Do not use pipe or lever extension.
Do not use a prybar if chipped or cracked.
Do not use a prybar as a punch or hammer.
Flying chips can cause injury.

Pullers, Presses

⚠WARNING

- Puller or press parts under stress can break

Wear safety goggles (user and bystanders).
Use the proper type and size puller or press.
Inspect the puller, do not use puller with worn or broken parts.
Screen the puller or press operation.
Broken parts can cause injury.

Punches/Chisels (See Striking and Struck Tools)

Ratchets

⚠WARNING

- Ratchet mechanism may slip or break if dirty or worn
- Mismatched or partially worn parts can cause ratchet to slip or break

Frequently inspect, clean and lubricate all non-sealed ratchet mechanisms with light oil.
Do not immerse sealed ratchet in fluids.
Do not replace worn parts individually, use entire contents of the service kit.
Ratchets that slip or break can cause injury.

Sanders

⚠WARNING

- Sanding disc or accessories can break if used above maximum rated RPM.

Do not use sanding discs or accessories above their maximum rated RPM.
Broken sanding disc or accessories can cause injury.

- Sanding produces particles and dust

Wear safety goggle or a safety shield.
Wear a dust mask or respirator.
Some dust created by sanding may contain chemicals known to produce cancer or other health conerns.

- Misuse of grinding wheels on sanders may result in wheel breakage.

Do not use grinding wheels on sanders.
Broken grinding wheels can cause serious injury.

Scrapers

⚠WARNING

- Scrapers and putty knives can break if used for prying or chiseling

Wear safety goggles (user and bystanders).
Do not use a scraper or putty knife as a prybar or chisel.
Broken tools can cause injury.

Screwdrivers

⚠WARNING

- Screwdrivers can break if used as prybar, chisel or punch

Wear safety goggles (user and bystanders).
Do not use a screwdriver as a prybar, chisel or punch.
Broken screwdriver can cause injury.

- Plastic screwdriver handles do not provide electrical insulation

Do not use on or near live electrical circuits.
Electrical shock can cause injury.

Socket Usage

Select the proper type of socket for the application.

- **Hand Sockets** – All chrome-plated sockets and black finished sockets identified as hand sockets are for hand use only
- **Power Sockets** – Sockets designed and intended for use with power nut runners; do not use with impact drivers
- **Impact Sockets** – Sockets designed for durability when used with impact drivers; use only impact sockets with impact drivers
- Flexible sockets can cause injury when used with impact or power drivers.

Do not hold flexible sockets or swivel joint tools during use.
Rotating socket can cause hand injury.

Sockets, Power

⚠WARNING



- Power sockets or accessories can break if used on impact drivers

Wear safety goggles (user and bystanders).
Do not use power sockets or accessories with impact drivers.
Broken tools can cause injury.
Wear safety goggles (user and bystanders).
Do not hold power sockets during use.
Rotating power tools can cause injury.

Striking and Struck Tools, Punches/Chisels

⚠WARNING



- Striking and struck tools can break or chip
- Chipped or mushroomed punch and chisel ends or metal weakened by improper grinding can fragment
- Oversized hammer can chip the punch or chisel

Wear safety goggles (user and bystanders).
Do not use punch or chisel having mushroomed ends; dress edges or mushroomed ends to original shape with a hand file.
Do not misuse a chisel as a punch.
Hammer head diameter should be approximately 3/8" larger than head of punch or chisel.
Flying objects can cause injury.



- Steel punches and chisels can cause sparks during use

Do not use near flammable substance.
Flammable substances can ignite causing injury.

Hammers

⚠WARNING



- Hammers can cause flying chips. Chipped, mushroomed or cracked hammers can cause flying chips
- Glancing blows can cause flying chips



- Striking hard surface can cause flying chips
- Body hammers can chip or break if struck against hard surfaces

Wear safety goggles (user and bystanders).
Do not use chipped, mushroomed or cracked hammers.
Strike squarely and avoid glancing blows.
Do not strike other hammers or similar hard surfaces.
Use body hammers only for striking automotive-type sheet metal; do not strike hard surfaces.
Flying chips can cause injury.



- Steel hammers can cause sparks during use

Do not use near flammable substance.
Flammable substances can ignite causing injury.

- COMPOTHANE® or urethane hammers can rupture or ignite if exposed to liquid oxygen

Do not use *COMPOTHANE* or urethane hammers near liquid oxygen.
Ruptured and/or ignited COMPOTHANE *or urethane can cause injury.*

Tire Changers

⚠WARNING



- Tires can explode

Wear safety goggles.
Do not over-pressurize tire.



Read and follow all safety precautions in user's manual
Exploding tire can cause serious injury.



Tool Storage Units

⚠WARNING



- Storage units can tip or strike you

Do not open more than one loaded drawer at a time.
Keep children away.



Close lid and lock drawers and doors before moving.
Apply brakes on locking casters when not moving unit.



Do not step in or on drawers.
Secure units together with fasteners.
Read and follow instruction manual
Tipping of storage unit or unit striking you can cause injury.



- Units edges can cut or pinch

Do not pull; push to move.
Wear gloves when lifting by edges.



Keep feet and fingers clear of edges when stacking, hanging or moving units.
Unit edges can cause injury.

Torque Sticks

⚠WARNING



- The actual torque delivered to a fastener by a torque stick or torque extension depends on proper usage.

Read and follow all instructions.



Check final torque with a torque wrench
Improper torque can cause fastener loosening or breakage resulting in injury.

Torque Testers

⚠WARNING



- Calibration weights can cause tester and its base to tip

Wear safety goggles (user and bystanders).



Counterbalance or anchor mounting base.
Tipping base can cause injury.

Torque Wrenches

⚠WARNING



- Overtorquing can cause breakage
- Wrench can break while breaking fasteners loose



- Force against flex stops on flex head torque wrenches can cause head breakage
- An out-of-calibration torque wrench can cause part or tool breakage



Wear safety goggles (user and bystanders).
Do not exceed rated torque.
Do not use a torque wrench to break fasteners loose.
Do not force head of flex head torque-wrenches against stops.
Periodic recalibration is necessary to maintain accuracy.
Broken tools can cause injury.

Welders, Cutters Electric, Plasma

⚠DANGER

- Electric welding or plasma cutting causes ultraviolet rays, localized magnetic fields, sparks, weld spatter and hazardous vapors and may cause electrical shock
- Bystanders will be exposed



Wear welding helmet with appropriate shade lens while welding or cutting.
Wear gloves and protective clothing.
Use only in well-ventilated area.



Do not allow bystanders in area while welding or cutting.
Do not operate this equipment if you have an implanted electromechanical device.
Never coil electrode/torch lead around your body.



Read and follow all safety precautions in instructions.
Ultraviolet rays will burn eyes, magnetic field may affect operation of medical devices. Weld spatter, electrical shock or sparks can cause burns or other injuries.

Gas, Welding and Plasma Cutting

⚠WARNING



- Welding and cutting produce heat, weld spatter and hazardous vapors

Wear gloves, face shield and protective clothing.
Use only in well-ventilated area.
Do not allow bystanders in immediate area.
Read and follow all safety precautions in instructions.
Byproducts of welding or cutting can cause burns or other bodily injuries.

Wheel Alignment Tools

⚠WARNING



- Suspension springs can slip out of engagement with spring compressors

Follow instruction and assure that spring is properly engaged with the compressor.
Wear safety goggles (user and bystanders).



- WA92 can break or disengage from spring if torqued over 30 lb ft

Do not torque WA92 over 30 lb-ft
Broken compressor or disengaged spring can cause injury.

Wrenches

⚠WARNING



- Excess force can cause crowfoot or flare nut wrench slippage

Do not over-torque; no pipes or "cheater bars."



Use only moderate force on crowfoot and flare nut wrenches.
Broken or slipping wrenches can cause injury.

- Slimline wrenches can break if overloaded

Wear safety goggles (user and bystanders).
Broken wrench jaw can cause injury.
- User can slip or fall if wrench breaks or fastener breaks loose

Pull, do not push, on wrench handle.
Injury can occur if user loses balance.

INDEX

1/8"

1/8" Square Drive Tools
General Service Sets.....124

1/4"

1/4" Square Drive Tools
Adaptors.....106, 109, 123, 128, 144
Bit Socket Sets..... 117–120, 131–135, 155–159, 180–181, 212
Bit Sockets..... 117–121, 131–135, 155–159, 180–181, 212
Breaker Bars 106, 127
Crowfoot Wrenches..... 258
Chrome, Sockets, Flank Drive® 110–115
Extensions 108–109, 121, 128
FOD Ratchets.....105
General Service Sets..... 124–126, 135–136
Handles 106–107
Hi-Lok® Ratchet 105
Impact Accessories..... 121
Impact Sockets, Flank Drive® 122
Impact Wrench, Air 470
Impact Wrench, Cordless..... 453
Power Accessories.....123
Power Sockets.....123–124
Ratchet Adaptors.....106
Ratchet Spinners 106, 127
Ratchets 103–105, 112, 127
Ratchets, Air 471–472
Ratchets, Cordless..... 454
Sockets, Blue-Point® 129–130
Sockets, Flip 117
Sockets, Low Profile 112–113, 115
Sockets, Special Application..... 116–117, 120, 123
Sockets, Spline® 116
Sockets, TORX® 114–115, 117–119, 130–131, 628
Torque Wrenches.....276–283
Torque, Drivers..... 285
Torque, Square Drive Heads 287
Universal Joints 109, 128, 145

3/8"

3/8" Square Drive Tools
Adaptors.....109, 142, 144–145, 154, 162, 168, 177
Bit Socket Sets, Blue-Point®..... 134–135, 180–181
Bit Sockets..... 117–120, 134–135, 155–160, 168, 179–181, 212
Breaker Bars 142, 178
Chrome, Sockets, Flank Drive® 146–150, 153
Crowfoot Wrenches..... 258–261
Extensions 143–144, 154, 162, 168, 176–177
FOD Ratchets..... 141
General Service Sets.....136, 170–175, 182–183
Handles 143, 176
Hi-Lok® Ratchet 142
Impact Accessories.....162
Impact Drivers and Sets 161
Impact Sockets, Flank Drive®..... 163–166
Impact Sockets, Swivel 165–166
Impact Wrench, Air 466–467, 469–470
Impact Wrench, Cordless..... 448–449, 453
Magnetic, Surface Drive Sockets..... 169
Power Accessories.....168
Ratchet Adaptors.....142
Ratchet Spinners 142, 176
Ratchets 138–142, 148–149, 175, 182
Ratchets, Air 464, 471–472
Ratchets, Cordless.....446, 454
Socket Inserts, Non-marring.....145
Sockets, Blue-Point® 178–183
Sockets, Flip 414, 645
Sockets, Low Profile 148–150
Sockets, Special Application..... 153–154, 156, 166–167
Sockets, Spline 152
Sockets, Surface Drive 169
Sockets, Swivel Ball.....154
Sockets, TORX® ... 150–151, 155–156
Sockets, Universal.....149–152
Torque Adaptors..... 154–155
Torque Wrenches.....276–283
Torque, Square Drive Heads 287
Universal Joints 109, 144–145, 162, 168, 177

1/2"

1/2" Square Drive Tools
Adaptors..... 109, 144, 187, 190, 195, 199
Bit Socket Sets, Blue-Point®..... 180–181, 211–212
Bit Sockets..... 134,–135,180–181, 195–198, 211–212
Breaker Bars 187–188, 210
Chrome, Sockets, Flank Drive® 191–194
Crowfoot Wrenches..... 261–262
Drive Handles..... 188
Extensions .. 189–190, 199, 205, 210
FOD Ratchets.....186
General Service Sets..208–209, 212
Impact Accessories.....199
Impact Drivers and Sets 198
Impact Sockets, Flank Drive®..... 200–204
Impact Wrench, Air 466–469
Impact Wrench, Cordless.. 447–449
Impact Wrench, Electric.....460
Power Accessories..... 205
Power Sockets..... 206–207
Ratchet Adaptors.....187
Ratchet Spinners 187
Ratchets 185–187, 210
Ratchets, Air 472
Sockets, Blue-Point® 211–212
Sockets, Flip 581–582
Sockets, Special Application ... 194, 204–205
Sockets, Spline 194, 407
Sockets, TORX® 193, 195, 206, 211–212
Surface Drive Sockets 207
Torque Adaptors.....195
Torque Wrenches..... 276–283, 583
Torque, Square Drive Heads 287
Universal Joints ... 109, 145, 190, 210

3/4"

3/4" Square Drive Tools
Adaptors..... 215, 217
Bit Sockets.....216–217
Chrome, Sockets, Flank Drive®... 215
Extensions 214, 217
General Service Sets.....221
Handles 214
Impact Accessories.....217
Impact Sockets, Flank Drive®..... 218–220
Impact Wrench, Air 466–467
Locking Rings and Pins 217
Ratchet Adaptors.....215
Ratchet Heads.....214
Sockets, Special Application 216
Sockets, Spline 216
Sockets, TORX® 220
Torque Adaptors.....419
Torque Wrenches.....276–283, 301
Torque, Square Drive Heads 287
Universal Joints 215, 217

1"

1" Square Drive Tools
Adaptors.....223–224
Breaker Bars 223
Drive Handles..... 223
Extensions 223–224
Handles 223
Impact Accessories..... 224
Impact Sockets, Flank Drive®..... 225–227

Impact Sockets, Oil and Gas 427
Impact Sockets, Railroad..... 428
Impact Wrench, Air 466–467
Locking Rings and Pins 224
Ratchet Heads 223
Sockets, Special Application 227
Sockets, Spline 223
Torque Wrench ...279, 281–283, 301
Universal Joints 224

1 1/2"

1 1/2" Square Drive Tools
Adaptors..... 228
Drive Handles..... 227
Extensions 228
Impact Sockets, Flank Drive®..... 228–230
Locking Rings and Pins 228, 230
Torque Wrenches..... 281–283, 301
Universal Joints 228

2 1/2"

2 1/2" Square Drive Tools
Impact Sockets, Flank Drive®..... 231–232
Locking Rings and Pins 230, 232

A

Abrasive Blast Cabinet 712–713
Abrasive Wheels 497–498
Abrasives 714
Accelerator Pedal Jack 591, 695
Accessories
Adaptor, Air Line..... 506
Adhesive Sticks 452
Air Hammer, Bits 500–502
Air Hammer, Chucks 475, 501
Air Hoses, Swivels 505
Air Ratchet 488
Air Saw 502–503
Couplers, Air 506
Diagnostic Smoke Machine..... 524–526
Diagnostic Storage ...763, 770–771, 774
Diesel Fuel Service..... 407, 416
Drill 488–496
ETHOS®..... 758, 763
ETHOS®+..... 744, 755, 763
Grinder 497–499
Impact Wrench, Vinyl Boots..... 488
Leak Detector 524–526, 622–623
MICROSCAN® III..... 765
MicroVAT™, D-TAC™ 610–611
MODIS™..... 758–761
MODIS™ Ultra 747, 756, 758–761, 763
Personality Keys.....775
Pocket iQ™ 771
Pro-Link® iQ™ 774
Pro-Link® Ultra 769–770
Sander 496
Scan Tool 758
Scope and Meter 513–514, 759–761
Screwdriver..... 323
Socket, Ratchet, 1/4" Drive..... 109, 127–128
Socket, Ratchet, 3/8" Drive..... 144–145, 176–177
Socket, Ratchet, 1/2" Drive..... 190, 210
Socket, Ratchet, 3/4" Drive 214–215
Socket, Ratchet, 1" Drive 223
Socket, Ratchet, 1 1/2" Drive 230
Socket, Ratchet, Spline..... 228
SOLUS™..... 758, 763
SOLUS™ Edge 746, 754, 758, 763
SOLUS PRO™ 758, 763
SOLUS Ultra® 754, 758, 763
Tire Changer..... 570, 573
Tool Storage...57, 59, 61–62, 68–98
Vantage PRO™ 759–761, 763
VANTAGE™ Ultra.. 745, 759–761, 763
VERDICT® 753, 758–761, 763
VERUS®..... 752, 758–761
VERUS® PRO..... 749, 751, 759–761, 763
Welding 554–556, 558
Wheel Balancer 569, 571
WorkStation 93–95
Accessory Box 95
ACR® Bits
Phillips® 315–317, 319, 321–322, 324, 326
Pozidriv®.....319, 324
Adaptor
1/4" Drive 106, 109, 123, 128, 144
3/8" Drive...109, 142, 144–145, 154, 162, 168, 177
1/2" Drive.... 109, 144, 187, 190, 195, 199
3/4" Drive 215, 217
1" Drive 223–224
1 1/2" Drive 228
#5 Spline Drive to Square 228
A/C..... 628
Air Line 506
Amp 513
Arbor 495, 497
Backprobe 515
Ball Joint 589
Banana Plug..... 514–516, 518, 521–522
Battery 517
Bearing, CJ Series..... 391–392
Bed of Nails 514, 517
Cable..... 759
Cap 524–525, 632–633
Compression 407–408, 412, 540
Cooling System 630–634
Data Cable 744, 746–747, 749, 751, 754, 756, 758, 770–771, 774
Diesel..... 407–408, 412, 540
Diesel Compression..... 540
ETHOS®..... 758
ETHOS®+..... 744, 755, 758
European Vehicle..... 744, 746–747, 749, 751–753, 755–756, 758
Extension.....162, 190, 199
Hand Wheel 401
Hex to Square..... 109, 117, 123, 145, 168, 321–323
Hydraulic Gauge Mounting 401
Ignition..... 745, 749, 751, 761
Internal Square 348
Intrusive Circuit Testing Adaptor..... 513, 517
Joint Rate Simulator.....294, 299
Locking.....162, 190, 199
Magnetic 109, 145, 322–323
MODIS™ Ultra 747
Multi-Ignition 761
Neck.....526, 630, 632–634
Nonconductive 348
OBD-I..... 744, 746–747, 749, 752–756, 758, 765
OBD-II.....758, 771
Oil Injector 628
Pneumatic..... 630
Power 123, 168, 205
Pressure 513, 542
Puller..... 391–393, 400–401, 403–406
Radiator..... 630, 632–633
Ratchet 106, 142, 187, 215
RPM..... 513
Scope and Meter 513–515, 517, 744–745, 747, 749, 751–756, 758–761, 765, 769–770
Set 109, 123, 144
SOLUS™ Edge 746
Split Lead 760
Square Drive 109, 144, 228
Temperature..... 514
Tire Changer.....571, 573
Torque 154–155, 195, 419
Trailer..... 523
Transducer..... 753, 759
Vacuum 524
VANTAGE™ Ultra.....745
VERUS® PRO..... 749
Voltage 513
Wheel Hub Removal.....595
Wrench, Ratcheting 238
Adaptor Sets
Cooling System 633–634
Extension.....109, 123, 144

Fuel Injection 416, 542–543
Torque 154, 195
Adhesive Gun 446, 452
Adjustable
Joint Pliers 334, 337, 345–346
Pin Spanner 274, 628
Pliers 334, 337, 345–346
Spanner Wrenches 274
Tap Socket 379, 381
Torque Driver 285
Torque Screwdriver 285
Torque Wrenches 276–286
Wrench 261, 272–274
Wrench, Crowfoot 261
Wrench, External Pipe 272
Wrench, Valve Persuader 427
Adjusting Wrenches, Carburetor ... 549
Advance Timing Lights 422, 535
A-Frame 400
Air Conditioning
Adaptor 628
Connectors 628
Hoses, R134a, R12 625
Leak Detectors 620–623
Manifold Gauges 624
Pulley Pullers 390, 394, 396, 413
Recycling, Recharging System, Hybrid 617
Recycling, Recharging System, R134a 617–618
Replacement Hose 625
Sales, Training Materials 619
Service Kits 624
Service Tools 627–628
Ultraviolet Flashlights 623
Valve 626–628
Air Movers 727
Air
Accessories 488–506
Adaptors, Couplers 506
Auxiliary Handle 473–474, 489
Blow Guns 504–505
Brush Kits 710
Brushing 710
Chisels, Punches 500–502
Chuck, Retainer 475, 501
Chucks, Tire 422, 578–579
Closed Chuck 578
Compressor 710, 718–719
Control Units 720
Crud Thug® 486
Cut Off Tool 478–479
Die Grinder 476–478
Drill 473–474
Filter 645, 709, 752
Finishing Tool 482–486
Grinder 480
Hammer 464, 475
Hammer Bits 500–502
Hose 505
Hose, Swivels 505
Impact Wrench 466–470
Impact Wrench Accessories 488, 502
Line Coupler, Adaptor 506
Lubricators, Air Line 301, 720
Micro Tools 485
Motor Oil 506
Motor, Torque Multiplier 293
Nibbler 481
Open Chuck 579
Polishers 484–485
Pressure Gauge 576–578
Processing Equipment 720
Ratchet 471–472
Ratchet Accessories 488, 502
Reciprocating Saw 480–481
Sander 482–484
Sander Accessories 496
Saw 465, 480–481
Saw Accessories 502–503
Shears 481
Solvent Gun 724
Swivel Connector 505
Tool Accessories 488–506
Tool Boots 488
Tool, Oil 506
Tools, Reference Charts 464–465
Vacuum 726
Valve 506, 709
Valves, Regulators 709
Alignment
Bar, Body 696
Headlamp 707
Wheel 589–593
Alligator Clip 514–517
Alternator Pulley Installer, Puller 394, 657
Aluminum
Screw Starter 317
Wrench 256, 272–273, 277
Amp
Adaptor 513, 760
Probe 513, 611, 745, 747, 749, 751, 756, 760
Analyzer
Carbon Monoxide 526
Gas 526–527
Timing Light 422, 535
Angle
Air Drill 474
Drill Kit 494
Gauge, Torque 284, 422
Grinder, Air 476–478, 480
Head Wrench 256
Locator 600, 678
Polisher 485
Antenna
Socket 706
Wrench 706
Anti-Camout Bits 315–317, 319, 321–322, 324–325
Anti-Fatigue Mats 96
Anti-Freeze Testers 631
Anti-Seize Compound 736
Anti-Vibration Gloves 733
Applications, OEM I26–I30
Apprentice Set 431–432
Arbor Adaptor, Hole Saw 495
Arbor Press 717
Arm Protectors 558
Auto Care
Buffing, Cleaning 95, 736
Automatic Center Punch 353
Automotive
Diesel Service Tools 284, 414–415, 422
Multimeters 511–512
Seat Covers 670
Tool Set Building 431–440
Auxiliary Handle 473, 489
Aviation/Aircraft
Drill Bits 494
Dzus® Screwdriver 311
Mastic Removal Tools 424–425, 705
Oil Can Opener 425
Ratchets, FOD 105, 141, 186
Ratchets, Hi-Lok® 105, 142, 427
Safety Wiring 423–424
Service Tools 113, 312, 315, 425–427
Snips 698
Socket Wrench 426
Sockets 118, 152, 194, 216, 223
Specialty Tools 154–155, 195, 424–427
AVR Testers 610–611
Awl 328–329
Axle
Nut Socket 584–585, 596
Puller 392–393, 594–595

B

Back Supports 740
Bag
Collapsible 71, 506
Tote 71, 506
Balancing, Wheel 569–571
Ball Bearing Drawer Slides 97
Ball Hex
Bit 320
Bit Socket 119–120, 157–159, 196
Wrench 266–267, 269–270
Ball Joint
Pickle Fork 590
Press 589
Press, Adaptors 589
Separators 590
Sockets 590
Ball Peen Hammer 354, 356
Band Dollies, Oil Container 652

Banners 619, 746–747, 749, 751, 754, 756, 757
Barring Socket, Engine 662
Bar-Type Pullers.....400, 403–405
Battery
- Adaptor 517
- Booster Cable.....613
- Booster Packs 612–613
- Cable Clamp Puller 614
- Carrier 615
- Charger..... 459, 462, 524, 530, 607–609
- Charger Cover..... 607
- Charger, Diagnostics 752
- Charger, Mobile..... 459, 462
- Clamp Puller 614
- Diagnostics.....752–754, 756, 770–771, 774
- D-TAC™.....610–611
- Fillers 615
- Hydrometer, Thermometer 615
- Lift, Hybrid..... 605
- Lithium 459, 461–462
- Maintainers 609
- MicroVAT™.....610–611
- MODIS™ Ultra 756
- Ni-Cad 459, 461–462
- Packs, Diagnostic Tools....752–754, 756, 771, 774
- Pliers.....614
- Pocket iQ™ 771
- Power Inverters 609, 612
- Pro-Link® iQ™ 774
- Pro-Link® Ultra 770
- Remote Solenoid Switch 614
- Service Kit 614
- SOLUS™ Edge 754
- SOLUS Ultra® 754
- System Tester..... 607–611
- Terminal Cleaners.....615
- Terminal Wrench.....614–615
- Testers.....610–611
- Tools 605, 607–615
- VERDICT® 753
- VERUS®.....752

Bead Breakers, Tire 572–573, 587
Bearing
- Driver Sets 668–669
- Packers.....651
- Press 600
- Race Drivers, Removers.... 668–669

Belt Sanders..... 484
Belt Tensioning Tools 412, 658–659
Bench
- Grinder Accessory 740
- Work.....717

Bendable Light 643
Bending Tools..... 368
Bit Sockets
- Ball Hex 119–120, 157–159, 196
- Clutch..... 121, 160
- Double Hex 158
- Flat Tip.....120, 133–134, 160, 198
- Hex, 1/4" Drive 119–120, 132–135
- Hex, 3/8" Drive... 157–159, 168, 179, 181
- Hex, 1/2" Drive 196, 207, 211–212
- Hex, 3/4" Drive.....216–217
- Hex, 1" Drive..... 224
- Holder 112–113, 315–316, 320–323, 325, 347
- Metric Hex.... 119, 132, 134–135, 157, 168, 179, 181, 196, 211–212, 216
- Mortorq® 120, 160
- Phillips® 121, 133–134, 160, 198
- Polydrive® Head Bolt.....198
- Pozidriv®..... 160, 180
- Screwdriver..... 120–121, 133–134, 160, 198
- Special Purpose, Application... 120, 156, 160, 198
- Stubby, 1/4" Drive 117, 119–120, 131–134
- Stubby, 3/8" Drive..... 157–158
- Stubby, 1/2" Drive 197
- TORX® Tamper-Resistant ... 118–119, 131, 134, 156, 179–180, 211–212
- TORX®, TORX Plus® 117–119, 123, 131, 135, 155–156, 168, 179, 181, 195, 206, 211–212, 216
- Triple Square..... 133, 159, 180, 197
- Universal 117, 119

Bits
- Drill 490–496
- Drill, Left Hand 493
- Holster 460
- Set, Power 321–322
- Set, Quick Change 460, 488

Blade
- Air Saw 502–503
- Demolition..... 503
- General Purpose..... 503
- Hacksaw 359
- Handsaw..... 359
- Holder 425
- Interchangeable Screwdriver..... 311
- Knife 360–362
- Metal Cutting 320, 359
- NYROC® 424–425
- Reciprocating.....502–503
- Reversible Screwdriver..... 311
- Sharpener, Pneumatic 425
- Sharpening..... 362
- Utility Knife..... 360–362
- Wood Cutting 359, 503

Blast
- Cabinets 712–713
- Gun 713–714

Blast Systems
- Abrasives.....714
- Accessories.....714
- Cabinet-Type Abrasive.....712–713
- Helmet, Hood.....714
- Portable Pressure 711
- Vacuum 713

Blind Hole Bearing Pullers ... 400, 406
Blind Rivet Kit..... 700
Blow Gun
- Non-vented 504
- Vented..... 505

Body
- Bumper Cover Painting Stand ... 705
- Dent Puller..... 452, 566–567, 696
- Dollies..... 698–699
- Door Tools..... 700–702
- Files 699
- Guard 38, 40, 78
- Hammers 697–698
- Jack Sets.....696
- Panel Alignment Bar 696
- Pull Rods 702
- Repair.....566–567, 696–707
- Rivet Kits 699–700
- Sanding Blocks, Pads 705
- Shears, Snips.....698
- Spoon..... 698–699
- Spot Weld Cutter 707
- Suction Cups..... 702
- Tools 566–567, 696–707
- Window Tools.....704–705

Bolt
- Covers, Caster 98
- Cutter 343–344, 346
- Extractor 383–386
- Socket 656, 662
- Thread Gauges 381–382, 681

Bolt-Grip Pullers 393
Bonnet Cleaning Tool 496
Booster
- Cables, Clamps 613
- Packs.....612–613

Boot Banding Tool..... 596
Boot, Air Tool.....488
Borescopes, Video 528–530
Bottle Jacks 602
Bottoming Tap Sets.....381
Box
- Aviation/“Dog Box” 63
- End Torque Wrench..... 287–289
- Metal Storage..... 70
- Plastic Storage 68–69
- Wrench Heads, Interchangeable Torque 287–289
- Wrench, Combination 234–238, 241–249
- Wrench, Heavy Duty, Striking, Slugging..... 263–264
- Wrench, High Performance, Spline..... 238, 249, 251–253
- Wrench, Offset 236–237, 240, 249–253, 264
- Wrench, Ratcheting ..234–241, 287, 615, 628, 658, 661, 703, 707

Wrench, Specialty.... 253–254, 536, 615, 628, 658, 661, 703, 707
Brake
Adjusting Tools 691
Bleeder Kits 542, 686–688
Bleeder Wrenches 694
Caliper Press..... 692–693
Cylinder Hones..... 695
Drum Gauge..... 690
General Service Sets..... 690
Lathes and Accessories..... 687
Parking Brake Tools 695
Pedal Jack..... 695
Pump Kits 542
Resetting Gauge..... 695
Service Tools..... 689–695
Slack Adjusters 419, 691
Socket 694
Software 769, 772–773
Spring Tools.....689, 693
Truck 693
Brake Bleeder Kits
Bleeder Adaptors.....688
Master Cylinder Pressure Cap ...688
Non-Diaphragm Type Brake Bleeder..... 688
Vacuum Type.....542, 686–687
Brake Lathes Accessories
Carbide Insert Bit Kits..... 687
Silencers 687
Brass Hammers 355–356
Breaker Bar
1/4" Drive 106, 127
3/8" Drive.....142, 178
1/2" Drive..... 187–188, 210
1" Drive..... 223
Nonconductive 348
British Standard Wrenches 248
Bronze Punches..... 352
Brush
Air 710
Battery 615
Battery Terminal 614–615
Diesel Injector.....408, 411, 413
Distributor Cleaning..... 551
Electrical..... 523
Fingernail 737
Injector.....408, 411, 413
Paint Gun Cleaning 711
Parts Cleaning..... 724
Specialty 738
Taillight Socket..... 523
Valve Guide..... 663
Wire 551, 615, 738
Budd Wheel Tools 587
Buffing Pads..... 736
Bumper Cover Paint Stand 705
Burr, Grinding..... 499
Bushing
Cutter 353
Driver Sets 668–669
Inserter, Remover Set 667
Puller.....392–393
Tools 500, 600, 667–669
Butane
Fuel Cans 561
Soldering..... 558–559
Soldering Torch 561
Butcher Block Tops..... 72

C

Cabinet
End.....20, 32–34, 48, 55
Flammables 711
Overhead.....20, 32
Prybar 93–94, 332
Roll, Classic Series 44–46
Roll, EPIQ Series..... 10–17
Roll, Heritage Series 50–52
Roll, Masters Series..... 24–29
Wall.....69
Wheel Weight.....571
Cable
Adaptor 759
Booster.....613
Clamp Pliers, Puller 614
Cutter 335, 344, 429
Cutter, Hydraulic 429
Data ... 744, 746–747, 749, 751, 754, 756, 758, 770–771, 774
Extension..... 754, 756, 758
Calibration Wheels, Arms 299
Calibrator, Torque 295–299
Caliper
Dial 676
Electronic Digital 676
US, Metric Dial Type..... 676
Vernier 676
Cam Belt Wrenches 661
Camber Adjusting Tools.....591
Camshaft
Bearing Remover, Inserter..... 663
Belt Tool 661
Holding Tool..... 654
Pulley Tool 653
Seal Installer.....598, 661, 663
Seal Puller 661–662
Cannon Plug Pliers..... 344
Cape Chisel 351–352
Car Starting Units 607–608, 609, 612–613
Carbide Burrs 499
Carbon Monoxide Analyzer..... 526
Carburetor
Adjusting Tools 549
Double “D” Tools..... 549
Idle Adjusting Tools 549
Screwdriver..... 549
Tools 549
Carts..... 57–60, 64–66, 564
Caster-Camber Tools 591
Casters.....98
C-Clamp
High Visibility.....565
Locking.....565
Medium Duty.....716
Pliers.....565
Valve Lifters 664
Welding 564
Center Punches.....353
Chain
Saw Files 364
Wrench 274
Charger
Battery 607–609, 751–754
Cordless Tools.. 459, 461–462, 524, 530
Diagnostics.....751–754
Pocket iQ™ 771
Pro-Link® iQ™ 774
Pro-Link® Ultra 770
SOLUS™ Edge 754
SOLUS Ultra® 754
VERDICT® 753
VERUS®.....752
VERUS® PRO..... 751
Charging
Manifolds, A/C 624
Service Center, A/C..... 617–618
Starting, Tester, Battery ... 607–609
System Analyzers, Battery..... 607–609
Chasers
Circuit..... 523
Thread 375–376
Chests
Mobile 62–63
Road.....61–62
Top.....18, 30–31, 47, 52–54
Chipping Hammer..... 564
Chisel
Punch Holder, and 351
Punch Set, and 351–353
Punch, Air Hammer, and....500–502
Demolition 331
Gauge..... 351
Soft Grip 353
Chuck
Air 422, 578–579
Air Drill 489
Air Hammer.....475, 501
Impact Wrench, Quick Change..... 447–449, 453, 456
Keyless..... 474
Quick Change 447–449, 453, 456
Tire.....422, 578–579
Circuit
Chaser..... 523
Test Lights 518–523, 628
Tester 518–523, 628
Testing Adaptor.....515, 517
Clamping Pliers 565

Classic Series
Accessories, “Add-ons”..... 47–48
End Cabinet 48
Locker 48
Reference Chart..... 6, 44
Roll Cab 44–46
Top Chest..... 47
WorkStation Riser..... 48
Claw Hammer 355
Cleaner
Auto 736
Diagnostic 95
Diesel..... 416, 644
Dirt, Stain 727
Engine 644
File 364
Fuel 543, 644
Hand 736–737
Parts 722–725
Plastics..... 95
Pressure 725–726
Supplies 95, 724, 736–737
Tool Storage..... 95
Click-Type Torque Wrenches
QC Series..... 286
QD Series.....279–280, 286
TQ Series 280–281
Clip, Alligator 514–517
Close Quarter Bars..... 332
Clutch
Aligner Sets 600
Bit Socket 121, 160
Driver 121, 160
Hex Shank Bits 324
Remover 626
Service Tool Sets, A/C..... 626
Tools 600, 626
Wrench 409, 411, 415
Code Readers, OBD-II ...744, 746–749, 752, 765, 771
Coil-on-Plug Probe 534
Coil Spring Compressor 593
Collision Repair 566–567, 696–698
Combination
Lock 95
Pliers.....337, 345
Storage Units 10–55
Wrench 234–237, 241–249
Wrench, Flex Head 237, 248
Wrench, Open End, Ratcheting Box..... 234–237
Wrench, T and L-Shape..... 266–267
Combustible Gas Detectors..... 526
Come-Along Lifting Tool..... 605
Compact Meters.....511–512
Comparator, Torque 300
Composite Tools, Nonconductive 347–349
Compound Leverage
Cutters.....335
Pliers..... 335, 337
Snips.....698
Compression
Adaptor 407–408, 412, 540, 653
Gauge Set.....538–539
Gauge, Diesel..... 539
Gauge, Motorcycle.....422, 538
Glow Plug Adaptors 412, 540
Computer
Memory Savers 536
Torque Testers..... 294, 296–297
Connector
A/C..... 627
Extension.....109, 144
Pliers.....343–344, 426
Swivel..... 505
Constant Velocity Tools..... 596–597
Continuity Tester.....518–523, 628
Coolant
System Tools..... 630–636
Testers.....631–634
Corbin Hose Clamp Pliers 635
Cordless
Adhesive Gun 452
Batteries, Snap-on® 459
Chargers, Snap-on® 459
Cut-Off Tool..... 452
Dent Pulling Kit 452
Drill, 14.4V 445, 455
Drill, 18V.....445, 450
Driver 453, 456
Lighting 457, 638–639
Grease Gun 451
Grinder.....446, 452
Impact Wrench, 9.6V..... 456
Impact Wrench, 14.4V 453
Impact Wrench, 18V 447–449
International Product.....461–462
Kits, 14.4V.....455
Memory Saver/Power Inverter .. 458
Power Bit Kits..... 488–489
Power Inverter/Memory Saver .. 458
Ratchet..... 454
Reciprocating Saw.....451, 454
Reference Chart..... 445–446
Screwdriver..... 453, 456
Screwdriver, Accessories 460
Soldering..... 558–559
Tool Kits..... 450
USB Power Units..... 458
Utility Lights 641
Work Light 457
Cotter Pin Puller.....588, 636
Coupler
Air Line 506
Quick Change.....321–323, 488
Removal Tool..... 634
Spring Lock.....546, 628
Cover
A/C Service Center.....619
Battery Charger 607–608
Fender 670
Motorcycle Gas Tank 421, 670
Seat, Automotive..... 670
Smoke Machine..... 524
Tool Storage Unit, Combinations 74–75
Tool Storage Unit, Road Chests.. 61, 75
Tool Storage Unit, Roll Carts 75
Tool Storage Unit, TUV 37–40
Crankshaft Pulley Tool 390, 408
Creepers
Accessories..... 673
Hanger 94, 673
Heavy Duty..... 672
Seat 673
Specialty 671–672
Standard.....671
Crimping Tools..... 343–344, 625
Cross Peen Hammers 356, 697
Crowfoot Wrench
1/4" Drive 258
3/8" Drive..... 258–261
1/2" Drive..... 261–262
Holder 261
Ratcheting 261
Crud Removal Tool 486
Crud Thug® 486
Cummins®, Diesel Tools for
Bit Socket, TORX® 119, 156
Compression..... 540
Diagnostics..... 770, 774
Feeler Gauges 679
Service Tools..... 218–220, 390, 407–409, 414, 416, 417–418, 648
Tool Sets..... 407–409, 645
Cut Off
Tool, Air 478–479
Wheels 452, 478–479, 498
Cutter
Air..... 465, 478–481
Bolt 343–344, 346
Bushing.....353
Bushing, Air Hammer..... 500
Cable.....335, 344, 429
Cable, Hydraulic 429
Chain Pipe 367, 591
Diagonal..... 334–335, 345–346
Electronic Service..... 342
High Leverage 335, 588
Miniature.....345–346
Multi-Purpose 360
Pliers.....334–337, 342, 345–346
Pruner, Hand..... 360
Ratcheting 368
Set 334, 345–346
Sheet Metal 698
Special Purpose, Application.....335
Tail Pipe.....367, 591
Tube 368
Wheels 452, 478–479, 498
Wire 343–344, 423

Cylinder
Bore Gauges 665
Compression Gauges 538–539
Head Tools 656, 663–665
Hones..... 695
Leakage Tester 541
Ridge Reamers 665
Service Tools..... 656, 663–665

D

Dana®, Axle Nut Sockets for ..584–585
Dead Blow
Hammers 354, 356, 666
Hammers, Piston.....354, 666
De-Burring Tools 496
Decal, Tool Storage 84
Decimal Conversion Chart..... 680, G5
Deep Well Thread Chasers 376
Degreasers..... 724
Dent Pullers
Body..... 452, 566–567, 696
Stud Gun 566
Detail Gun 708
Detailing
Buffing, Cleaning..... 95, 484, 496, 735–736
Detector
Gas..... 524–525
Leak 620–622, 631, 656, 705
Detroit Diesel®, for
Hand Tools..... 169, 197, 218, 220, 410–412, 417–418, 635, 658
Impact Sockets.....169, 218, 220, 417–418
iQ™ Software, Diagnostics..... 772
Diagnostic Equipment
Cleaning Supplies 95
Data Bus Fault Finder 521
Docking Station.....749, 751, 753
ETHOS®, Accessories 758, 763
ETHOS®, Storage 763
ETHOS®+, Accessories744, 755, 763
ETHOS®+, Scan Tool..... 744, 750
ETHOS®+, Storage 763
Foam Organizers 745, 747, 749, 751, 756, 763, 770, 774
Keys, Personality.....775
MICROSCAN® III, Accessories ... 765
MicroVAT™, D-TAC™, Accessories ... 610–611
MODIS™, Accessories..... 758–761
MODIS™ Ultra, Accessories.....747, 756, 758–761, 763
MODIS™ Ultra, Scan Tool 747, 750
MODIS™ Ultra, Storage..... 763
OBD-II Scan Tools 744, 746–749, 765–766, 771
PASS THRU PRO II 764
Personality Keys.....775
Pocket iQ™ 771
Pocket iQ™, Accessories 771
Pocket iQ™, Storage 771
Pro-Link® iQ™, Accessories 774
Pro-Link® iQ™, Storage 774
Pro-Link® Ultra, Accessories..... 769–770
Pro-Link® Ultra, Scan Tool..767–768
Pro-Link® Ultra, Storage 770
Reference Chart..... 750
Screen Guards, Protectors, Skins ... 754–756
Software 764, 769, 772–773
SOLUS™, Accessories..... 758, 763
SOLUS™ Edge, Accessories..... 746, 754, 758, 763
SOLUS™ Edge, Scan Tool ... 746, 750
SOLUS™ Edge, Storage..... 763
SOLUS PRO®, Accessories 758, 763
SOLUS PRO®, Storage 763
SOLUS Ultra®, Accessories 754, 758, 763
SOLUS Ultra®, Storage 763
Storage..... 763, 770–771, 774
Training, Service Banners..... 619, 746–747, 749, 751, 754, 756, 757
Vantage PRO™, Accessories..... 759–761, 763
Vantage PRO™, Storage 763
VANTAGE™ Ultra, Accessories... 745, 759–761, 763
VANTAGE™ Ultra, Scan Tool 745, 750
VANTAGE™ Ultra, Storage..... 763
VERDICT®, Accessories..... 753, 758–761, 763
VERDICT®, Scan Tool 748, 750
VERDICT®, Storage..... 763
VERUS®, Accessories 752, 758–761
VERUS® PRO, Accessories 749, 751, 759–761, 763
VERUS® PRO, Scan Tool..... 749–750
VERUS® PRO, Storage 763
Diagonal Cutter..... 334–335, 345–346
Dial Gauges, Diesel..... 407
Dial Test Indicators..... 677
Diamond Point Chisels 351
Diamond Tip
Bits 320, 325
Screwdrivers 306
Die
Grinders, Air 465, 476–478
Sets..... 377–379
Setter Bars..... 332
Dies and Taps
Self Aligning 380
Thread Restoring 374–376
Threading 377–379
Diesel
Audi®..... 414–416
Automotive 414–415
BMW®.....414, 416
Caterpillar®..... 218, 220, 412, 417–418
Cleaning Tools.....416
Compression Adaptors....407–408, 412, 539–540
Compression Gauge..... 539
Cummins®, for....119, 156, 218–220, 390, 407–409, 414, 416–418
Detroit®, for 169, 197, 218, 220, 410–412, 417–418
Duramax®, for 200, 414–416
Engine Detergent.....416
Ford®, Navistar®, for 409, 412–414, 418
Fuel Service 407, 416, 644
Injector Tools 119, 158, 407–411, 414–416, 418, 422
International®, for 203, 220, 411, 417–418, 540, 586, 590, 632, 635, 693, 769, 772–773
Isuzu®, for..... 416, 769, 773
Mack®, for.....418
Mercedes®, for ... 415–416, 418–419
Navistar®, for 409, 412–414, 418, 769, 772–773
Pinion Nut Sockets 596
Pulse Adaptor 413, 534
Pump Adjusting Tools 119, 156, 409
Service Tools.....405–416
Software, Diagnostics..... 769, 772–773
Timing Gauge..... 407
Timing Meter..... 413, 534
Tools 405–416
Turbo Tools, for 413
Volkswagen®, for.....414
Volvo®, for 117, 154, 156, 414, 418
Differential Side Bearing Puller 390
Differential Wrench 595–596
Digital
Battery Charger 607–608
Battery System Tester 610
Booster Packs 612
Borescope 528–530
Caliper..... 676
Circuit Tester..... 519–520
Drum Gauge..... 690
Gas Analyzer 526–527, 762
Imager, Dual View.....528–530
Leak Detector 620
Manifold Gauge..... 624
Meter..... 511–512, 744–750, 765, 767–768, 771
Micrometer 674
Multimeter..... 511–512, 610

Multimeter, Accessories.....513–514
Multimeter, Test Leads.....514–517
Rotor Gauge.....690
Smoke Machine.....524–525
Tachometer.....407, 534–535
Test Light.....519–520
Thermometer.....627
Timing Light.....535
Tire Pressure Gauge.....576
Videoscope.....528–529
Volt-Ohm Meter.....748–749
Dirt, Stain Extractor.....727
Disc Brake
Caliper.....690
Gauges.....677, 690
Lathe, Accessories.....687
Micrometers.....690
Runout Gauges.....677
Tools.....692–693
Disconnect Tools
Cooling Systems.....628, 630
Driveline.....598, 600
Electrical.....536–537
Fuel Systems.....544–547
Discs, Grinding.....452, 480, 496–498
Distributor Tools.....550–551
Dividers, Drawer.....91–93
Dollies
Body.....698–699
Hydraulic Wheel.....603
Door Tools.....700–703
Double End
Drill Bits.....494
Pick.....329
Wrench.....257
Double Hex
Bit Socket.....158, 196
Driver.....158, 196
Double Square
Bit.....324
Socket, 3/8" Drive.....153
Socket, 1/2" Drive.....194, 206
Socket, 1" Drive.....227
Double “D” Tools, Carburetor.....549
Dowel Pin Puller.....388
Drag Link Sockets
Socket, 3/8" Drive.....153
Socket, 1/2" Drive.....194
Socket, 3/4" Drive.....216
Drain
Plug Sockets.....599, 630
Tables, Transmission.....652
Valve, Regulators.....720
Drawer
Ball Bearing Slides.....97
Detent Kits.....97
Divider, Insert.....91–93
EPIQ Series Sections.....19
Front.....78–79, 81
Guard.....76–79, 81
Heritage Series Sections.....54
Latches/Slides.....97
Liner.....88
Parts Trays.....93
Storage, Cabinet.....68–70
Drift Pin Punches.....500–502
Drill
Accessories.....489–496
Air.....464, 473–474
Angle.....474, 494
Bit, 90° Angle.....494
Bit, Aircraft Length.....494
Bit, Double Ended.....494
Bit, Reduced Shank.....494
Bit, Set.....490–495
Bit, Set, Extractors.....385
Bit, Set, Left Hand.....493
Bit, Set, Specialized.....493–495
Bit, Set, Step.....495
Bit, Set, Tap and Die.....377
Boot.....488
Chuck.....489
Cordless, 14.4V.....445, 455
Cordless, 18V.....445, 450
Cordless, Kits, 14.4V.....455
Guides.....383, 385
Hammer.....450
Index.....490–493
Micro, Air.....474
Micro, Utility.....496
Pilot.....495
Reversible.....473–474
Right Angle.....474, 494
Spotweld.....473
Step, Bit.....495
Drive Line Tools.....595–600
Drive Shaft
Magnetic Angle Locator.....600, 678
Universal Joint Tools.....600
Driver
Adjusting Head.....549
Bushing.....667–669
Clutch.....121, 160
Double Hex.....158, 196
Flexible, 1/4" Drive.....107
Flexible, Carburetor.....549
Handled, 1/4" Drive.....106–107, 128
Handled, 3/8" Drive.....143, 176
Hex, Bit.....132–133
Hex, Front Wheel Drive Service.....597
Impact.....161, 198
Limiting.....284–285
Nut.....107, 311, 318, 323, 349
Nut, Trim.....702
Ratcheting.....107
Seal.....669
Set, Bushing and Seal.....669
Set, Impact.....161, 198
Socket.....120, 155–156, 458–159, 196, 198, 408, 420
Square Drive 106–107, 128, 143, 176
Torque.....285
Tray.....85–87
Triple Square, Bit Sockets.....133, 159,180, 197
Triple Square, Bits.....133, 180
Drop Cords.....643
Drum Plug Socket.....205, 652
D-TAC™ Battery System
Diagnostic Tester.....610
Tester Accessories.....611
Dual
Action Sander.....483
Dual 80® Ratchets.....103–105, 138–142, 185–186,
Face Hammer.....355
Duck Bill Pliers.....336
Dust Cap Tool.....588, 591
Dzus®, Screwdriver for.....311

E

Ear Protection.....729, 731
Electric Tools
Engraver.....460
Impact Wrench.....460
Polishers.....460
Electronic
Battery Tester.....610–611
Stethoscopes.....530–531
Terminal Tools.....537
Torque Meter.....295
Torque Tester.....294–299
Torque Wrenches.....293
Electronic Service
Cutter.....342
Pliers.....341
Screwdriver, Miniature, Mini-Tip.....308–309
Screwdriver, Nonconductive, Composite.....347
Soldering.....558–561
Tools, E-Series Pliers/Cutters.....341–342
Tools, Nonconductive, Composite.....347–349
Tweezers.....561
Emergency Brake Tools.....695
End Cabinet
Classic Series.....48
EPIQ Series.....20
Heritage Series.....55
Masters Series.....32–34
End Cutters.....345
Engine
Alternator Tools.....657
Belt Tensioning.....658–659
Brake Tools, for Jacobs®.....408

Calibration and Setup Kit 653
Cam Tools ..598, 653–654, 661, 663
Cleaners 644
Cooling System 630–636
Cylinder Head..... 656, 663–665
Cylinder Service Tools..... 665
Drain Plugs 645, 655
Fuel System.....542–551
Hanger 605
Harmonic Balancer 660
Hood Prop.....661
Lift Plate 605
Oil Pressure, Oil Pump 655
Piston Service Tools..... 665–666
Power Steering, Alternator, Water Pump..... 657
Service Tools..... 653–666
Sling 605
Socket 408, 427
Specialty Tools 661
Thermal Vacuum Switch 662
Timing 422, 535, 653–654,
Turning Tool 407, 409
Valve Service Tools 662–665
Engineer Style Hammers 356
Engraver.....460, 506
Engraving Pen, Tip 460, 506
EPIQ Series
Accessories, “Add-ons”.....18–20
Drawer Sections 19
End Cabinet 19
Locker 20
Overhead Cabinet..... 20
PowerBank™ Unit..... 12–14
Reference Chart..... 6, 10–11
Roll Cab 10–17
Roll Cart..... 57
Top Chest..... 18
WorkCenter 20
Etching, Engraving Tools.....460, 506
ETHOS® 758, 763
ETHOS®+ 744, 750, 755, 763
EVAP 524–525
Exhaust
Pipe Cutters 367, 591
Probe.....527
Tailpipe Stretcher 367
Tools, Air Hammer Bits.....500–502
Tools, Cutters, Expanders, Specialty 367, 591
Expander..... 367
Extension
1/4" Drive 108–109, 121, 128
3/8" Drive.. 143–144, 154, 162, 168, 176–177
3/8" Drive, Nonconductive 348
1/2" Drive.... 189–190, 199, 205, 210
1/2" Drive, Nonconductive..... 348
3/4" Drive 214, 217
1" Drive 223–224
1 1/2" Drive 228
Adaptor, 1/4" Drive 109, 123, 128
Adaptor, 3/8" Drive .. 109, 144–145, 162, 168, 177
Adaptor, 1/2" Drive ... 109, 144, 190, 199, 205
Adaptor, 3/4" Drive 215, 217
Adaptor, 1" Drive 223–224
Adaptor, 1 1/2–2 1/2" Drive 228
Adaptor, Spline to Square 228
Connectors, 1/4" Drive 109
Connectors, 3/8" Drive 144
Cords..... 643
Data Cable 758–759
Flexible, 1/4" Drive 108, 128
Flexible, 3/8" Drive.....177
Impact, 1/4" Drive 121
Impact, 3/8" Drive 162
Impact, 1/2" Drive.....199
Impact, 3/4" Drive 217
Impact, 1" Drive 224
Impact, 1 1/2" Drive 228
Knurled, 1/4" Drive 108, 121, 128
Knurled, 3/8" Drive... 143–144, 162, 176
Knurled, 1/2" Drive ... 189–190, 199, 210
Locking, 1/4" Drive 108, 121, 128
Locking, 3/8" Drive... 143–144, 162, 168, 177
Locking, 1/2" Drive ... 189–190, 199, 210
Nonconductive 348
Power, 3/8" Drive 168
Power, 1/2" Drive..... 205
Probe.....514
Quick Release 143, 189
Repair Kit.....143, 189
Set, 1/4" Drive..... 108, 121, 128
Set, 3/8" Drive 143–144, 162, 177
Set, 1/2" Drive.... 189–190, 199, 210
Sockets, Flexible 154, 371
Sockets, Swivel Ball.....154
Swivel.....154, 162
Wobble, Wobble Plus, 1/4" Dr. 108
Wobble, Wobble Plus, 3/8" Dr. ..144
Wobble, Wobble Plus, 1/2" Dr. 189
Extra-Long Screwdrivers
Flat.....303, 305
Phillips® 303, 306
Set 303
Extractor
Fastener, Power..... 384
Pipe Plug 386
Porcelain 370
Repair Kit, Porcelain 370
Set 383–386
Spark Plug 370
Tools 383–386
Eye Protection
Face Protectors.....721
Goggles, Glasses..... 621, 628, 731
Shield Replacement..... 729
Welding, Helmets 562–563
Welding, Lenses 564

F

Face Protector.....721
Fan
Clutch Wrench 634–635
Clutch Wrench, Diesel 409, 411, 415
Shop 727
Wrench 409, 411, 415
Feeler Gauges
Bent and Step Blades 407, 411, 679–681
Blades and Holder 681
Diesel.....407, 411, 679
General Use 679
Ignition..... 679
Non-Magnetic 680
Specialty 680
Fender Covers..... 670
File
Body..... 699
Comfort Handle 363
Flexible Curved Tooth..... 699
General..... 364
Handles 364, 699
Instinct® 363
Miniature 363
Nib 699
Spark Plug 371
Swiss Needle 364
Thread Restorer.....375
Fillers
Battery 615
Oil 648–649
Filter
A/C.....619
Air Processing 720
Air, Paint Spray 709
Air, VERUS® Diagnostics.....752
Blast System 714
Crusher..... 645
Dryer 619
Fuel 544
Gas Analyzer 762
Parts Washer..... 722
Pneumatic Tool.....301
Respirator.....731
Socket 412, 414, 645
Vacuum 727
VERUS®.....752
Wrench 425, 647
Fingers, Mechanical 683
Fingertip Ratchets..... 104, 106, 127, 142, 176, 187

Fin Straightener, Cleaner 628
Firing Indicator, Spark Plug..... 371
Flammables, Storage Cabinet 711
Flank Drive®, Flank Drive® Plus
  Nut Driver 349
  Socket, 1/4" Drive.....110–115, 122
  Socket, 3/8" Drive 146–150, 163–166
  Socket, 1/2" Drive.....191–194, 200–204
  Socket, 3/4" Drive 215, 218–220
  Socket, 1" Drive 225–227
  Socket, 1 1/2" Drive 228–230
  Socket, 2 1/2" Drive 231–232
  Socket, Axle Nut..... 584–585, 596
  Socket, Fuel Pressure Sensor .. 412, 544
  Socket, High Performance..... 115
  Socket, Spark Plug 371–373
  Wrench, Adjustable 272
  Wrench, Brake Bleeder 694
  Wrench, Combination 234–235, 241–248
  Wrench, Combination Ratcheting Box.....234–235
  Wrench, Flare Nut 257
  Wrench, Flare Nut, Crowfoot, 1/4" Drive 258
  Wrench, Flare Nut, Crowfoot, 3/8" Drive 258–261
  Wrench, Flare Nut, Crowfoot, 1/2" Drive 261–262
  Wrench, Flex Head 248
  Wrench, Heavy Duty..... 263–264
  Wrench, High Performance.....238, 251–252
  Wrench, Offset Box.....249–252
  Wrench, Oxygen Sensor 548
  Wrench, Pan Plug 645
  Wrench, Specialty Box 253–254
Flap Wheels and Discs..... 496–498
Flare Nut
  Socket.....153
  Torque Wrench 291–292
  Wrench 257–258, 260, 262, 291–292
  Wrench, Flare Nut, Crowfoot, 1/4" Drive 258
  Wrench, Flare Nut, Crowfoot, 3/8" Drive 260
  Wrench, Flare Nut, Crowfoot, 1/2" Drive 262
  Wrench, Fuel Line 409
Flaring Tools, Tubing 368–369
Flashlights
  Cordless 457
  High-Output LED..... 638
  Holders..... 638–639
  Non-Rechargeable 638–639
  Penlight LED..... 638–639
  Rechargeable 638–639
  Rotating..... 639
  UV Leak Detection..... 623
Flat Chisels..... 351
Flat Tip
  Bit 120, 133–134, 160, 198
  Screwdriver, Electronic Service 308–309
  Screwdriver, Hard Handle..304–305
  Screwdriver, Nonconductive..... 347
  Screwdriver, Pocket, Spark Test 306
  Screwdriver, Ratcheting 314–317
  Screwdriver, Soft Handle..303, 305, 307–308
  Screwdriver, Special Application 311–313
Flex Head
  Ratchet, 1/4" Drive 103–105
  Ratchet, 3/8" Drive..... 138–140
  Ratchet, 1/2" Drive 185–186
  Ratchet, Pass Thru.....182
  Ratchet, Quick Release 104, 140, 186
  Speeder..... 188
  Torque Wrench 278, 280–281
  Wrench, Combination 237, 248
  Wrench, Ratcheting Box..... 237, 241
Flexible
  Carburetor Tools..... 549
  Claws 683
  Distributor Tools.....550–551
  Drivers, 1/4" Drive 107, 551
  Drivers, Carburetor Adjust. 549
  Extensions, 1/4" Drive.....108
  Extensions, 3/8" Drive 177
  File Holder 699
  Files 699
  Fingers 683
  Lights 83, 643
  Neck MIG Torch 554
  Pick-up Tools..... 683–684
  Shank (Screwdriver)..... 315
Flip Socket
  1/4" Drive 117
  3/8" Drive..... 414, 645
  1/2" Drive..... 581–582
  Filter..... 414, 645
  Lug Nut..... 581–582
  Thinwall.....581
Floor Jacks.....601–602
Floor Mats 96
Fluid Maintenance
  Fluid Evacuators 644
  Fuel System Maintenance...542–551
  Transfer Pumps 644
Flush Gun..... 628
Flywheel Tools
  Locking Tool.....415
  Turning Tool 600
Foam, Diagnostic Storage.....745, 747, 749, 751, 756, 763, 770, 774
FOD Ratchets
  1/4" Drive 105
  3/8" Drive..... 141
  1/2" Drive.....186
Folding
  Saw, Pruning..... 360
  Scissors..... 358
  Shelf 59, 94
  Wrench Sets..... 268–269
Ford® Navistar®, Diesel for
  Service Kits..... 407
  Tools 409, 412–414, 418
Fork, Pickle..... 590
Four-Way Angle Head, Wrenches .. 256
Freeze Plug Tools 630
Front
  End Tools 589–597
  Wheel Drive Tools 596–597
Front Wheel Drive
  Boot and Joint 596–597
  Half Shaft Removal 597
  Service Tools.....596–597
Fuel
  Adaptor Sets 542–543
  Filter Socket.....414
  Filter Wrench 414, 544
  Injection Gauge Holder 407
  Injection Pressure Gauge 542
  Injection System Cleaner... 416, 543
  Injector Puller..... 409, 415
  Injector Timing Gauges 407
  Injector Tools 119, 156, 407–411, 413–418, 422, 425
  Line Disconnect Tool.....546–547
  Line Plug.....407, 409
  Line Stopper 547
  Pump Wrench.....409, 425
  Service, Diesel .. 407, 409–416, 418
  Socket, Pressure Sensor .. 412, 414, 417
  Tank Ring Tool 420, 544
  Tank Stand.....604
  Tube Remover 409
Funnels..... 648–649
Fuse
  Pliers..... 536
  Pullers..... 536
  Savers, Fuse Buddy™ 522
  Tongs 536

G

Gappers, Spark Plug 680
Gas Analyzers..... 526–527
Gas Welders 558
Gasket Punches 353
Gauge
  Air Pressure 541, 577
  Belt Tensioning 630, 658
  Brake Drum, Rotor 690
  Chisel 351

Compression 538–540
Cooling System 630–631
Cylinder Bore 665
Cylinder Leakage 541
Diesel Compression 539
Drill Bits, Wire 492
Feeler, Gap..... 407, 411, 679–681
Fuel Injection 542–543
Fuel Pressure 542–543
Holder 407
Hole 675
Hydraulic Pressure..... 401, 404
Injector Height 410
Magnetic Base Holders 678
Manifold 624
Pressure, Compression 538–540
Pressure, Cylinder 538
Pressure, Fuel 542–543
Pressure, Oil 541, 655
Pressure, Tire 576–578
Pressure, Vacuum 541–542, 686
Spark Plug 679–680
Test, Micrometer 675
Thread 381–382, 681
Timing 407
Tire Pressure 576–578
Torque Angle 284, 422
Transmission 541
Tread Depth 579
Gear Oil Pumps 652
Geared Head Multiplier 292–293
General Service Sets
1/8" Drive 124
1/4" Drive 124–126, 135–136
3/8" Drive 136, 170–175, 182–183
1/2" Drive..... 208–209, 212
3/4" Drive 221
Glasses, Goggles
Glasses, Safety 729–731
Goggles 629, 731
Leak Detection .. 524–525, 621–623
Gloves
Anti-Vibration..... 733
Blast, Abrasive 714
Carbon Knuckle 732–733
Cold Weather..... 732, 734
Cut Resistant..... 733, 735
Dispenser 735
Hi-Vis..... 733
Impact 733
Latex 735
Leather 558, 732, 734
Mechanic's 734
Nitrile 735
SuperCuff® 732–733
Washable..... 732, 734
Welding 558
Work..... 734
Wrecker 733
Glow Plug Compression Adaptors..... 412, 540
GM®, TORX® Driver for 117–118, 155–156
Goggles/Glasses 524–525, 621–623, 629, 729–731
Governor Gap Tools..... 410–411
Graphing Meter 745, 747–749
Graphing Scanners 744, 746, 765, 767–768, 771
Grease
Bearing Packer 651
Control Valve 650, 652
Dispenser 502, 649–650
Dispensing Systems 652
Gun 446, 451, 502, 649
Gun, Cordless..... 446, 451
Guns and Accessories 446, 451, 502, 649–650
Pumps 652
Service Tools.... 588–589, 591, 600, 648–653
Grinder
Abrasive Wheels..... 496–498
Accessories..... 498, 739–740
Air 476–478, 480
Burrs 499
Die 476–478
Die, Kits..... 477
Discs 480, 496–498
Tools 446, 452
Wheel..... 480, 496–498
Wheel Dresser..... 740
Groove Cleaners, Piston Ring 666
Gun
Adhesive..... 452
Air Solvent 724
Blast..... 713–714
Blow, Non-Vented 504
Blow, Vented 505
Flush 628
Grease..... 451, 502, 649
Heat 707
Injection 621–622
Oil Spray..... 651
Paint..... 708
Sandblasting 713–714
Soldering..... 560
Spool..... 554
Spray..... 708
Stud 566
Suction..... 651
Vibro 424

H

Hacksaw 358
Half Moon Box Wrenches 253
Hammers
Air 475
Air Accessories..... 475, 500–502
Ball Peen 354, 356
Body..... 697–698
Brass..... 355–356
Bronze Tip..... 355
Claw 355
Combination 355
Cross Peen..... 356, 697
Dead Blow 354, 356, 666
Dual Face 355
Engineer 356
Hand Drilling..... 356
Heavy Duty..... 356
Heavy Duty, Air..... 475
Interchangeable 355
Piston..... 354, 666
Plastic Tip 355
Rubber Mallet..... 355, 588
Set 354–356
Sledge..... 354, 356
Sledge, Hammer Striking Wrench ... 263–264
Slide 388, 392–393, 395, 398–400, 407, 409, 566–567, 595, 600, 696
Soft Face..... 355, 588
Tire..... 355, 571, 588
Wheel Weight..... 571
Hand Cleaner..... 736–737
Hand File..... 363–364, 699
Hand Saw..... 358
Handles
1/4" Drive 106–107
3/8" Drive..... 143, 176
1/2" Drive..... 188
3/4" Drive..... 214
1" Drive 223
Air Drill 473–474, 489
Auxiliary 473, 489
File 364, 699
Screwdrivers 314
Tool Storage..... 82
Torqometer®..... 283
Hang-on
Creeper Rack..... 94
Diagnostic Storage Rack 94
Prybar Rack..... 93–94, 332
Trays 94
Hardwood Tops..... 72
Harmonic Balancer Tools 660
Head Bolt Tools 158–159, 196–197, 218, 220, 408, 417, 419, 545
Headlamp
Adjuster..... 707
Spring Tool 707
Wrench 707
Hearing Protection 729, 731
Heat Gun 707
Heated Leak Detectors..... 620
Heavy Duty
Cutter, Bolt 346
Cutter, Diagonal 335
Die Grinder 476
Gloves 732, 735

Hammer 356
Hammer, Air 475
Housing with Collet 388
Pliers 337
Polisher 485
Prybar 330–332
Puller 395–396, 399
Punch 353
Replacement Locks, Tool Storage 98
Scraper 365
Soldering 560
Truck Tools 417–419, 767–774
Wrench 263–265
Wrench, Impact 467
Helmets, Welding 562–563
Heritage Series
Accessories, "Add-ons" 52–55
Drawer Section 54
End Cabinet 55
Locker 55
Reference Chart 6, 50
Roll Cab 50–52
Top Chest 52–54
Hex
Adaptors, Hex-to-Square, Power 109, 117, 123, 145, 168, 321–323
Bit Socket, 1/4" Drive 119–120, 132–135
Bit Socket, 3/8" Drive 157–159, 168, 179, 181
Bit Socket, 1/2" Drive 196, 207, 211–212
Bit Socket, 3/4" Drive 216–217
Bit Socket, 1" Drive 224
Driver 549, 597, 690
Holder 112–113, 315–316, 320–323, 325, 347
Key Sets 266–271
Low Profile Socket 599
Screwdriver 308
Shank, Power 123, 205
Wrench 266–271
High Leverage Pliers, Cutters 335, 337, 588
High Performance
Sockets 115
Wrenches 238, 251–252
High Range Seal Tools 599
Hi-Lok® Fastener Ratchets
1/4" Drive 105
3/8" Drive 142
Hinged Head Pick-up Tools 683–684
Hobby Knife 362
Holders, Tool 84–94
Hole
Gauges 675
Reconditioners 376
Saws 495
Hones 695
Hood Prop 661
Hook 328–329
Hook Type Spanner Wrenches 274
Hose
Air 505, 708
Air, Anti-Static 425
Clamp Pliers 635–636
Cutters, Slitters 634
Nozzles 724
Pinchers 547
Pinching Pliers 545
Reels 725
Removal Tools, Screwdriver Style 328
Hoses, A/C 625
Hub Cap Tools 588, 591
HVLP Spray Guns 708
Hybrid Battery Lift 605
Hydraulic
Bottle Jacks 602
Cable Cutter 429
Hoists 605
Jacks, Bottle 602
Jacks, Service 601–602
Jacks, Transmission 604
King Pin Presses 594
Lift, Battery 605
Nut Splitter 429
Power Kits 401
Pressure Gauge 401
Puller 396, 400–404
Rams, Pumps 401
Tailpipe Expander 367
Transmission Jacks 604
Wet Sleeve Puller 408
Wheel Dollies 603
Hydrometer 615, 631

I

Idle Lock Nut Wrench 409
Ignition
Adaptor 745, 749, 751, 761
Spark Plug Gauge 680
Tools and Testers 551, 661, 680
Wrenches, Ford® Modulator for 551, 661
Wrenches, Open End 255
Imager, Digital Dual View 528–530
Immersion Cleaners 722–723
Impact, 1/4" Drive
Extensions 121
Sockets 122–123
Swivel, Universal Joint 121
Impact, 3/8" Drive
Adaptors 162
Extensions 162
Sockets 163–167
Sockets, Twist 167
Swivel, Universal Joint 162
Impact, 1/2" Drive
Adaptors 199
Extensions 199
Sockets 200–205
Sockets, Twist 204
Swivel, Universal Joint 199
Impact, 3/4" Drive
Adaptors 217
Extensions 217
Locking Rings and Pins 217, 232
Sockets 218–220
Swivel, Universal Joint 217
Impact, 1" Drive
Adaptors 224
Extensions 224
Locking Rings and Pins 224, 228, 232
Sockets 225–227
Swivel, Universal Joint 224
Impact, 1 1/2" Drive
Adaptors 228
Extensions 228
Locking Rings and Pins 228, 230, 232
Sliding T-Handle 227
Sockets 228–230
Swivel, Universal Joint 228
Impact, 2 1/2" Drive
Locking Rings and Pins 230, 232
Sockets 231–232
Impact, #5 Spline Drive
Adaptors 228
Locking Rings and Pins 228
Sockets 152
Impact
Driver 161, 198
Drivers, Sets 161, 198
Gloves 733
Locking Ring and Pin Reference Chart 217, 224, 228, 230, 232
Wrench, Air 464, 466–470
Wrench, Cordless, 9.6V 456
Wrench, Cordless, 14.4V 445, 453
Wrench, Cordless, 18V 445, 447–450
Wrench, Cordless, Reference Chart 445
Wrench, Electric 460
Industrial Finish Hand Tools
Adaptors, 1/4" Drive 109, 123, 144, 323
Adaptors, 3/8" Drive 109, 144–145, 162, 168
Adaptors, 1/2" Drive 109, 144, 190, 199, 205
Adaptors, 3/4" Drive 215, 217
Adaptors, 1" Drive 223–224
Adaptors, 1 1/2" Drive 228
Adaptors, High Performance, Spline 228
Bit Sockets, 1/4" Drive 117, 120–121, 131–133

Bit Sockets, 3/8" Drive.....155–156, 158, 160, 168, 179–180
Bit Sockets, 1/2" Drive 195–198, 207, 211
Bit Sockets, 3/4" Drive.....216–217
Bit Sockets, 1" Drive..... 224
Breaker Bars, 1/2" Drive 187
Extensions, 1/4" Drive.....108
Extensions, 3/8" Drive 143, 154, 162, 168,
Extensions, 1/2" Drive.....190, 199, 205
Extensions, 3/4" Drive 214, 217
Extensions, 1" Drive 224
Extensions, 1 1/2" Drive 228
Hex Keys 269–271
Ratchets, 1/4" Drive.....103, 105
Ratchets, 3/8" Drive 138, 141
Ratchets, 1/2" Drive.....185, 187
Ratchets, 3/4" Drive 214
Ratchets, 1" Drive 233
Sockets, 1/4" Drive..... 110–111, 114, 117, 122–124, 130
Sockets, 3/8" Drive 146, 148, 151–154, 163–169
Sockets, 1/2" Drive 192–194, 200–207
Sockets, 3/4" Drive ... 216, 218–220
Sockets, 1" Drive 225–227
Sockets, 1 1/2" Drive..... 228–230
Sockets, 2 1/2" Drive 231–232
Sockets, Ball Joint 590
Sockets, High Performance, Spline 3/8" Drive..... 152, 407
Universal Joints, 1/4" Drive..... 121
Universal Joints, 3/8" Drive 162, 168
Universal Joints, 1/2" Drive..... 190, 199
Universal Joints, 3/4" Drive 217
Universal Joints, 1" Drive 224
Universal Joints, 1 1/2" Drive..... 228
Wrenches, Adjustable 273–274
Wrenches, Box 252
Wrenches, Combination 245–247
Wrenches, Four-Way Angle Head Open End..... 256
Wrenches, Heavy Duty 263–265
Wrenches, Open End Crowfoot 3/8" Drive..... 259
Industrial Puller Sets..... 400
Industrial Torque Wrench 277, 279, 281
Information
System Repair 764–765
System, ShopKey®..... 765
Infrared
Curing Light 707
Printer 527, 611
Thermometer 532–533
Injection Gun..... 621–622
Injection Pump Tools..... 119, 156, 407, 409
Injector
Brush 407,–408, 411, 413
Fuel, Carburetor Tools..... 549
Fuel, Diesel 119, 158, 407–411, 414–416, 418, 422
Fuel, Disconnect Tools 544, 546–547
Fuel, Micro Drill 496
Fuel, System Cleaner 416, 543
Fuel, System Tools 119, 158, 407–411, 414–416, 418, 422, 453–456, 542, 545–547
Fuel, Testing and Electronics ...542, 545
Gauge.....410
Harness Testers.....545
Height Gauge 410
Puller..... 409, 415
Pump Wrench.....409, 425
Socket 414–415
Timing Gauges 407
Wrench 409, 425
In-Line Sanders 483
Inserts, Socket 145
Inspection Mirrors 685–686
Installer Sets, Bushing .600, 667–669
Instinct®
Awls, Hooks and Picks 328
Circuit Testers 518–520, 628
Remote Start Switch 614
Screwdrivers 303–307, 309–311, 313
Test Lights 518–520, 628
Interchangeable
Hammer.....355
Heads, Torque 286–292
Pliers Tip..... 340
Puller, General Purpose 395–396
Puller, Industrial Sets 400
Pullers, Bar Type.....400, 403–405
Torque Wrench 277–287, 286
Torque Wrench, Heads 287–292
Isuzu®, Diesel for 416, 540

J

Jack
Air 602
Aluminum 601
Automotive 601–602
Body..... 696
Bottle 602
Hydraulic 601–603
Long Chassis..... 602
Manifold 367
Motorcycle 604
Push-Pull 696
Short Chassis.....601
Stands..... 603
Transmission..... 604
Wheel Dolly..... 603
Jacobs® Engine, Brake Tools for....408
Joint Rate Simulator Adaptor..... 294, 299
Jumper Cables 613

K

Key Chain..... 95
Keys, Personality 775
King Pin Presses 594
Knee Pads 740
Knife
Hobby..... 362
Lock Back.....359–360
Pocket 359–360
Putty..... 366
Sharpening..... 362
Utility 360–362

L

Landscape Tools 360
Latch-on® Wrenches..... 240
Latex Gloves 735
Lathes, Brake Accessories 687
Leak Detector
A/C..... 621–623
Combustible Gas 526
Fluid..... 631, 656
Refrigerant..... 620
Smoke 524–525
Ultraviolet..... 621–623
Leather
Shears..... 698
Shot Dolly..... 699
Welding Gloves 558
Work Gloves 732, 734
Left Hand Drill Bits 383, 385, 493
Letter Drill Bit Set.....491
Levels 678, 681
Lifting
Battery, Hybrid 605
Come-Along Tool 605
Engine 605
Fuel Tank..... 604
Jacks 601–602
Lifting, Pulling Tool..... 605
Stands..... 603–604
Transmission..... 604
Wheel Dolly..... 603
Lighted Mirrors..... 685–686
Lights
Flashlight..... 638–639
Flexible.....83, 643
Flood 643
Leak Detection 623
LED..... 638–641, 643

Magnetic 639
Shop 640–642
Timing 422, 535
Tool Storage 59, 82–83, 93
Fluorescent 642
Utility 641
UV, LED Flex 621
Lineman's Pliers 334, 337, 345, 349
Lithium Battery 459, 461–462
Lock
Pick Sets 328–329
Ring Pliers 339–340, 599
Lock Bars 95
Lock-Back Knives 359–360
Locker
Classic Series 48
Docker 36
EPIQ Series 20
Heritage Series 55
Masters Series 35–36
Locking
Adaptor, 1/4" Drive 123
Adaptor, 3/8" Drive 162
Adaptor, 1/2" Drive 190
Bar 95
Extensions, 1/4" Drive..... 108, 121, 128
Extensions, 3/8" Drive 143–144, 162, 168, 177
Extensions, 1/2" Drive..... 189–190, 199, 210
Knives 359–360
Lug Nut Remover Kit 582
Nut Driver 318
Pliers, Clamps 338, 565
Rings and Pins, 3/4" Drive 217, 232
Rings and Pins, 1" Drive .. 224, 228, 232
Rings and Pins, 1 1/2" Drive.....228, 230, 232
Rings and Pins, 2 1/2" Drive 230, 232
Rings and Pins, #5 Spline Drive 228, 232
Speeder..... 188
Locking Rings and Pins, Impact
Reference Chart.. 217, 224, 228, 232
3/4" Drive 217, 232
1" Drive 224, 228, 232
1 1/2" Drive 228, 230, 232
2 1/2" Drive 230, 232
#5 Spline Drive 228, 232
Lock-out Tools 703
Locks
Padlocks 95
Tubular Assemblies 98
Long Reach Pliers 334, 336, 346
Looped Tool Holders..... 93
Low Profile
Ratchet..... 105, 141, 148–149, 182
Screwdrivers 312
Socket, 1/4" Drive..... 105
Socket, 3/8" Drive 141, 148–149
Socket, External Drive 384
Low Torque Slimline Wrenches..... 255
L-Shaped
Hex Wrenches 266, 269–271
Multi-Spline Wrenches 271
TORX® Wrenches 267, 271
Wrench 266–267, 269–271
Lubricants, Synthetic 736
Lubrication Kits 650
Lubrication Tools 645–653
Lubricator, Air Line..... 720
Lug Nut Tools.....580–583

M

MacPherson Strut Tools..... 593
Magnetic
Accessories, Tool Storage.... 59, 78, 82–83, 85–87, 89–91, 93–94
Adaptor 109, 145
Base Holders..... 678
Bit Holder, Nonconductive..... 347
Bit Holder, Screwdriver 113, 315, 347
Bit Holder, Tool Storage Accessories.....86
Bit Socket 112–113
Can, Bottle Holder 89
Holders and Trays..... 85–91, 93–94
Insert Bit Holder 112–113, 323
Light..... 59, 82–83, 639
Nut Driver 322
Nut Holder 88, 323
Paint Gun Hook 710
Panels 89
Parts Tray..... 90
Pick-up Tools..... 683–684
Power Nut Drivers 488
Ratchet and Bit Sets 317
Screw Starters..... 317, 347
Screwdrivers 314–316
Socket, 1/4" Drive.....123–124
Socket, 3/8" Drive 169
Socket, 1/2" Drive..... 206
Socket Clips, Rails, Holders and Trays 85–87
Spark Plug Sockets..... 372
Tool Holders.....85–91
Tool Silhouettes 89
Tool Storage Accessories..... 59, 78, 82–83, 85–87, 89–91, 93–94
Trays 90
WorkStation Light..... 82–83
Wrench Organizer..... 87
Mallet, Rubber..... 355, 588
Mandrel Mounted Abrasives 499
Manifold
Gauge Set 624
Jack Set..... 367
Repair Kit..... 624
Marine Plug Screwdriver.....313
Marking Set, Welder's 564
Master Bit Kit.....319
Masters Series
Accessories, "Add-ons"..... 30–36
End Cabinet 32–34
Locker 35–36
Overhead Cabinet..... 32
Reference Chart.....6, 24–25
Roll Cab 24–29
Tool Utility Vehicles, "TUV" .. 37–40
Top Chest.....30–31
WorkCenter 31
Mastic Removal Tools... 424–425, 705
Mats, Rubber
Floor and Kneeling..... 96
TUV (Tool Utility Vehicle) 40
Work Surface..... 73
Measuring
Angle..... 600, 678
Caliper..... 676, 690
Contact Points and Extensions.. 677
Dial Test Indicator Sets 677
Feeler Gauges 407, 411, 679–681
Levels..... 678, 681
Magnetic Base 678
Micrometers and Sets 674–675
Pinion Depth Gauge..... 677
Precision Straight Edges 682
Sets.....681
Small Hole Gauge Set 675
Spark Plug Gauges, Gappers 680
Steel Rules..... 682
Tape Rules 682
Telescoping Gauge Set..... 675
Thread Gauge.... 378–379, 381, 681
Mechanic's Stethoscope 531
Mechanical Fingers 683
Memory Saver/Power Inverter..... 458
Mercedes®, Diesel for..... 415–416, 418–419
Metal Boxes.....70, 95
Metal Cutting Shears
Air 481
Shears, Snips..... 698
Meter
AVR Testers 610–611
Digital 511–512
Duty Cycle.....511–512
Graphing 745, 747–749
Multimeters 511–512, 610
Specialty 413, 534
Torque 295
Volt-Amp..... 511–512, 520
Volt-Ohm 748–749

Metric Tools
Alignment Tools....589–593
Bolt Thread Gauge 381–382, 681
Brake Tools 689–695
Bushing Driver Set..... 668–669
Carburetor Tools 549
Caster-Camber Tools 591
Chasers, Thread 375
Compression Gauges 538–539
Conversion Chart 680, G5
Crowfoot Wrenches, 1/4" Drive 258
Crowfoot Wrenches, 3/8" Drive 260–261
Crowfoot Wrenches, 1/2" Drive ..261
Diesel Injector Socket 414–415
Distributor Tools..... 550
Drain Plug Sockets ... 422, 599, 630
Drill Bits..... 491, 495
Feeler Gauges 679–681
File, Thread Restorer 375
Flaring Tools..... 369
Folding Hex Wrenches..... 268–269
Fuel Injector Sockets.....414–415
Fuel, Pressure Sensor 412, 414, 417
Head Bolt Tools ..158–159, 196–197, 218, 220, 408, 417, 419, 593, 656,662
Hex Wrenches 266–271
L-Shape Hex Wrenches.....266, 269–271
Lug Nut Socket 581–583
Pressure Gauges, Tire 576–578
Ratcheting Box Wrenches, Combination 234–237
Ratcheting Box Wrenches, Crowfoot..... 261
Ratcheting Box Wrenches, Double Box.....238–241
Ratcheting Box Wrenches, High Performance.....238
Ratcheting Box Wrenches, Spline ... 238
Ratcheting Box Wrenches, T-Handle 239
Rethreading Tools.....374–376
Screwdrivers 285
Spark Plug Hole Rethreaders 376
Spindle Rethreader.....375
T-Shape Hex Wrenches..... 128–129
Taps and Dies..... 378–381
Thread Chasers 375
Thread Pitch Gauge ..378–379, 381, 681
Threading Tools.....378–382
Tire, Wheel Tools 576–578, 580–587, 589–593
TORQOMETER® Wrenches..282–284
Torque Adaptors 154, 419
Torque Wrenches..... 280–285
Transmission Drain Plug Socket..... 197, 422, 599
Tube Cutting, Flaring Tools 368–369
Valve Cover Bolt Socket.....656, 662
Valve Tools..... 662–664
Metric, Tool Sets
Automotive Tool Sets 437–440
Set Building Program..... 437–440
Micro Air Tools
Drill, 1/4" 474
Finishing Tools, Kits..... 485
Reference Chart..... 465
Tool Accessory Kits 496
Micrometers
Digital 674
Outside..... 674
RM130 Rotor..... 690
Test Gauges 675
MicroVAT™.....610–611
Midget Chisels..... 352
Midget Punches..... 352
MIG Torch..... 554–555
MIG Wire Feed Welders..... 553–554
Mini Tip Screwdriver..... 303–307, 310
Miniature
Air Ratchet 471–472
Awls, Hooks and Picks 311, 328
Cutter 345–346
Die Grinder, Air.....477–478
File 363
Flex Light 621
Hacksaw 358
Pliers.....345–346, 561
Screwdriver, Electronic Service 308–309
Screwdriver, Flat Tip 303–305, 308–309, 311
Screwdriver, Phillips® Tip 303–304, 306–309
Screwdriver, Sets 303–304, 308–309
Screwdriver, Special Application 311
Screwdriver, Tamper Resistant...310
Soldering Torch, Butane.....561
Utility Knife 360
Mirrors
Hinged..... 685–686
Inspection..... 684–686
LED Telescoping 686
Lighted 685–686
Pocket 685
Telescoping..... 685–686
Mitchell1® Service Programs 740
Mobea Hose Clamp Pliers 635
Mobile
Battery Charger, Cordless Tools 459, 462
Industrial Puller Set 400
Tool Storage, Cart 57–60, 64–66, 564
WorkStation 57
MODIS™ Accessories..... 758–761
MODIS™ Ultra
Accessories.....747, 756, 758–761, 763
Software 747
Modular Connectors, Crimping Tools . 343–344
Modulator Wrench 551
Motor Oil, Air..... 506
Motorcycle
Air Chuck 422
Compression Gauge..... 538
Exhaust Probe 527
Gas Tank Cover 421
Jack 422
Lift/Jack..... 604
Oil Fillers 421, 648
Service Tools..... 420–422
Spark Plug Socket 372–373, 420
Special Purpose, Application.... 423
Tire Changer..... 422, 570
Voltage Tester 423
Wheel Balancer 422, 570
Muffler Tools 367, 591
Multi-
Cut Flat File 364
Cylinder Secondary Ignition Adaptor 761
Function Switch Tool..... 536
Position Prybar.....331
Purpose Cutter, Scraper 360, 366
Spline.....271, 383–384
Spline Extractors 383–384
Spline Wrenches 271
Multimeters..... 511–512, 610
Multiplier Geared Head 292–293
Multiplier Wrenches.....292–293

N

Needle
Files 364
Nose Pliers.....334, 336, 345–346, 349
Scaler.....484, 500
Nibbler.....481
Ni-Cad Battery 459
Noise and Vibration Diagnostic Unit .. 531
Nonconductive
Adaptor 348
Breaker Bar..... 348
Driver 349
Extension..... 348
Pliers..... 349
Ratchet..... 348
Screw Starter 347

Screwdriver 347
Socket 348
Wrench, Ratcheting Box 349
Non-Magnetic Feeler Gauge 680
Non-Marring
Prybar 331
Scraper 364–366
Nozzles, Water 724
Nut
Axle, Socket 584–585
Driver 318, 349
Driver, Magnetic Power 488
Driver, Nonconductive 349
Holder, Magnetic 88, 323, 321–322
Setting 699
Splitter 429
Starters 317
Wrench 409
Nylon Tool Chest Covers
Road Chests 61, 75
Roll Carts 75
Tool Storage Combinations 74–75
TUV (Tool Utility Vehicle) 37–40

O

OBD-II Break Out Box 521
OBD-II Code Readers 766
OEM Applications I26–I30
Offset Screwdrivers 311, 317
Oil
Air Motor 506
Crusher 645
Drains 652
Drum Plug Sockets 205, 652
Filler, Motorcycle 421, 648
Fillers, Funnels, Spouts 421, 648–649
Filter, Aviation Wrench 425
Filter, Crusher 645
Filter, Pliers, Sockets 412, 414, 645–646
Filter, Wrenches 274, 425, 646–647
Oilers 653
Opener, Can 425
Pliers 645
Pressure Gauge 541, 655
Pressure Sender Switch Socket 655
Pump Removal Tool 655
Pumps 652
Spray Gun 651
Wrenches 274, 425, 646–647
Oil Filler 421, 648–649
Oil Filter
Crushers 645
Pliers 645
Socket 412, 414, 645–646
Wrench 274, 425, 646–647
Oil and Gas Tools 427
Oilers 653
Open End
Torque Wrench 290–291
Wrench, AN Fitting 256, 273
Wrench, Combination Box 234–237, 241–249
Wrench, Combination Flare Nut 257
Wrench, Combination Ratcheting Box 234–237
Wrench, Combination Spline 249
Wrench, Crowfoot 1/4" Drive 258
Wrench, Crowfoot 3/8" Drive 258–261
Wrench, Crowfoot 1/2" Drive 261–262
Wrench, Double End Flare Nut 257
Wrench, Double End Open 254–256
Wrench, Flex-Combination 237, 248
Wrench, Torque Interchangeable Head 277–278, 286
Wrench, Tubular 265
Orbital Sanders 482–483
Oval Punches 353
Oxygen Sensor Tools 548

P

Pad, Knee 740
Padlocks 95
Paint
Airbrushing 710
Gun 708
Gun Cleaning 711
Gun Hook 710
Spray Equipment 708–710
Spray Guns 708
Tool Storage Unit Touch-up 97
Panel Tools, Door 700–703
Parking Brake Removal Tool 695
Parts Cleaning Brushes 724, 738
Parts Storage Cases 68, 71
Parts Trays 90, 93–94
Parts Washers
Aqueous Based 723
Solvent Based 722
Washer Accessories 723–724
PASS THRU PRO II 764
Pencil Die Grinders 478
Pentagon Socket 153, 194
Personality Keys 775
Persuader Wrench, Valve 274, 427
Phillips®
ACR® Bits 315–317, 319, 321–322, 324, 326
Bit 319–322
Bit Sockets 121, 133–134, 160, 198
Composite, Nonconductive 347
Mini-Tip Screwdrivers 303–304, 306–309
Pocket Screwdriver 307
Power Bits 326
Screwdriver 303–304, 306–309
Stubby Screwdrivers 303–304, 314
Wobble Bits 324
Pick Sets 328–329
Pickle Fork 590
Picks, Body 702
Picks, Lighted 329
Pick-up Tools
Claws 683
Lighted Magnetic 683
Magnetic 683–684
Pilot Bearing Pullers 393, 406
Pilot Drills 495
Pin
Gripping Pliers 336
Punches 351–352
Spanner Adjustable 274, 628
Pin-Type Spanner Wrenches 274
Pinch Bars 332
Pinching Pliers 545
Pinion Depth Gauge 677
Pinion Nut Sockets 596
Pipe
Nipple Remover 130, 388
Plug Extractor 383, 386
Plug Sockets 116, 153, 194
Wrenches 272, 287, 427
Pistol Grip Screwdrivers 314
Piston Service Tools 354, 665–666
Pitman Arm Pullers 390, 392, 395
Plasma Cutters 557
Plastic
Boxes 68–69
Cleaning Solution 95
Cutter 335
Drawer Dividers 91, 93
Tip Hammers 355
Pliers
Adjustable Joint 334, 337, 345–346
Battery 614
Boot Clamp 596
Brake Spring 689
Cable Clamp 614
Clamping 565
Combination, Slip-Joint 334, 337
Composite, Nonconductive 349
Connector 343–344, 426
Cotter Pin 588
Crimping 343–344
Duck Bill 336
Electrical Service 341–342
Exhaust Hanger Removal 367
Fuse 536
Heater Hose Clamp 635–636
Heavy Duty 337
High Leverage 335, 337, 588

Hose Pinching 545, 547
Hose Pulling.....635–636
Interchangeable Tip 340
Lineman's 334, 337, 345, 349
Locking..... 338, 565
Long Nose..... 338, 345–346
Long Reach 334, 336, 346
Miniature 345–346, 561
Needle Nose.....334, 336, 345–346, 349
Nonconductive Composite..... 349
Oil Filter..... 645
Pin Gripping..... 336
Pinching 545, 547
Radiator Hose Clamp 635–636
Retaining Ring..... 339–340, 599
Set 334, 337–340, 345–346
Snap Ring 339–340, 599
Spark Plug Boot 370
Special Purpose, Application 335–337
Talon Grip™..... 334, 336–337
Valve Stem Seal..... 663
Wheel Weight.....569, 571
Wire Twisting 423
Wrench 273
Pneumatic Torque
Filter, Regulator, Lubricator 301
Reaction Arms 301
Torque Wrenches 301
Pocket
Blow Guns 504
Knives 359–360
Magnifier..... 643
Mirrors 685
Rule..... 682
Screwdriver..... 306–307
Sharpener..... 362
Thermometer 627
Pocket iQ™
Accessories.....771
Scan Tool 771
Software 772
Polisher
Air 485
Electric 460
Polishing and Sanding Kits..... 485
Polishing, Supplies.....95, 736
Portable Pressure Blast Systems... 711
Potentiometer Adjuster 308
Power
Adaptors, 1/4" Drive 123
Adaptors, 3/8" Drive.....168
Adaptors, 1/2" Drive 205
Antenna Socket 706
Bits 123, 168, 206–207, 326–327
Bit Kits.....321–322, 488, 489
Bit Sockets, Hex 168, 207
Bit Sockets, TORX® 123, 168, 206
Bits, Square 327
Cords..... 643
Drivers.....123, 168, 206
Hex Drivers 188, 207
Hex Shanks, 1/4" Drive 123
Hex Shanks, 3/8" Drive.....168
Hex Shanks, 1/2" Drive..... 205
Inverters 458, 609, 612
Magnetic Sockets, 1/4" Drive 123–124
Magnetic Sockets, 3/8" Drive....169
Magnetic Sockets, 1/2" Drive.... 206
Shears.....481
Sockets, 1/4" Drive.....123–124
Sockets, 3/8" Drive 168–169
Sockets, 1/2" Drive 206–207
Steering, Alternator, Pullers 390, 394–395, 657
Steering, Alternator, Service Tools.. 657
Universal Joint, 3/8" Drive.....168
Power Tools
Accessories.....460, 488–506
Air 464–486
Cordless 445–462
Electric, Corded 460
International Product.....461–462
PowerCab™
End Cabinet, Masters Series..... 34
Pozidriv®
Bit 160, 180, 324, 327
Bit Socket 160, 180
Driver 160, 180, 313, 317
Hex Shank Bits 319, 324, 327
Screwdriver..... 313, 317
Precision Straight Edges..... 682
Preset Torque Wrenches 285–286
Presses
Arbor 717
Ball Joint 589
Ball Joint Adaptors..... 589
Brake Caliper/Piston 692–693
King Pin 594
Step Plate 717
Pressure
Blast Systems 711–713
Gauge, Compression.....538–540
Gauge, Fuel Injection 542–543
Gauge, Hydraulic 401, 404
Gauge, Oil.....541, 655
Gauge, Tire 576–578
Gauge, Transmission 541
Gauge, Vacuum 541–542, 686
Screw 390–395, 397–404, 406, 408
Washers 725–726
Printer
Infrared 527, 611
Paper..... 527, 611
Wireless..... 527, 611
Probe
Amp 513, 745, 747, 749, 751, 756, 760
Exhaust 527
Extension.....514
Ignition Quick 534
Temperature.....514
Pro-Link® iQ™
Accessories.....774
Software 773
Pro-Link® Ultra
Accessories.....769–770
Scan Tool 767–768
Software 769
Pruner, Hand 360
Pruning Saw 360
Prybar
Fiberglass 330
Heavy Duty.....330–332
Multiposition 331
Non-Marring 331
Rack 93–94, 332
Set 330–332
Striking 330–331
Pull Rods..... 702
Puller
Adaptor 391–393, 400–401, 403–406
Alternator Pulley.....394, 657
Automotive 393–395
Axle.....392–393, 594–595
Bar Type.....400, 403–405
Battery Cable Clamp 614
Bearing Separator 392, 400, 405
Blind Hole Bearing..... 400, 406
Body Dent 566–567, 696
Bolt Grip 393
Bushing.....392–393
Cable Clamp.....614
Cotter Pin.....588, 636
Dent 566–567, 696
Diesel Injector..... 409, 415
Diesel Turbo Vane Actuator.....413
Differential Side Bearing 390
Dowel Pin.....388
Features..... 389
Freeze Plug 630
Fuel Injector 409, 415
Gear 390, 392, 407–408
Harmonic Damper..... 394
Heavy Duty..... 395–396, 399
Hydraulic 396, 400–404
Industrial.....400
Injector..... 409, 415
Interchangeable 390–392, 395–396
Jaw Type 393–400, 402, 404
King Pin 594
Light Duty 395, 400
Medium Duty..... 395
Pilot Bearing 393, 406
Pitman® Arm 390, 392, 395
Power Steering Pulley 390, 394–395, 657
Pulley 390, 394, 396, 413
Pumps and Rams..... 401, 404
Push, Pull 400, 403, 405–406

Quarter Panel 696
Rear Axle 392–393
Selection Guide 389
Side Bearing 390, 392
Slide Hammer 388, 392–393, 395, 398–400, 407, 409, 566–567, 595, 600, 696
Special Purpose 393
Specifications 399, 404
Steering Pivot Pin 393
Steering Wheel 393
Steering Wheel Lock Plate Depressor 393
Stud 386–387
Tapped Hole 393, 400, 403
Universal Wheel 595
Wet Sleeve 408
Wheel Hub 595
Pulse Adaptor, Diesel 413, 534
Pump Adjusting Tools, Diesel 409
Punch
Chisel Holder, and 351
Chisel Set, and 351–353
Chisel, Air Hammer 500–501
Heavy Duty 353
Soft Grip 353
Push Rod Tools 411
Putty Knives 364, 366

Q

Quick Change
Anvil, 9.6V 456
Anvil, 14.4V 453
Anvil, 18V 447–449
Anvil, Reference Chart 464
Bit Set 460, 488
Chuck, Air Hammer 475, 501
Chuck, Drill 453, 456
Coupler, Air 506
Coupler, Diesel 413
Coupler, Screwdriver Bit 323
Extension Set 460
Tip, Blow Gun 504
Quick Connect, Disconnect Tools
Air Conditioning Service 628
Carburetor 546
Fuel 546–547
Jiffy-Tite®, Low Profile 547
Radiator 630
Transmission 598
Quick Release Ratchets 104, 127, 140, 175, 186, 210

R

Race Drivers, Bearing 669
Radiator Tools 630–636
Radio Trim Nut Socket 706
Railroad Tools 301, 428–429
Rails and Clips, Socket 84–86
Ratchet
1/4" Drive 103–105, 112, 127
3/8" Drive 138–142, 148–149, 175, 182
1/2" Drive 185–187, 210
Accessories, Air 502
Adaptor 106, 142, 187
Air 471–472
Compact Head 140
Cordless 446, 454
Dual 80™ Technology 103–105, 138–142, 185–186
Fingertip 104, 127
Flex Head, 1/4" Drive 103–105
Flex Head, 3/8" Drive 138–140
Flex Head, 1/2" Drive 185–186
Flex Head, Pass Thru 182
FOD. 105, 141, 186
Heads, Handles 214, 223
Heads, Ratchet, 3/4" Drive 214
Heads, Ratchet, 1" Drive 223
Heads, Torque Wrench 287, 291
Hi-Lok® 105, 142, 427
Insulating, Composite 348
Low Profile ... 105, 141, 148–149, 182
Nonconductive 348
Palm 142
Quick Release 104, 127, 140, 175, 186, 210
Repair Kit 103–106, 138–142, 185–187, 214, 223
Round Head 104, 141
Sets 127, 175, 210
Special Purpose, Application ... 142, 187
Spinners 106, 127, 142, 176, 187
Spud 187
Swivel 104, 141
Ratchet and Bit Sets 316–317
Ratcheting
Adaptor 106, 142, 187, 215
Bit Sets 319–322
Box Wrenches, Combination 234–237
Box Wrenches, Crowfoot 261
Box Wrenches, Double Box 238–240
Box Wrenches, High Performance ... 238
Box Wrenches, Nonconductive .. 349
Box Wrenches, Spline 238
Box Wrenches, T-Handle 239
Box Wrenches, Torque Interchangeable Head 287
Crimpers 343
Cutter 368
Driver 107, 313–317
Flare Nut, Torque Interchangeable Head 291
Pip Wrenches, Torque Interchangeable Head 287
Screwdriver 314–317
Tap Wrenches 382
T-Handle Driver 107, 315
Torque Wrench 276–281
Reamer, Tapered 496
Rear Axle Puller 392–393
Rechargeable Utility Lights 641
Reciprocating Saw
Air 480–481
Cordless, 18V 446, 451
Refrigerant
Leak Detector 620–623
Recovery Recycling Center 617–628
Scale, Charging 621
Regulators, Air Line 709, 720
Remote Control
Mirror Tools 706
Starter Switch 614
Repair
Body 566–567, 696–707
Collision 566–567, 696
Extension 108, 143, 189
Extractor, Porcelain 370
Information System, ShopKey® 765
Manifold 367, 624
Ratchet 103–106, 138–142, 185–187, 214, 223
Respirator Filters 731
Retaining Ring Pliers 339–340, 599
Rethreading Tools 374–376
Reversible
Cut Off Tool, Air 479
Disc Sander 483
Drill, Air 473–474
Screwdriver Blade 311
Ridge Reamer, Cylinder 665
Right Angle Drill 474, 494
Rim Tools, Wheel 569–573, 588
Riveters and Rivet Kits .. 501, 699–700
Road Chest 61–62
Roll Cab
Classic Series 44–46
Cover 74–75
Customization 78–82
EPIQ Series 10–17
Heritage Series 50–52
Masters Series 24–29
Reference Chart 6
Roll Carts 57–60, 64–66, 564
Roll Pin Punches 352, 500–502
Rotor Thickness Gauge 690
Round Head Ratchets 104, 141
Rubber
Hammer 355, 588
Mat, Tool Storage 73
Runout Gauges 690

S

Safety
- Arm Protectors 558
- Back Supports..... 740
- Ear Protection 729, 731
- Face Protection..... 729
- Glasses..... 729–731
- Gloves 558, 732–735
- Goggles 629, 731
- Hearing Protection.....729, 731
- Knee Pads..... 740
- Respirators and Filters 731
- Welding Helmets 562–563, 729
- Wiring..... 423–424

Sandblaster.....713

Sander
- Accessories.....496
- Air 482–485
- Belt 484
- Disc, Reversible..... 483
- Dual Action 483
- Orbital and Geared 482–483

Sanding
- Blocks 705
- Kits 485

Saw
- Air 480–481
- Blade..... 358, 502–503
- Cordless 451, 454
- Folding, Pruning.....360
- Hack..... 358
- Hand 358
- Hole 495
- Micro.....481
- Mini..... 358
- Pruning.....360
- Quick Cutter 358
- Reciprocating, Air 481
- Reciprocating, Cordless 451, 454

Scaffold Ratchet 187

Scanner and Accessories..... 744–775

Scissor Lifts.....604

Scissors 358, 604

Scopes
- Electronic Stethoscopes.... 530–531
- Video Borescopes.....528–530

Scraper
- Carbon.....365–366
- Multipurpose 364–366
- Non-Marring 364–365
- Set 365–366
- Striking 365
- Window 704

Screw
- Extractors 383–386
- Pitch Gauge 381–382
- Starters 317, 347

Screwdriver
- Bits and Accessories..... 323
- Clutch..... 324
- Cordless 453, 456
- Diamond Tip..... 306
- Dzus®, Fastener for..... 310,311
- Electronic Service 308–309
- Flat Tip..... 303–312
- Hex..... 308
- Instinct® 303–307, 309–313
- Insulated 347
- Low Profile.....312
- Marine Plug 313
- Mini Tip 303–307, 310
- Miniature 308
- Nonconductive 347
- Offset 311, 317
- Phillips® 303–304, 306–309, 311
- Pocket 306–307
- Pop Up.....312
- Potentiometer Adjusting 308
- Pozidriv®.....313
- Rack 57, 93
- Ratcheting 313–317
- Reversible Blade..... 311
- Set 303–304, 306, 308–313, 316–317
- Spark Test..... 306
- Special Purpose, Application 311–313
- Square Tip 312
- Square Tip, Bits..... 327
- Tamper-Resistant 310
- T-Handle, T-Shape 315
- Torque 285
- TORX®, TORX Plus® 309–311

Scribe 329

Scrulox® 319, 321

Seal
- Drivers..... 668–669
- Installers 599, 663
- Puller..... 588, 599, 662
- Removal Tools, Cam Seal...661–662
- Removal Tools, Pliers Style..... 370
- Removal Tools, Screwdriver Style ... 328, 422
- Removal Tools, Sets.....661–662
- Removal Tools, Transmission...422, 599

Sealing Cap Sets..... 598

Seat
- Covers, Automotive..... 670
- Creeper..... 673

Sensor
- Socket, Diesel 412, 414, 417
- Socket, Oxygen 548
- Versatorq® 295
- Voltage 523

Serpentine Belt Tools 412, 658–659

Service Banner, Diagnostic..... 619, 746–747, 749, 751, 754, 756–757

Set Building Programs
- US Set Building Program ... 431–436
- Metric Set Building Program 437–440

Sets, US and Metric-General Service
- 1/8" Drive 126
- 1/4" Drive 124–126, 135–136
- 3/8" Drive ...136, 170–175, 182–183
- 1/2" Drive.....208–209, 212
- 3/4" Drive 221

Shackle Pin Sockets..... 586

Shanks, Power Hex
- 1/4" Drive 123
- 3/8" Drive.....168
- 1/2" Drive..... 205
- Sets..... 322

Shears
- Metal Cutting 698
- Powered 481
- Shop 698
- Vinyl.....698

Shelf, Folding 94

Shock Absorber Tools.....591

Shop Fans 727

Shop Presses.....717

Shop Supplies 736–740

Shop Vacuums.....726–727

ShopKey®..... 765

Short Circuit Locator 522

Shot Dolly 699

Side Bearing Pullers.....390, 392

Side Cutters...334–337, 342, 345–346

Single Square Sockets 227, 427

Siphon Gun, Oil 651

Slatebar..... 332

Sledge Hammer 354, 356

Sledge Hammer Wrenches... 263–264

Slide Hammer Pullers
- 2 Jaw 398
- 3 Jaw 398
- Bearing, Blind Hole..... 406
- Body, Dent 566–567, 696
- Dowel Pin.....388
- Injector..... 409, 415
- Interchangeable, Bar Type..... 392
- Interchangeable, General Purpose.. 395–396
- Pipe Nipple 388
- Reference Chart..... 399
- Sets, Industrial.....400
- Special Purpose 393, 566–567, 595, 600, 696

Sliding T-Handles
- 1/4" Drive 107
- 3/8" Drive.....143
- 1/2" Drive..... 188
- 3/4" Drive.....214
- 1" Drive..... 223
- 1 1/2" Drive 227

Sliding Trays.....94

Slimline Wrenches 255, 272

Sling, Engine 605

Slip-Joint Pliers..... 334, 337, 345–346

Slitting Chisels 501
Small Hole Gauge Set..... 675
Small Metal Boxes 70, 95
Smoke Machine 524–526
Snap Ring Pliers 339–340, 599
Snap Ring Retention Device ...162, 199
Snips
Aviation 698
Light Duty and All Purpose 698
Tin..... 698
Socket
1/4" Drive 110–124, 129–136
3/8" Drive.....146–160, 163–169, 178–183
1/2" Drive.....191–198, 200–207, 211–212
3/4" Drive 215–221
1" Drive 223–227, 586–587
1 1/2" Drive 228–230
2 1/2" Drive..... 231–232
Axle Nut.....584–585
Ball Joint..... 590
Bit, 1/4" Drive 117–121, 123, 131–135, 180–181, 212
Bit, 3/8" Drive 134–135, 155–160, 168, 179–181, 212
Bit, 1/2" Drive.....134–135, 180–181, 195–198, 206–207, 211–212
Bit, 3/4" Drive 216–217
Bit, 1" Drive 224
Budd Wheel 587
Clips, Rails, Holders and Trays 84–87
Composite, Nonconductive..... 348
Crank Shaft Bolt, 1/2" Drive..... 205
Double Square, 1/4" Drive..... 116, 130, 324
Double Square, 3/8" Drive 153
Double Square, 1/2" Drive.....194, 206
Double Square, 1" Drive 227
Drag Link, 3/8" Drive 153, 422
Drag Link, 1/2" Drive..... 194, 422
Drag Link, 3/4" Drive 216
Drain Plug, Engine, Oil.....155, 197, 316, 408, 417, 422, 655
Drain Plug, Radiator..... 630
Driver Tray.....86
Drum Plug..... 205, 652
Engine 408, 427
Engine Barring 662
Filter..... 412, 414, 645
Flank Drive®, Flank Drive® Plus, 1/4" Drive 110–115,122
Flank Drive®, Flank Drive® Plus, 3/8" Drive..... 146–150, 153, 163–166
Flank Drive®, Flank Drive® Plus, 1/2" Drive 191–194, 200–204
Flank Drive®, Flank Drive® Plus, 3/4" Drive.....215, 218–220
Flank Drive®, Flank Drive® Plus, 1" Drive.....225–227
Flank Drive®, Flank Drive® Plus, 1 1/2" Drive 228–230
Flank Drive®, Flank Drive® Plus, 2 1/2" Drive.....231–232
Flare Nut.....153, 407, 414
Flip, 1/4" Drive 117
Flip, Lug Nut, Retaining..... 581–583
Flip, Oil Filter..... 414, 645
Fuel Pressure Sensor .. 412, 414, 417
Hand 417, 420
Head Bolt.....198, 417, 656
High Performance..... 115
Holders..... 84–87
Hose Clamp..... 419, 426
Impact, 1/4" Drive 122–123, 130
Impact, 3/8" Drive.....163–167
Impact, 1/2" Drive..... 200–205
Impact, 3/4" Drive.....218–220
Impact, 1" Drive 225–227
Impact, 1 1/2" Drive 228–230
Impact, 2 1/2" Drive..... 231–232
Impact, Heavy Duty Truck ...417–419
Injector, Diesel.....414–415
Inserts, Non-Marring 145
Lock 583
Long.....111, 132, 157–159, 179, 196, 583, 701
Low Profile, 1/4" Drive ..112–113, 115
Low Profile, 3/8" Drive.....148–150
Lug Nut..... 581–583
Magnetic, 1/4" Drive.....123–124
Magnetic, 3/8" Drive 169
Magnetic, 1/2" Drive 206
Magnetic, Surface Drive, 3/8" Drive..... 169
Metric Injector.....415
Mirror 706
Nonconductive 348
Oil Filter..... 414, 645
Oil Pressure Sender Switch 655
Organizers 84–87
Pipe Plug 116, 153, 194
Power, 1/4" Drive.....123–124
Power, 3/8" Drive 168
Power, 1/2" Drive..... 206–207
Railroad..... 428
Retaining 581–583
Sensor, ICP 412
Sensor, Oxygen 548
Sensor, Water 414
Set, 1/4" Drive....110–120, 122–123, 130–136
Set, 3/8" Drive ...146–159, 163–167, 180–183
Set, 1/2" Drive....191–193, 196–197, 200–204, 212
Set, 3/4" Drive 218–219
Set, 1" Drive 225–226
Set, 1 1/2" Drive..... 229
Set, 2 1/2" Drive 231–232
Set, Combination..... 112, 114, 116–120, 134–136, 147, 151–152, 155–159, 180–183, 193, 212
Set, General Service 1/8" Drive..124
Set, General Service 1/4" Drive 124–126, 135–136
Set, General Service 3/8" Drive 136, 170–175, 182–183
Set, General Service 1/2" Drive..... 208–209, 212
Set, General Service 3/4" Drive 221
Set, Hex Bit 119–120, 132–135, 157–159, 181, 196, 212
Set, Impact Drivers 161, 198
Set, Nonconductive/Composite 348
Set, Spline..... 116, 152
Set, TORX® Bit 117–119, 134–136, 155–156, 180–181, 212
Set, Triple Square Bit .. 159, 180, 197
Shock Absorber.....591
Spanner..... 411
Spark Plug 371–373, 420
Special Purpose/Application, 1/4" Drive 116–117, 120, 123
Special Purpose/Application, 3/8" Drive.....153–154, 156, 160, 166–167, 373
Special Purpose/Application, 1/2" Drive 194, 198, 204–205
Special Purpose/Application, 3/4" Drive..... 216
Special Purpose/Application, 1" Drive.....227
Special Purpose/Application, Diesel.....411
Special Purpose/Application, Heavy Duty Truck..... 417–419
Special Purpose/Application, Railroad.....428
Special Purpose/Application, Spark Plug 371–373, 420
Spline, 1/4" Drive 116
Spline, 3/8" Drive.....152
Spline, 1/2" Drive 194, 407
Spline, 3/4" Drive.....216
Spline, 1" Drive..... 223
Surface Drive, 3/8" Drive.....169
Surface Drive, 1/2" Drive 207
Switch 655, 662
Swivel, 1/4" Drive 122
Swivel, 3/8" Drive 165–166, 371–372
Swivel, 1/2" Drive 204, 418
Tap 381–382
Thermal Vacuum Switch 662
Thin Wall.....203, 220, 227, 418
Tie Rod 593

TORX®, TORX Plus®, 1/4" Drive 114–115, 117–119, 130–131, 628
TORX®, TORX Plus®, 3/8" Drive 150–151, 155–156, 168, 178–179
TORX®, TORX Plus®, 1/2" Drive 193, 195, 204, 206, 211
TORX®, TORX Plus®, 3/4" Drive ..216
Trays 85–87
Twist, 1/4" Drive 130
Twist, 3/8" Drive.....167
Twist, 1/2" Drive 204
Twist, External Drive Hex Head.. 384
Universal, 1/4" Drive.....113–117, 119
Universal, 3/8" Drive 149–152
Wrench, Aviation 426
Socket Drivers
Ball Hex, 1/4" Drive..... 119–120
Ball Hex, 3/8" Drive 157–159
Ball Hex, 1/2" Drive.....196
Clutch, 1/4" Drive 121
Clutch, 3/8" Drive.....160
Double Hex, 1/4" Drive..... 117
Double Hex, 3/8" Drive 154, 158
Double Hex, 1/2" Drive.....196
Flat Tip, 1/4" Drive 120, 133–134
Flat Tip, 3/8" Drive.....160
Flat Tip, 1/2" Drive 198
Hex, 1/4" Drive 119–120, 132–135
Hex, 3/8" Drive... 157–159, 168, 179, 181
Hex, 1/2" Drive 196, 207, 211–212
Hex, 3/4" Drive.....216–217
Hex, 1" Drive..... 224
Holder 113
Metric Hex, 1/4" Drive 119, 132, 134–135
Metric Hex, 3/8" Drive 157, 168, 179, 181
Metric Hex, 1/2" Drive 196, 211–212
Metric Hex, 3/4" Drive.....216
Mortorq®, 1/4" Drive 120
Mortorq®, 3/8" Drive 160
Phillips®, 1/4" Drive.... 121, 133–134
Phillips®, 3/8" Drive 160
Phillips®, 1/2" Drive 198
Polydrive Head Bolt, 1/2" Drive ..198
Pozidriv®, 3/8" Drive..... 160, 180
Screwdriver..... 120–121, 133–134, 160, 198
Set 117–120, 131–135, 155–159, 180–181, 196–197, 212
Special Purpose, Application... 120, 156, 160, 198
Stubby, 1/4" Drive 117, 119–120, 131–134
Stubby, 3/8" Drive.....157–158
Stubby, 1/2" Drive 197
TORX®, TORX Plus®, 1/4" Drive 117–119, 123, 131, 135
TORX®, TORX Plus®, 3/8" Drive 155–156, 168, 179, 181
TORX®, TORX Plus®, 1/2" Drive 195, 206, 211–212
TORX®, TORX Plus®, 3/4" Drive ..216
TORX® Tamper-Resistant, 1/4" Drive 118–119, 131, 134
TORX® Tamper-Resistant, 3/8" Drive..... 156, 179–180
TORX® Tamper-Resistant, 1/2" Drive 211–212
Triple Square, 1/4" Drive 133
Triple Square, 3/8" Drive.... 159, 180
Triple Square, 1/2" Drive 197
Universal, Hex 1/4" Drive..... 119
Universal, TORX® 1/4" Drive..... 117
Soft Face Hammers 355, 588
Software
A/C Service Center Update 619
Brake.....769, 772–773
Engine 769, 772–773
European Vehicle.....744–749, 751–758, 764
Heavy Duty Truck 769, 772–773
TPMS.....574–575
Tractor-Trailer.....765, 772–773
Transmission..... 769, 773
Soldering
Accessories.....561
Tips 560
Tools 558–561
SOLUS™
Accessories..... 758, 763
SOLUS™ Edge
Accessories.....746, 754, 758, 763
Scan Tool 746, 750
Storage..... 763
SOLUS PRO®
Accessories..... 758, 763
Storage..... 763
SOLUS Ultra®
Accessories.....754, 758, 763
Storage..... 763
Spanner Wrenches.....274, 628
Spark Plug
Boot Puller, Pliers..... 370
Extractor..... 370
File.....371
Firing Indicator.....371
Flexible Extensions.....371
Gap Gauges 680
Hole Rethreaders..... 376
Hole Tap 376
Pliers..... 370
Repair Kits 371
Socket 371–373, 420
Tools 370–373
Spark Test Screwdrivers..... 306
Special Purpose/Application
Bit Socket 120, 156, 160, 198
Cutter 335, 429
Drill Bits.....493–495
Motorcycle Tools 420–422
Pliers..... 335–337, 599
Ratchet.....142, 187
Screwdriver..... 311–313
Socket, 1/4" Drive..... 116–117, 120, 123
Socket, 3/8" Drive 153–154, 156, 166–167
Socket, 1/2" Drive.....194, 204–205
Socket, 3/4" Drive 216
Socket, 1" Drive 227
Socket, Aviation 426
Socket, Axle Nut 584–585
Socket, Ball Joint 590
Socket, Diesel 407–409, 411–415
Socket, Diesel Injector 414
Socket, Fuel Pressure Sensor .. 412, 414, 417, 544
Socket, Heavy Duty Truck ...417–419
Socket, Spark Plug 371–373, 420
Wrench, Chain.....274
Wrench, High Performance, Spline . 238, 249, 251–253
Wrench, L-Shape TORX® 267, 271
Wrench, Spanners 274, 628
Wrench, Specialty Box 253–254
Wrench, Strap 274, 646–647
Wrench, Valve Persuader... 274, 427
Specialty
Aviation Tools.....423–427
Circuit Tester 520
Meter..... 534
Ratchet.....142, 18
Test Light 520
Tire and Wheel 580–587
Wrench 253–254, 425–427, 429
Speeder
1/4" Drive 107
3/8" Drive 143
1/2" Drive..... 188
Locking..... 188
Shank.....315
Spicer Clutch Adjusting Tool 600
Spindle Rethreaders 375–376
Spinner Ratchet..... 106, 127, 142, 176, 187
Spline
Box Wrenches 238, 253
Combination Wrenches 249
Drive, #5 ..... 224, 228, 232
Multi- 271
Ratcheting Box Wrenches..... 238
Socket, 1/4" Drive..... 116
Socket, 3/8" Drive 152
Socket, 1/2" Drive..... 194, 407
Socket, 3/4" Drive 216
Socket, 1" Drive 223
Torque Adaptor 154–155, 195
Wrench 238, 249, 253
Spool Gun 554

Spoons 699
Spot Weld
Air Hammer Bits 501
Cutter 707
Drill 473
Drill Bits..... 473, 707
Welders 566
Spray Gun
Accessories..... 708–710
Detail 708
Full Size, Conventional..... 708
Full Size, HVLP..... 708
Spring Compressor
MacPherson..... 593
Valve Spring..... 664
Spring Tools 313, 689–690, 693
Spud Ratchet..... 187
Square Drive
Adaptor, 1/4" Drive..... 109, 123, 144
Adaptor, 3/8" Drive 109, 144, 168
Adaptor, 1/2" Drive 109, 144, 190
Adaptor, 3/4" Drive 215, 217
Adaptor, 1" Drive 223–224
Adaptor, 1 1/2" Drive..... 228
Adaptor, Nonconductive, Composite 348
Adaptor, Spline Drive..154–155, 228
Heads, Torque Wrench 287
Squares 681
S-Shaped Box Wrenches..... 254
Stainless Steel Tops 72
Stand
Jack 601, 603–604
Shop Manual..... 93
Starter
Current Ammeter 513
Punches..... 351–353
Remote Control..... 614
Steel Rules 682
Steel Stamping Sets..... 353
Steering Wheel
Lock Plate Depressor 393
Pivot Pin Puller..... 393
Pullers 393
Step
Drills 495
Plates 717
Stools..... 95
Stethoscopes
Electronic..... 530–531
Mechanic's 531
Stones, Brake 576
Stools, Work..... 95
Storage
Box, Metal 70, 95
Box, Plastic..... 68–69
Cabinet, End, Classic Series 48
Cabinet, End, EPIQ Series..... 20
Cabinet, End, Heritage Series..... 55
Cabinet, End, Masters Series..... 32–34
Cabinet, Wall..... 69
Cabinets, Flammables..... 711
Case, Parts..... 68
Combinations..... 10–55
Diagnostic Tools . 763, 770–771, 774
Drawer..... 68–70
Drawer Sections, EPIQ Series 19
Drawer Sections, Heritage Series 54
Lockers, Classic Series..... 48
Lockers, EPIQ Series 20
Lockers, Heritage Series 55
Lockers, Masters Series 35–36
Lockers, TUVs..... 37–39
Overhead Cabinet, EPIQ Series ... 20
Overhead Cabinet, Masters Series.. 32
Roll Cabs, Classic Series 44–46
Roll Cabs, EPIQ Series..... 10–17
Roll Cabs, Heritage Series 50–52
Roll Cabs, Masters Series..... 24–29
Top Chests, Classic Series..... 47
Top Chests, EPIQ Series 18
Top Chests, Heritage Series...52–54
Top Chests, Masters Series ...30–31
Strap Wrench..... 274, 646–647
Striking
Prybar 330–331
Scraper..... 365
Strut 593
Stubby Bit Sockets
Hex..... 119–120, 132–133, 157–158
Phillips® 133
TORX®..... 117, 131
Triple Square..... 133, 197
Stud
Gun 566
Remover 386–387
Suction Cups, Body.....702, 704
Suction Cups, Valve 663
Suction Gun, Oil..... 651
Supplies, Cleaning..... 95
Surface Drive Sockets, 3/8" Drive..169
Surface Drive Sockets, 1/2" Drive . 207
Suspension Strut Tools..... 593
Swiss Needle Files 364
Swivel
Ball Extension 154
Ball Universal Joint 121, 162, 199, 217, 224, 228
Connector, Air 505
Extension.....162
Socket, 1/4" Drive.....122
Socket, 3/8" Drive..... 165–166, 371–372
Socket, 1/2" Drive..... 204, 417
Swivel Head Ratchets..... 104, 141
Swivel Sockets
1/4" Drive 122
3/8" Drive..... 165–166, 371–372
1/2" Drive..... 204, 417
System Analyzers, A/C 617–618

T

TPMS Tools.....574–575
T-Shape, L-Shape Wrenches..... 266–268, 270–271
Tables, Transmission 652
Tach, Advance Timing Light 535
Tachometers 534
Tailpipe Tools 367, 591
Talon Grip™ Pliers 334, 336–337
Tamper-Resistant
Bit..... 327
Bit Socket 118–119, 131, 134, 156, 179–180, 211–212
Screwdriver.....310
Wrench 267, 271
Tap Socket 381–382
Tap Wrench 382
Tape Measures 682
Tape Rules 682
Tapered Reamer..... 496
Taps and Dies
Rethreading 374–376
Self Aligning 380–381
Threading 378–382
Techwrench..... 278
Telescoping Gauge Set..... 675
Telescoping Mirrors 685–686
Telescoping Pick-up Tools.... 683–684
Temperature
Adaptor 514
Probe.....514
Terminal
Brush 614
Cleaner.....614–615
Crimpers.....343–344
Tool, Battery 614–615
Tool, Computer, Wiring..... 536–537
Tool, Soft Grip 537
Tool, Wire..... 536–537
Test Equipment
Battery System..... 607–611
Circuit.....519–523, 628
Force Testing.....294, 298
Fuel System..... 544
Fuse 522
Ignition..... 551
Injector Harness.....545
Test Lights 519–520, 628
Torque 294–300
Test Gauges, Micrometer..... 675
Test Leads..... 514–517, 521, 753, 760
Test Lights 519–520, 628
Tester
Automotive Relay..... 534
Battery Systems 610–611

Circuit..... 518–520, 523, 628
Cooling..... 631–634
Injection Harness 545
Oxygen Sensor 527, 762
Lights, Test 518–520, 628
TPMS.....574–575
Trailer Harness..... 523
T-Handle, T-Shape
Screwdriver..... 315
Sliding, 1/4" Drive 107
Sliding, 3/8" Drive.....143
Sliding, 1/2" Drive 188
Sliding, 3/4" Drive.....214
Sliding, 1" Drive..... 223
Sliding, 1 1/2" Drive 227
Speed Drivers, 1/4" Drive ...128, 176
Speed Drivers, 3/8" Drive...128, 176
Speed Drivers, 1/2" Drive 210
Torque Wrench 283
Wrench 266–268
Wrench, Ratcheting Box 239
Wrench, Threading 382
Thermal Vacuum Switch Sockets .. 662
Thermometer
Digital 627
Hydrometer.....615
Infrared 532–533
Pocket 627
Thin Wall Impact Sockets
1/2" Drive..... 203, 418
3/4" Drive 220, 418
1" Drive 227
Thread
Chasers 375–376
Files 375
Gauge..... 376
Pitch Gauge 378–379, 381–382, 681
Restoring 374–376
THUNDERBIT® 490
Tie Rod
Adjusting Tools 592
Separators..... 590
Socket 593
Timing
Gauge, Diesel..... 407
Lights 422, 535
Tools 653–654, 658, 661
Tin Snips..... 698
Tip Drill 496
Tire, Wheel Tools.....576–588
Tire
Balancer, Plates 571
Bead Breakers..... 573, 587
Changer.....422, 570,572
Changer, Accessories..... 570, 573
Depth Gauge 422, 579
Hammer, Mallet..... 571
Inflator 576
Pressure Gauges 576–578
Pressure Monitoring 574–578
Spreader, Motorcycle.....421
TPMS Tools 574–575
Tread Depth Gauge 422, 579
Valve and Stem Tools 575, 579
Tire Changers 422, 570,572
Tongs, Fuse 536
Tool Control Board 396
Tool Control Kits 88
Tool Holders 84–88
Tool Storage
Accessories..... 38–40, 68–98
Accessories, TUV 38–40
All Weather, Tool Box 62
Aviation “Dog Boxes” 63
Bags, Soft Sided..... 71, 506
Boxes, Small 68–70
Cabinet Locks.....95, 98
Carts 57–60, 64–66, 564
Casters 98
Classic Series..... 44–48
Cleaning Supplies 95
Combinations.....10–55
Covers 37–40, 59, 61, 64–65, 74–75
Customization 78–82
Detent Kits..... 97
Drawer Dividers.....91–93
Drawer Latches..... 97
Drawer Section, EPIQ Series 19
Drawer Section, Heritage Series . 54
Drawer Slides..... 97
End Cabs, Classic Series 48
End Cabs, EPIQ Series..... 20
End Cabs, Heritage Series 55
End Cabs, Masters Series..... 32–34
EPIQ Series 10–20
Foam Organizers, Diagnostics 745, 747, 749, 751, 756, 763, 770, 774
Heritage Series.....50–55
Lights 59, 82–83, 93
Lock Assemblies.....98
Lockers, Classic Series.....48
Lockers, EPIQ Series 20
Lockers, Heritage Series 55
Lockers, Masters Series 35–36
Maintenance 95, 97–98
Masters Series 24–36
Mats.....40, 73, 96
Metal Boxes 70, 95
Mobile Solutions 57–66
Overhead Cabinets, EPIQ Series..20
Overhead Cabinets, Masters Series.....32
Parts Trays 90, 93–94
Plastic Boxes.....68–69
PowerCab™ End Cabinet 34
Road Chest.....61–62
Roll Cabs, Classic Series 44–46
Roll Cabs, EPIQ Series..... 10–17
Roll Cabs, Heritage Series 50–52
Roll Cabs, Masters Series..... 24–29
Roll Cabs, Reference Chart 6
Roll Carts 57–60, 64–66, 564
Silhouettes, Magnetic.....89
Top Chests, Classic Series..... 47
Top Chests, EPIQ Series 18
Top Chests, Heritage Series...52–54
Top Chests, Masters Series ...30–31
TUV (Tool Utility Vehicle) 37–40
Work Surfaces 72–73
WorkCenters, EPIQ Series..... 20
WorkCenters, Masters Series.....31
WorkStation Accessories..... 37–40
WorkStation Risers, Classic Series.....48
Tool Utility Vehicles (TUV)..... 37–40
Top Chest
Classic Series..... 47
EPIQ Series 18
Heritage Series.....52–54
Masters Series 30–31
Torches
Butane Soldering.....561
Welding 554–556
TORQOMETER® Wrenches 281–284
Torque
Acquisition Meter 295
Adaptor 154–155, 195, 419
Adjustable Bodies 277, 286
Angle Gauges.....284, 422
Calibrator..... 296–299
Comparator..... 300
Controltech 277
Driver 284–285
Electronic..... 293
Electronic Calibrator 296–299
Electronic Testers 294, 296–299
Electronic Wrenches 293
Filter, Regulator, Lubricator 301
Joint Rate Simulator Adaptors... 299
Multiplier Motor 293
Multipliers 292–293
QC Series 286
QD Series 279–280, 286
Reaction Arms 301
Screwdrivers 285
Sticks 580
TechAngle® 276
Techwrench®..... 278
Tester 294–299
Torqometer®.....281–284
TQ Series 280–281
TTC Series..... 297
Versatest™ 296
Versatorq® 295
Versatorq1®..... 295
Weights and Trays 299
Wrenches...276–283, 286, 293, 301
Wrenches, Pneumatic 301
TORX®, TORX Plus®
Bits 319–322, 324–327
Bits, Ratcheting, Screwdriver Sets.. 316–317
Bits, Sets 113, 319–322

Bit Socket, 1/4" Drive.....117–119, 123, 131, 135
Bit Socket, 3/8" Drive 155–156, 168, 179, 181
Bit Socket, 1/2" Drive.....195, 206, 211–212
Bit Socket, 3/4" Drive 216
Driver 168, 408
Impact Sockets, 3/8" Drive.....166
Impact Sockets, 1/2" Drive 204
Miniature..... 308, 310
Mini-Tip Screwdrivers 308, 310
Screwdriver..... 308–311
Socket, 1/4" Drive 114–115, 117–119, 130–131, 628
Socket, 3/8" Drive 150–151, 155–156
Socket, 1/2" Drive..... 193, 195, 206, 211–212
Socket, 3/4" Drive 220
Tamper Resistant, Bit..... 327
Tamper Resistant, Bit Socket 118–119, 131, 134, 156, 179–180, 211–212
Tamper Resistant, L-Shape Wrench 267, 271
Tamper Resistant, Screwdriver...310
Universal, 1/4" Drive..... 115
Universal, 3/8" Drive 151
Wrenches, Box 253, 598
Wrenches, Folding Sets..... 269
Wrenches, L-Shape 271
Wrenches, T-Shape 267
Tote Bags 71, 506
Tote Trays.....69
Touch-up Paint 97
Trailer Testers, Lights and Brakes. 523
Training Manuals..... 740
Transducer 298, 745, 747, 749, 751, 753, 756, 759
Transducers
Diagnostic 298, 745, 747, 749, 751, 753, 756, 759
Torque 298
Transfer Punches 353
Transmission
Bushing, Oil Seal Pullers and Driver 599
Drain Plug Socket 599
Filler..... 649
Jacks 604
Oil Cooler Line Disconnect Tool. 598
Oil Pressure Gauge Set 598
Pump Puller 600
Seal, Bushing Installers and Removers.....599
Service Set..... 598–600
Snap Ring Pliers 599
Software 769, 773
Tables..... 652
Tools 598–600
Trays
Service, Under Hood..... 66
Sliding..... 94
Socket 85–87
Torque 299
Tote 69
Tread Depth Gauges..... 422, 579
Trim Pad Removers 700–702
Triple Square Bit Sockets..... 133–134, 159, 197, 583
Trouble Lights 640–643
Truck Brake Tools..... 417, 691–695
Truck, Heavy Duty 417–419
T-Shape Hex Wrenches 266–268
T-Shape Wrenches 266–268
Tube
Bender 368
Cutter 368
Flaring 368
Tune-up Tools 550–551
Tweezers.....561
Twist Sockets
1/4" Drive 130
3/8" Drive.....167
1/2" Drive..... 204, 581
External Drive Hex Head 384

U

US Set Building Program 431–435
Ultra-Violet Leak Detectors ... 621–623
Universal
Bit Socket 323, 348
Joint, 1/4" Drive..... 109, 128, 145
Joint, 3/8" Drive 109, 144–145, 162, 168, 177
Joint, 1/2" Drive... 109, 145, 190, 210
Joint, 3/4" Drive 215, 217
Joint, 1" Drive 224
Joint Press.....589, 600
Joint Set.....109, 145, 190, 199
Joint Tools..... 585, 589, 596, 600, 650, 656
Socket, 1/4" Drive.....113–117, 119
Socket, 3/8" Drive 149–152
Socket, 1/2" Drive.....193
Valve Core Service Tool 628
Utility
Knife 360–362
Lights 641–642
Stands..... 603
Vehicle, Tool Utility (TUV) 37–40
USB Power Unit..... 458

V

Vacuum
Adaptor 496
Handheld..... 726
Portable Spotter 727
Pressure Gauge 541
Pumps 542, 619, 625, 686
Sandblaster 713
Wet, Dry..... 727
Valve
A/C..... 626, 628
Adjuster Socket 419
Adjuster Wrench 419
Adjusting Tools 662, 679
Air 506, 709
Brushes 663
Camshaft, Crankshaft Tools..... 663
Compressors..... 664
Core 575, 579, 626, 628
Cover Bolt Socket 662
General Service 662–665
Guide Service Tools 501, 663
Holders..... 663
Keeper Tools 663
Lifters..... 664
Persuader 274, 427
Removers..... 321, 663
Service Tools..... 662–665
Spring Depressors..... 664
Spring Replacement 665
Stem Seal Pliers 663
Vantage PRO™
Accessories..... 759–761, 763
Storage..... 763
VANTAGE® Ultra Accessories 745, 759–761, 763
Scan Tool 745, 750
Storage..... 763
VERDICT™
Accessories..... 753, 758–761, 763
Scan Tool 748, 750
Storage..... 763
VersaTest™ 296
VersaTorq® 295
VersaTorq1®..... 295
VERUS®, Accessories..... 752, 758–761
VERUS® PRO
Accessories.....749, 751, 759–761, 763
Scan Tool 749–750
Storage..... 763
Vibro Gun 424
Video Scopes.....528–530
Vinyl Covers
Air Tool, Boots..... 488
Equipment, A/C Recycling, Recharging 619
Equipment, Battery Charger 607–608, 610
Equipment, Smoke Machine..... 524
Equipment, Welding Cable 556
Motorcycle Gas Tank..... 421, 670
Seat and Fender 670
Tool Storage, Combinations... 74–75
Tool Storage, Road Chests..... 61, 75
Tool Storage, Roll Carts 75
Tool Storage, TUV (Tool Utility Vehicle) 37–40
Vise
Bench 715–716
Forged 716
High Visibility..... 715

Jaw Caps 716
Machinist's 715
Mechanic's 715
Pipe and Bench 715
Utility 715
Voltage Adaptor 513
Voltage Sensor 523
Volt-Ohm Meter 748–749

W

Wall Cabinets 69
Waste Oil Drains 652
Water Pump Socket 657
Water Spray Nozzle 724
Waveform Demonstration Tool 759
Wax 95
Weatherhead Sockets 154, 194
Weight
  Hangers, Trays 299
  Sets 299
Welding
  Cart 60, 564
  Clamps 564–565
  Creeper 671
  Dent Pullers 452, 566–567
  Gas Welding Kits 558
  Gloves, Sleeves 558
  Goggles 558
  Helmets 562–563, 729
  MIG 553–555
  MIG Welder Consumables 555
  Muscle MIG, MIG Welder Accessories 554–555
  Plasma Cutter 557
  Spot 555, 566
  Stud Gun Dent Puller 566
  TIG, TIG Accessories 555–556
  Torches, Flexible Neck 554
Wet Sleeve Puller 408
Wet, Dry Vacuums 727
Wheel
  Alignment Tools 589–593
  Axle Nut Socket 584–585
  Balancer 422, 569–570
  Balancer Pin Plates 571
  Balancing Accessories 569, 571
  Balancing Equipment 422, 569–570
  Bead Breakers 573, 587
  Bearing Packers 651
  Budd Wheel Tools 587
  Calibration 298–299
  Chock 588
  Cut Off 452, 478–479, 498
  Cutter, Piston Service 666
  Cutter, Power Tool Accessories 498
  Cutter, Tubing 368
  Dollies 603
  Dresser 740
  Flap 497–498
  Flip Socket 581–582
  General Service Tools 588
  Grinding 496–499
  Hangers 583
  Hub Lock Tool 585
  Hub Puller 595
  Hub Removal Adaptor 595
  Lock Socket 583
  Lug Nut Sockets 226–227, 417–418, 581–583
  Pan 588
  Pin Plate Sets 571
  Puller 393
  Rim Tools 588
  Seal Driver 667–669
  Shackle Pin 586
  Socket 420, 581–587
  Spanner Socket 584
  Stud Kit 587
  Tools 576–588
  Torque Tools 580, 583
  Weight Cabinet 571
  Weight Hammer 571
  Weight Pliers 571
  Wire 497, 739
Window
  Holder 704
  Removal Tools 704
  Sash Tool 704
  Scrapers 704
Windshield
  Removal Tools 704
  Tools 704
  Wiper Remover 704
Wire
  Brush 497, 551, 615, 738
  Crimper 343–344
  Cutter 343–344, 423, 588
  Feed Welders 553–554
  Feed Welders, Accessories 554–555, 564
  Gauge Drill Bits 492
  Looper Pliers 341
  Safety 424
  Stripper 343–344
  Terminal Kit 537
  Terminal Tool 537
  Twisters, Cutters 423
  Wheel 497, 739
Wire Gauge Drill Bits 492
Wireless Printer 527, 611
Wobble
  Bit 324
  Extensions, 1/4" Drive 108
  Extensions, 3/8" Drive 144
  Extensions, 1/2" Drive 189
Wood Tops 72
Work
  Bench 652, 717
  Centers, EPIQ Series 20
  Centers, Masters Series 31
  Gloves 558, 732–735
  Stations, Classic Series 48
  Stools 95, 673
  Surface, Tool Storage 72–73
Workbenches 652, 717
WorkCenter
  Accessories 93–95
  EPIQ Series 20
  Masters Series 31
WorkStation
  Accessories 93–95
  Mobile 57
  Riser, Classic Series 48
Wrecking Bar 332
Wrench
  Adaptors, Ratcheting 237
  Adjustable 272–274
  Adjustable, Crowfoot 261
  Adjustable, Oil Filter 646–647
  Adjustable, Spanners 274, 628
  Adjustable, Strap 274, 646–647
  Adjustable, Valve Persuader 427
  Air Compressor 409
  Aluminum .. 256, 272–273, 277, 285
  Angle Head 256, 410
  Antenna 706
  Aviation, Socket 426
  Ball Hex 266–267, 269–270
  Battery Terminal 614–615
  Box, Combination 234–237, 241–249
  Box, Double 238–240, 249–254
  Box, High Performance 251–252
  Box, Nonconductive Ratcheting 349
  Box, Ratcheting 238–240, 261
  Box, Ratcheting Combination 234–237
  Box, Ratcheting Crowfoot 261
  Box, Ratcheting Double 238–240
  Box, Ratcheting Flex Head 236–237, 241
  Box, Ratcheting High Performance 238
  Box, Ratcheting Spline 238
  Box, Ratcheting T-Handle 239
  Box, Specialty 253–254
  Box, Spline 238, 253
  Box, Striking 263–264
  Box, Torque Interchangeable Head 287–289
  Box, Tubular 265
  British Standard 248
  Caster Camber 591
  Chain, Strap 274
  Combination 234–237, 241–249
  Combination, Flare Nut 257
  Combination, Flex-Combination 237, 248
  Combination, Hex, TORX® 269

Combination, Ratcheting Box 234–237
Combination, Spline 249
Combination, T-Shape, L-Shape..... 266–267
Crowfoot –1/4" Drive 258
Crowfoot –3/8" Drive..... 258–261
Crowfoot –1/2" Drive 261–262
Distributor 550
Double End 254, 257
Fan 409, 411, 415
Fan Clutch, Cooling.....634–635
Fan Clutch, Diesel..... 409, 411, 415
Flank Drive®, Flank Drive® Plus, Adjustable 272
Flank Drive®, Flank Drive® Plus, Combination ..234–235, 241–248
Flank Drive®, Flank Drive® Plus, Flare Nut..... 257
Flank Drive®, Flank Drive® Plus, Flare Nut, Crowfoot, 1/4" Drive ... 258
Flank Drive®, Flank Drive® Plus, Flare Nut, Crowfoot, 3/8" Drive ... 258–261
Flank Drive®, Flank Drive® Plus, Flare Nut, Crowfoot, 1/2" Drive 261–262
Flank Drive®, Flank Drive® Plus, Flex Head.....248
Flank Drive®, Flank Drive® Plus, High Performance...238, 251–252
Flank Drive®, Flank Drive® Plus, Offset Box..... 249–252
Flank Drive®, Flank Drive® Plus, Open End Crowfoot..... 258, 260, 262
Flank Drive®, Flank Drive® Plus, Ratcheting Box..... 234–235, 238
Flank Drive®, Flank Drive® Plus, Specialty Box 253–254
Flank Drive®, Flank Drive® Plus, Striking/Slugging..... 263–264
Flare Nut 257, 258, 260, 262
Flare Nut, Crowfoot... 258, 260, 262
Flare Nut, Torque Interchangeable Head 291–292
Flat..... 634
Flex Head, Combination 237, 248
Flex Head, Ratcheting Box..237, 241
Four Way..... 256
Fuel Filter..... 412, 544
Fuel Pump..... 409, 425
Governor Gap.....410–411
Half Moon 253
Headlight..... 707
Heavy Duty.....263–265
Heavy Duty, Impact..... 467–468
Hex, Combination T and L-Shape 266–267
Hex, Ratcheting..... 420
High Performance..... 238, 251–252
Ignition.....255
Impact, Air 464, 466–470
Impact, Cordless 445, 447–449, 453, 456
Impact, Electric 460
Injector..... 409
L-Shape 266–267, 269–271
Latch-on®..... 240
Midget.....237, 248, 250
Multi-Spline 271
Nonconductive 349
Oil Filter..... 412, 425, 646–647
Open End..... 254–257
Open End, Combination ...234–237, 241–249
Open End, Crowfoot.....258–262
Open End, Flare Nut Combination ... 257
Open End, Flex Combination.... 237, 248
Open End, Ratcheting Box..... 234–237
Open End, Spline..... 249
Open End, Torque Interchangeable Head 290–291
Open End, Tubular..... 265
Organizer..... 87–88
Persuaders, Valve..... 274, 427
Pipe..... 272, 427
Pliers..... 273
Push Rod 411
Radiator Cap 630
Railroad..... 301, 429
Ratcheting, Open End 234–237
Ratcheting Box, A/C Service 628
Ratcheting Box, Battery Terminal.... 615
Ratcheting Box, Combination 234–237
Ratcheting Box, Crowfoot.....261
Ratcheting Box, Double Box..... 238–240
Ratcheting Box, High Performance . 238
Ratcheting Box, Nonconductive 349
Ratcheting Box, Spline..... 238
Ratcheting Box, T-Handle 239
Ratcheting Box, Torque Interchangeable Head.....287
Refrigeration..... 628
S-Shape..... 254
Serpentine Belt 412, 658
Set 234–264
Slimline..... 255, 272
Spanners..... 274, 628
Special Purpose, Application.....274
Specialty 253–254
Spline.....238, 249, 253
Stands..... 268
Strap 274, 646–647
Striking 263–264
Swivel..... 647
Tamper-Resistant 267, 271
Tap..... 382
T-Handle, T-Shape 239, 266–268
T-Shape, Hex..... 266–268
T-Shape, TORX® 267
Torque 276–286, 293, 301
Torque, Pneumatic.....301
TORX®, TORX Plus®, Box 253, 598
TORX®, TORX Plus®, Folding Sets.....269
TORX®, TORX Plus®, L-Shape.... 267, 271
TORX®, TORX Plus®, T-Shape..... 267
Tubular..... 265
Turbo, Diesel.....413
Vacuum Pump 425
Valve Adjuster 419

XYZ

X4, Multipliers..... 293

OEM
Application List

BMW®/Mercedes Benz®

Body

102STMML.....1/4 2PC BU..... 111, 701
106FLIPSET .....1/4DR 6PC ME..... 117
AWSGTRP20 .....MER MIR 267
FLCE120 .....3/8DR E12..... 151, 701
RRT105.....CAR STER R 706
S6810.....10MM FLIP SCK 117

Brake

BBW1270 .....3PC 11MM BRK B 694
FSE200 .....E20 UNVRSAL..... 151
S6111 .....BRK WR 11M 694

Cooling System

HCP10.....PLIERS 635
RCR1.....RAD CP REM.....630
SVT275 .....COOL SYST.....633
TA245A .....RAD TES.....632
TA246A.....RAD TES.....632
TA32A.....RAD TES.....632
TA33A.....RAD TES.....632
TA345A .....RAD TES.....632
TA346A.....RAD TES.....632
TA44 .....RAD TES.....632
TA445 .....RAD ADAP BMW 632
TA446.....RAD CP ADAP 632
TA45 .....RAD CP 632
TAB10044 .....RAD ADAP MER 633
TAB10345.....RAD ADAP BMW 633
YA6210 .....BMW FAN CLUT 634

Diagnostics

EETM306A09 .....COIL ON PLUG 761
EETM306A10.....COIL ON PLUG 761
EETM306A11 .....COIL ON PLUG 761
EETM306A12.....COIL ON PLUG 761

Diesel
EEDF400-8.....EGR/IND CLNSYS.... 416
S6104B.....FUEL INJ SOC 415

Engine Service
ADT30KT.....ALT PULLEY KIT 657
FSE180 .....E18 UNIVERSA..... 151
IMSLE240 .....E24 TORX IMP 204
MCH1280.....MER CAM HOL.....654
SBIT2.....STRETCH BELT 659
SBT60.....SERP BELT WRN.....659
STLE80 .....1/4DR DEE.....114
TSE80.....UNIV INTRNL 115
TSS7KIT .....TRIPLE SQU.....159, 197

Fuel & Engine Systems
IPK1180.....FUEL INJ PULLER 544
LDTJT5.....JIFFY-TITE SET 547

Lubrication
106FLIPSET .....1/4DR 6PC ME..... 117
A127 .....27MM OIL FIL 645
S3624 .....36/24MM 414, 645
S6810.....10MM FLIP SOCK..... 117

Miscellaneous Tools
305STSMSE .....1/2 5PC ST..... 197
FABLM4E .....LONG BALL HE..... 158
FAM11E .....HEX DRIVER.....157
STLE70 .....E8 TORX SOCKET.....114

Spark Plug Tools
S9714MK .....14MM SPARK P.....373
S9714MKFUA 6PT 3/8DR 372
S9714MKL.....14MM SPARK P.....373
S9714MKMAG....14MM SPARK P.....372
SBP3 .....PLIERS 370

Testing & Electronics
SGTT110.....10PC TERMINA..... 537
SGTT5A.....TERMINAL TOO 537
SGTT6A.....TERMINAL TOO 537

Tire & Wheel
GAW1290.....ALIGN WRENCH 591
IMDM270.....27MM SOCKET.....200
IMDM320.....32MM 1/2 ..... 200, 585
IMDM410.....1/2 12PT..... 200, 590
SIMDM300 .....1/2DR 30M..... 202, 585
WHB1.....14MM X 1.25 WH.....583

Transmission/Drive Line
FHRM14 .....14MM 3/8DR.....599
FHRM7.....7MM 3/8DR 599
FHRM8.....8MM 3/8DR.....599
FLEPL100 .....10EPL TORX P 151
IMDM360 .....36MM 1/2D.... 200, 596
M3587 .....3/4DR PI 596

Chrysler®/Dodge®

Body
B1359B .....BRAKE RETAIN 693
B1467A.....BR WRENCH ...690, 694
BB300B39GC.....GM/CHRY ADAP 688
BB300B47G.....CHRY ADAPTOR 688
BT1360 .....BRAKE RETAIN 693
S6111 .....BRAKE WR 11M 694
YA8610B.....7PC BRAKE CA.....692

Brake
B1359B .....BR RET 693
B1467A.....BR WRENCH ...690, 694
BB300B39GC.....GM/CHR ADP 688
BB300B47G.....CHR ADP 688
BT1360 .....BR RET 693
S6111 .....BR WR 11M 694
YA8610B.....7PC BR CA.....692

Cooling System
HCP20 .....PLIERS 635
SVT262-28A.....COOL SYS 632
SVT262-29.....RAD CAP ADP 632
TA38C .....CAP ADP 632
TA39A.....44MM CAP ADP.....632
TA58 .....DODG SPRNT 632
TA59 .....DODG SPRNT 632
TAB10044 .....RAD ADP MER.....633
YA6160 .....FAN CLU W 634
YA9980.....PULLEY TOOL 634

Diagnostics
EETM306A04 .....COIL ON PLG 761
EETM306A14.....COP11 ADP 761

Diesel
A129 .....29MM FU FI..... 414
CJ140 .....DIES PUL.....409

Engine Service
A119B .....OIL PRES..... 655
A121A.....SOCKET 655
CGH1236.....CAM GR HLDR 654
CJ124A .....P/S PULL..... 394, 657
YA6490A .....HARM PUL.....394, 660
YA9350B.....SERP B.....658
YA9350B1 .....SERP B.....658

Fuel & Engine Systems
EEPV313C.....COMP ADPT ... 407, 540
FID8329.....NOID LIGHT..... 545
LDTJT5.....JIFFY-TITE SET 457

Lubrication
OFHON33.....HONDA OIL FI 648
OFKIT.....OIL FILTER KIT.....649

Miscellaneous Tools
STLE40 .....E4DEEPTORX.....114
STLE50 .....E5DEEPTORX.....114

Motorcycle Service Tools
S9704RHS .....13/16 RETE..... 373, 420
S9724RHS .....5/8 RETENT.... 373, 420

Pullers
CJ131P.....PULLER SET.....393
CJ134 .....PULLER 393

Spark Plug Tools
YA6845.....SPARK PLUG B.....371

Testing & Electronics
SGTT110.....10PC TERMINA..... 537
YA961 .....120V MEMORY 536

Tire & Wheel
BJP1.....BALL JNT P..... 589, 600
BJP1-18A .....BALL JNT ADPT.....589
BJP1-26A.....BALL JNT ADPT.....589
DHP1.....DODGE HUB PU..... 595
ITRS22.....22MM INNER T 593
LSR1000A .....WHEEL LOCK K 583
LSR1560 .....THINWALL FLI 581
LSR1570.....THNWALL FLP 581
LSRM2000.....MET LUGNU..... 581
S6109A.....SOCKET 584
S6146.....SOCKET 584
S9365B .....SOCKET 590
S9479A .....SOCKET 590
SIM540A.....DODGE AXLE 585
SIMDM300 .....1/2DR 30..... 202, 585
SNS2467 .....4 LUG 4WD SPIND .. 585
SNS2770 .....6 LUG 4WD SPIND .. 585
YA1005C .....LUGNUT RMVR 582
YA2218 .....18MM TIE ROD.....592
YA2223.....15.5MM TIE R.....592

Transmission/Drive Line
CJ193-1-1 .....TRS PUL ADPT 600
FHRM10 .....10MM 3/8DR 599
FHRM7.....7MM 3/8DR 599
IMDM360 .....36MM 1/2..... 200, 596
M3586.....3/4 DR.....596
M3587 .....3/4 DR PI 596
PRT600A.....TRANSMISSION.....599

Valve Service
YA188LR .....INSTALL HARM 660
YA188LR-3.....M14X1.5 SCREW 660
YA188LR-5.....M12X1.75 SCREW... 660
YA6490A .....HARM PULL....394, 660
YA9140B .....VALVE SPRING 664

Ford®

Body
102STMML.....1/4 2PC BU..... 111, 701
A161B .....DOOR TOOL 702
ASG185BR.....INSTINCT TRI 701
ASGD102BR .....2PC DISHED T..... 701
RRT105.....CAR STEREO R 706
S8703.....SOCKET 706
YA1201.....DR PL REM 700
YA7575.....FRD REMOVAL 706

Brake
B1359B .....BR RETAIN.....693
B1467A.....BR WRENCH ...690, 694
BT1360 .....BR RETAIN.....693
IMSLE180.....1/2DR E18 204
S6111 .....BR WR 11M 694
YA8610B.....7PC BRAKE CA.....692

Cooling System
HCP10.....PLIERS 635
HCP20 .....PLIERS 635
TA246A.....RAD TES.....632
TA32A.....RAD TES.....632
TA33A.....RAD TES.....632
TA34A.....RAD TES.....632
TA46.....RAD TES.....632
TA47 .....RAD CAP 632
TAB10034 .....RAD ADAP FOR 633
TAB10046 .....RAD ADAP FOR 633
YA6180 .....FAN CLUTCH.... 415, 635
YA9526 .....FAN WRENCH 634

Diesel
EEDF400-1 .....EGR ADP 416
EEDF400-2.....EGR ADP 416
EEDF400-11.....EGR ADP 416
FFW2 .....DUAL FUEL OI 412
FGPT.....FORD GLOW PL..... 412
K1820A.....T70 TORX SOC.....195
MB5D .....BRI BR 407, 408, 413
MB73A.....BRUSH..... 413
PSWT10K .....10MM POWERST 413
S6196KR.....FORD ICP SEN..... 412
S6210 .....3/8 DRIVE 413
S6340E.....T40 TORX SOC..... 414
TAP1225 .....TURB VANE PLR 413
YA1140 .....CRWFT SOC SET..... 414

Engine Service
A119B .....OIL PRESS..... 655
A121A.....SOCKET 655
ADT30KT.....ALT PULLEY KIT..... 657
CJ124A .....P/S PULLER.... 394, 657
FRT12 .....THREE VALVE ... 371, 656
FTXEL40E.....XTR LNG TORX..... 156
S6160 .....12MM 8IN L..... 417, 656
S6193 .....10MM SOCKET 656
S6194 .....12MM SOCK 417, 656
YA7200 .....MDULE WRNCH 661
YA9350B.....SERPENTINE B.....658

Fuel & Engine Systems
EEDF502 .....FUEL PRESS TEST....543
EEPV314C.....DIES COMP ADPT....540
EEPV317C.....DIES COMP ADPT....540
EEPV5G16T.....M16x1.5 TRIT 539
S8564B .....DIST WR..... 550
S9707.....DIST WR..... 550
SWR1.....OXYGEN SENSO 548
YA6465.....IGN WRENCH.....551

Heavy Duty Truck Tools
S6190A.....FORD IPR SOC 417
SRD35.....FORD DIESEL 419
SRDM624 .....LONG 24MM TO 419

Heavy Duty Vehicle Diagnostics
EEHD883048U...LT MED TRUCK..... 773
EEHD883048 .....LT MED TRUCK..... 773
EEHD883076 .....OBDII LIGHT 773

Lubrication
OFGMFORD.....GM AND FORD 648
OFHON33.....HONDA OIL FI 648
S3624 .....36/24 MM 414, 645
OFKIT.....OIL FILTER KIT.....649

Miscellaneous Tools
FTXR40TPE.....3/8DR T40 156

Motorcycle Service Tools
S9704RHS .....13/16 RETE..... 373, 420
S9724RHS .....5/8 RETE..... 373, 420

Pullers
CJ131P.....PULLER SET.....393
CJ132-8 .....INST 4.6L.....395
CJ134 .....PULLER.....393
CJ138 .....PULLEY INSTL.....394

Spark Plug Tools
FRT10 .....FORD SPK P.....371
FSPK.....FORD SPK P.....370
FSPPRK.....FORD PORC.....370
S9714MKL.....14MM SPK P.....373
S9714MKMAG....14MM SPK P.....372
S9716KA.....9/16 SPK.....373
S9716KL .....3/8DR 9/16.....372
S9716KLMAG .....9/16 SPK P.....372
S9716KR.....SPK PLUG S.....372
YA6845.....SPK PLUG B.....371

Testing & Electronics
SGTT110.....10PC TERM..... 537
YA500F .....FORD TERM..... 537

Tire & Wheel
ANS7269A .....AXLENUT SOCK 584
BJP1.....BALL JNT P..... 589, 600
BJP1-25A .....BALL JNT ADPT.....589
BJP1-27A .....BALL JNT ADPT.....589
FHP1 .....FORD HUB PUL..... 595
IMFMS21.....SEMI DEEP SK 163
IPFM21C.....3/8 21MM 6 165
IPLFM21A .....3/8DR DEE..... 166
IPSFM21A.....21MM SEMI DE..... 165
IPSM18 .....1/2DR 18MM S 204
IPSM21 .....21MM SEMI DE.....204
IPSM22.....1/2DR 22MM S 204
LSR1570.....THNWALL FLP 581
S6109A.....SOCKET 584
S6146 .....SOCKET 584
SIMML210.....1/2DR 21M 203, 583
SNS2467 .....4 LG 4WD SPIN..... 585
SNS2770 .....6 LG 4WD SPIN..... 585
SNS3195 .....4 LG W EXT SPIN 585
SNS3246 .....4 WD SPIN NUT..... 585
YA2224 .....TIE ROD WR.....592

Transmission/Drive Line
211EFTXRTPY .....TR TORX PLUS .. 119, 156
CJ193 .....PULLER SET..... 600
CJ193-1-1 .....TRS PUL ADPT 600
FIH9057B.....FD TRAN DISC.....598
IPDF12A .....3/8 12P..... 165
LDTM3812.....TRANS OIL CO 598
M3586.....3/4 DRIVE.....596
PFSXM914B .....14MM SIVEL E 154
PRT600A.....TRANSMISSION.....599
YA7244A.....TRANS TOOL 598
YA7646.....FORD CLUTCH 600

Valve Service
YA188LR .....INST HARM BAL..... 660
YA188LR-2.....M12X1.5 SCREW 660

GM®

Air Conditioning
ACT106B .....INSTALLER 627
ACTUVGUNP3.....PAG OIL.....125,622

Battery Service
YA249.....BOX WRENCH..... 615

Body
102STMML.....1/4 2PC BU..... 111, 701
A161B .....DOOR TOOL 702
A177A .....PAD TOOL 702
A179A .....PAD TOOL 702
ASGD102BR .....TRIM PAD SET..... 701
S6103A.....TRIM DRI.....702
S6810.....8MM 10MM FL SK.... 117
S9610.....SOCKET 704
S9614A.....TRIM DRI.....702
YA1201.....DR PL REM 700
YA6620.....GM DR HING.....703

Brake
B1467A.....BR WR.....690, 694
B1468.....BR TOOL 691
B1470 .....WRENCH 694
BB300B39GC.....GM/CHR ADP 688
BT10 .....BR SPR TOOL..... 689
BT13.....BR SPR INST.....N/A
BT1360 .....BR RET.....693
BT14 .....BR SPR REM .....N/A
BT27 .....GM BR SPR 689
S6110A .....BR WR.....690, 694
S6111 .....BR WR 11M 694
S8184.....BR WR.....694
STX70E .....T70 TORX SOC.....195
YA8610B .....7PC BR CA.....692

Cooling System
A4503A.....GM X AND J B.....632
HCR1.....HTR HOSE COU.....634
LDT4 .....JIFFY-TITE CON .....N/A
SVT262-28A.....COOL SYS 632
SVT262-29.....RAD CAP ADP 632
TA246A.....RAD TEST 632
TA32A .....RAD TEST 632
TA33A .....RAD TEST 632
TA34A .....RAD TEST 632
TA36GM.....RAT TEST A 632
TA37 .....CAP ADAP 632
TA38C .....CAP ADAP 632
TA39A .....44MM CAP ADAP....632
TA56 .....RAD ADAP CHE 632
TA57 .....SPRCHGR CAP.....632
TAB10034 .....RAD ADAP FOR 633
TAB10056 .....RAD ADAP CHE 633
YA6120 .....FAN CLCH W 635
YA6160 .....FAN CLCH W 634
YA6180 .....FAN CLCH W 415, 635
YA9980.....PULLEY TOOL 634

Diagnostics
EETM306A06 .....COIL IN CAP1 761

Diesel
IPK1170 .....INJ PLR KIT 415
M3503B.....SOCKET 411
S6122 .....SOCKET .....N/A
SWR3.....WATER SENSOR..... 414
TVS1240 .....TURBO VANE SOC....415
YA6925 .....GM DURAMAX F.....415

Engine Service
A119B .....OIL PRESSURE..... 655
A121A.....SOCKET 655
ADT30KT.....ALT PULLEY KIT..... 657
CJ124A .....P/S PULLER.... 394, 657

CJ147A .....GM PR STRG... 394, 657
SBT12 .....ECOTEC TENS 659
SAM10LE.....1/2D 10MM L..... 196
YA6490A .....HARM PUL.....394, 660
YA6555 .....GM OIL PMP 655
YA9350B.....SERP BELT.....658
YA9350B1 .....SERP BELT.....658

Fuel & Engine Systems

A227.....27MM SOCKET.....544
EEPV312D .....DIESEL COMP ADP..540
FID8320.....NOID LIGT 545
FID8339.....NOID LIGT 545
FID8340.....NOID LIGT 545
FIH500.....FUEL LINE DI.....544
FLR630 .....FUEL TANK TOOL.....544
LDTJT5.....JIFFY-TITE SET 547
M3515.....WRENCH 550
M3564C.....ADAPTOR 540
S6134 .....DIST WR..... 550
S9622 .....DIST WR..... 550
S9626 .....DIST WR..... 550
YA9375A .....OXY SENSO.....548

Lubrication

A106 .....OIL FILTER SOCK.....645
OFA35.....2PC ADPT SET..... 648
OFGMFORD.....GM AND FORD 648
OFKIT.....OIL FILT KIT.....649
OFTOY38.....TOY LEX 648
S3624 .....36/24 MM 414, 645
S9615A .....BOX WRENCH.....645

Miscellaneous Tools

207EFTXY.....TORX DR ST.....155
FLCE180 .....E18 TORX SOCK..... 151
FLEP180 .....18EP TORX PL 151
FTX47E.....47 TORX DRV..... 156
FTX47E2.....TORQ BIT 156
FTX500E2.....TORX BIT.....156, 206
GFTX500E .....TORX DRVR 156
IPSM15 .....1/2D 15M 204
PFMTS1E .....MTS1E SUP 160
PSTX500E .....TORX DRVR 206
SHORTORX.....TORX DRVR 316

Motorcycle Service Tools

S9704RHS .....13/16 RETE..... 373, 420
S9724RHS .....5/8 RET..... 373, 420

Pullers

CJ131P.....PULLER SET.....393
CJ132-6 .....INST GM 3.1L..... 395
CJ134 .....PULLER 393
CJ145 .....GM PULLER 393

Spark Plug Tools

S9723.....GM SPARK PLU..... 373

Testing & Electronics

EEFF500.....MAIN HARN.....521
GMSTB25.....GM MLTIFUNC 536
SGTT110.....10PC TERM..... 537
TT12KT.....TERM TL..... 537
YA500GM.....TERM TL..... 537
YAGM1 .....GM AIRBAG RE 536

Tire & Wheel

ANS1929A.....LCKNT WR 584
ANS1930.....LCKNT WR 584
BJP1 .....BALL JNT P..... 589, 600
CC6630 .....GM CAMB CA 591
IMFMS21.....SEMI DP SOC 163
IPFM21C.....3/8 21MM 6 165
IPSFM21A.....21MM SEM DP..... 165
IPSM21 .....21MM SEM DP.....204
IPSM22.....1/2D 22MM S 204
LSR1000A .....WHL LOCK K 583
LSR1560 .....THINWALL FLI 581
S6109A.....SOCKET 584
S6146.....SOCKET 584
SIMDM300 .....1/2D 30MM.... 202, 585
SIMM360TW.....1/2D 36MM.... 203, 585
SNS2467 .....4 LG 4WD SPDL 585
SNS2770 .....6 LG 4WD SPDL 585
SNS3246 .....4 WD SPDL NT 585
WA7500.....GM STRUT TL.....593
YA2223 .....15.5MM TIE R.....592
YA2224 .....TIE ROD WR.....592

Transmission/Drive Line

FHRM10 .....10MM 3/8D 599
FIH9057B.....FD TRAN DISC.....598
FLEL80.....3/8DR E8 151
FLEPL100 .....10EPL TORX P 151
IMDM360 .....36MM 1/2D.... 200, 596
IPDF12A .....3/8DR 12P..... 165
M3587 .....3/4DR PI 596
PFMTS4E.....MTS4E SPR 160
PRT600A.....TRANS 599
S6657.....1/2D 57MM 12 596
SRP1C .....PLRS.....599
YA3050 .....BOOT PLRS 596
YA3080.....BOOT PLRS 596
YA9348.....SEAL REM 600
YA9648.....GM TRAN TL 600

Valve Service

CJ146 .....PULL SET.....394, 660
S6132A .....SOCKET 656, 662
S6158 .....ENG BAR SKT.....662
YA188LR .....LNG RCH HAR BL ... 660
YA188LR-1 .....CEN SCR M16 660
YA6470.....GM HARM 660
YA6490A .....HARM PUL.....394, 660
YA6491A .....YA9740 UPD...394, 660
YA9140B .....VAL SPRG.....664

Honda®/Acura®

Body

DPTM10 .....8MM SOCKET..... 123
DPTM8.....10MM SOCKET 123

Brake

S6110A .....BRAKE WR.....690, 694
YA8610B.....7PC BRAKE CA.....692

Cooling System

SVT262-28A.....COOLING SYS 632
SVT262-29.....RAD CAP ADP 632
TA38C .....CAP ADP 632
TA39A .....44MM CAP ADP.....632
YA9190 .....UNV DRN SKT.....630

Diagnostics

EETM306A08 .....COP4 ADP A 761

Engine Service

ADT30KT.....ALT PUL KIT 657
S6193 .....10MM SOC.....656
S6194.....12MM SOC 417, 656
YA2675A .....SWIV ADP 605

Fuel & Engine Systems

S6154 .....OXY SEN WR.....548
S6176 .....OXY SENS SOC 548
SWR4 .....SHLD OXY 548

Lubrication

OFA33.....OIL FIL ADP..... 648
OFHON33.....HON OIL FI 648
OFKIT.....OIL FIL KIT 649

Miscellaneous Tools

DPSM16 .....16MM SOC.....205

Motorcycle Service Tools

HXD22 .....22MM HEX SOC.....420

Spark Plug Tools

S9714MKL.....14MM SPRK P..... 373
S9714MKMAG....14MM SPRK P..... 372

Testing & Electronics

SGTT110 .....10PC TERM..... 537
SGTT7 .....TERM TOOL 537
SGTT8.....TERM TOOL 537
SGTT9.....TERM TOOL 537

Tire & Wheel

BJP1-22A .....BALL JNT ADPT.....589
BJP1-24A .....BALL JNT ADPT.....589
BJP1HONDA.....HON BALL JNT.....589
FPS32E .....SHRT NUM 160
LSRM2000.....MET LUGNT 581
YA6510 .....HON/ACU 591
YA6510-2 .....ACU INTEG 591
YA6810 .....HON BUSH.....593

Valve Service

S6132A .....SOCKET 656, 662
YA6010A .....HRM DMP TL 660
YA9140B .....VAL SPRG.....664

Nissan®/Subaru®

Brake

S6110A .....BRAKE WR.....690, 694
YA8610B.....7PC BRAKE CA.....692

Cooling System

SVT262-28A.....COOLING SYS 632
SVT262-29.....RAD CAP ADP 632
TAB10036 .....GM FORD JAG 633

Engine Service

S6160 .....12MM 8IN L..... 417, 656
S6193 .....10MM SOCKET 656
S6194.....12MM SOCK.... 417, 656
S6214 .....SUBARU HEADB 656
YA9680 .....CAMSHFT TOOL..... 653

Fuel & Engine Systems
M3566C.....ADAPTOR.....540
S6176.....OXY SENS SKT.....548
SWR4.....SHIELDED OXY.....548

Lubrication
OFHON33.....HON OIL FI..... 648

Miscellaneous Tools
FLCE160.....E16 TORX SOC..... 151
PFMTS1E.....MTS1E SUP..... 160

Spark Plug Tools
S9714MK.....14MM SPRK P..... 373
S9714MKFUA.....6PT 3/8DR..... 372
S9714MKL.....14MM SPRK P..... 373
S9714MKMAG....14MM SPRK P..... 372
S9714MKR.....14MM SPRK P..... 372

Testing & Electronics
SGTT6A.....TERM TOOL..... 537

Tire & Wheel
BJR1.....BALL JNT SOC.....590
BJR2.....BALL JNT SOC.....590
BWDM412.....IMP SOC.....587
YA2224.....TIE ROD WR.....592
YA6870.....SUBU REAR.....592
YA6870-1.....6PT 22MM 16.....592
YA6870-2.....17MM/19MMC 6.....592

Transmission/Drive Line
FTX50TPE.....TORX PLS BI..... 156
IPLFM16A.....16MM 6PT DP..... 166
K1820A.....T70 TORX SOC.....195
SLEPL200.....20EPL TORX P..193, 598

Valve Service
YA6380.....CAM SEAL INS.....663
YA9140B.....VALVE SPR.....664

Toyota®/Lexus®/Scion®

Body
ASGD102BR.....TRIM PAD TL ST..... 701

Brake
BT20.....BR SPR TL..... 689
S6004.....BR ADJ TL..... 691
S6005.....BR ADJ TL..... 691
YA8610B.....7PC BR CA.....692

Cooling System
HCP10.....PLIERS.....635
TAB10048.....RAD ADAP TOY.....633
YA9190.....UNV DRN SKT.....630

Diagnostics
EETM306A05.....COIL INCAP2 I..... 761
EETM306A13.....COIL ON PLUG..... 761
EETM306A14.....COP11 ADPTR..... 761

Engine Service
ADT30KT.....ALT PULLEY KIT..... 657
FADM8E.....8MM/HEX SCKT..... 158
FADM8LE.....8MM LNG DBL..... 158
S6193.....10MM SOC.....656
S6194.....12MM SOC..... 417, 656
SADM10E.....10MM DLB HEX..... 196
YA1350.....TOY WATER PUM..... 657
YA65500.....TOY LEX..... 661
YA6551.....TOY/LEX V6 C..... 661
YA9350B.....SERP B.....658
YA9680.....CAMSHFT TL..... 653
YA9730.....TMG BLT TL..... 653

Fuel & Engine Systems
M3565C.....ADAP.....540
M3566C.....ADAP.....540
SWR4.....SHIELDED OXY.....548
YA6675.....SHIELDED O2.....548

Lubrication
OFA38.....OIL FILT ADP..... 648
OFKIT.....OIL FILT KIT.....649
OFTOY38.....TOY LEX..... 648
OFTOY468.....TOY OIL FILT.....647
OFWTOY3KTA.....TOY 3PC O.....647

Miscellaneous Tools
FLCE140.....E14 TORX SOC..... 151
FLCE160.....E16 TORX SOC..... 151

Spark Plug Tools
S9714MK.....14MM SPK P..... 373
S9714MKFUA.....6PT 3/8D..... 372
S9714MKL.....14MM SPK P..... 373
S9714MKMAG....14MM SPK P..... 372

Testing & Electronics
SGTT110.....10PC TERMINA..... 537
SGTT7.....TERM TOOL..... 537
SGTT8.....TERM TOOL..... 537
SGTT9.....TERM TOOL..... 537

Tire & Wheel
B2193.....3/8DR 5PT.....588
IMDM390.....39MM 1/2..... 200, 585
LSR1560.....THINWALL FLI..... 581
LSRM2000.....METRIC LUGNU..... 581
SIMDM300.....1/2D 30M..... 202, 585
YA2218.....18MM TIE ROD.....592
YA6540.....AXLE LOCK NUT KI..585

Transmission/Drive Line
FHRM12.....12MM 3/8D.....599
PFSXM910B.....10MM SWIVEL.....154
PFSXM912B.....12MM SWIVEL.....154

Valve Service
M2112PK.....2PK OF LEX.....665
M2113.....LEX V8 SPR.....665
YA6380.....CAM SEAL INS.....663
YA8825.....VALV TOOL.....662

VW®/Audi®

Body
RRT105.....CAR STER R.....706
S8703.....SOCKET.....706

Brake
BB300B19.....VW ADP..... 688
BBW1270.....3PC 11MM BR B.....694
FTSM4E.....4MM TRIP S....159, 692
FTSM5E.....5MM TRIP S.....159, 692
FTSM6E.....TRIP SQ DR.....159, 692
S5912.....BR TOOL..... 691
S6111.....BR WR 11M.....694
YA8610B.....7PC BR CA.....692

Cooling System
HCP10.....PLIERS.....635
TA16B.....RAD TES.....632
TA23A.....RAD TES.....632
TA30A.....RAD TES.....632
TA31A.....RAD TES.....632
TA40.....RAD CAP.....632
TA41.....RAD TES.....632
TAB10022.....RAD ADP VW.....633
TAB10031.....RAD ADP VW.....633
TAB10041.....RAD ADP AUD.....633
YA6210.....BMW FAN CL.....634

Diagnostics
EETM306A07.....COIL ON PLG..... 761

Diesel
IPK1220.....INJ PULL KIT.....415
S6104B.....FUEL INJ SOC.....415

Engine Service
ADT30KT.....ALT PULLY KIT..... 657
FTSM8E.....TRIP SQ DR.....159
FTSM10E.....TRIP SQ DR.....159
S5902.....WRENCH..... 598, 655
SADM10E.....10MM DLB HEX..... 196
SPDL10E.....NO10 POLYDR..... 198
STSM10LE.....10MM TRP SQ SO... 197
STSM12E.....TRIP SQ DR..... 197
STSM14E.....14MM TRIP..... 197
STSM16E.....16MM TRIP..... 197
STSM18E.....18MM TRIP..... 197
TSS7KIT.....TRIP SQ.....159, 197
YA6760.....VW AUDI TIME..... 661
YA8640.....CAM WRENCH..... 661

Fuel & Engine Systems
GANM27.....3/8 27MM C.....547
SWR2.....SQ DR.....548

Lubrication
S3624.....36/24 MM.....414, 645

Miscellaneous Tools
S6324.....24MM SKT.....205

Testing & Electronics
SGTT110.....10PC TERM.....537

Tire & Wheel
GAW1290.....ALIG WRN.....591
IMDM320.....32MM 1/2D.... 200, 585
LAWM17E.....3/4DR 17M..... 216
LAWM19E.....3/4DR 19M..... 216
SIMDM300.....1/2DR 30M..... 202, 585
YA8730.....NUT SOC.....593

Transmission/Drive Line
CPT110A.....SOCKET..... 422, 599
FHRM7.....7MM 3/8D.....599

Valve Service
YA8825.....VALVE TOOL.....662
YA8825-1.....SPAC WDGE.....662

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Warranty for Products

Snap-on Logistics Company, or its assigns, ("Snap-on") warrants to customers who purchase products from authorized Snap-on distribution channels that Snap-on® brand products and Blue-Point® brand products will be free from defects in workmanship and materials for a duration described in each product's warranty code. The warranty duration depends upon the nature of the product. Prior to a product purchase, or if the product information for purchased product does not include a warranty code with the applicable duration, customer can obtain the product warranty code and warranty duration from a Snap-on franchisee or representative. If customer is not serviced by a Snap-on franchisee or representative, then the product warranty code and warranty duration may be obtained by contacting the Snap-on Customer Care Center via telephone at 1-877-762-7664 or e-mail ncccsupport@snapon.com. Outside North America, contact the closest sales office shown on pages 645–646. Consumable products are warranted, at the time of sale, only against defects in workmanship or materials that prevent their use. Consumable products are goods reasonably expected to be used up or damaged during use, including but not limited to drill bits, saw blades, grinding discs, sanding discs, knife blades, files, O2 sensors and batteries. To the extent permitted by law, this warranty only extends to the original customer and cannot be transferred or assigned.

During the applicable duration of the warranty, at its option, Snap-on will repair or replace its products which fail to give satisfactory service due to defective workmanship or materials, or provide a refund by repaying or crediting customer with an amount equal to the purchase price of such products. Repair, replacement or refund shall be at the election and expense of Snap-on, and is customer's exclusive remedy in place of all other rights and remedies. Any products or parts replaced or for which Snap-on has provided a refund are the property of Snap-on and will not be returned.

To obtain warranty service, return products to a Snap-on franchisee or representative.

For customers not serviced by a Snap-on franchisee or representative, contact the Snap-on Customer Care Center via telephone at 1-877-762-7664 or e-mail ncccsupport@snapon.com. Outside North America, contact the closest sales office shown on pages 645–646. The following information will be required with customer's warranty request: (1) date and proof of purchase, (2) where customer purchased the product, (3) full name, (4) shipping address, (5) phone number, (6) e-mail address, and (7) item number(s) or approximate weight of return package. Warranty requests that do not include all the required information will not be processed. Once the warranty request is validated, the customer will be provided a RGA number and will be sent a shipping label either electronically through e-mail or through the US mail, and must ship the product to Snap-on. Upon receipt of the product, the warranty claim will be reviewed and the product will be inspected. If the warranty request is found to be valid, the product will be repaired and returned to the customer or a replacement product or refund will be shipped to the customer. If the warranty claim is found to be invalid, the original product will be returned to the customer. By repairing or replacing a product, or providing a refund, Snap-on does not waive a claim that a product nevertheless has been subject to abnormal use.

If customer chooses not to (1) use a carrier that offers tracking or (2) insure or declare the full value of the product, customer will be responsible for any loss or damage to the product during shipping. Replacement or refund will not be issued unless a valid proof of delivery can be provided.

In addition to any limitations outlined in warranty codes provided with the product, *Snap-on* does NOT provide any warranty for (1) products labeled other than *Snap-on* or *Blue-Point* or (2) products subjected to "abnormal use". Products that are not labeled *Snap-on* or *Blue-Point* are subject to the warranty provided by the manufacturers of those products and *Snap-on* will pass along any such warranties, to the extent that it is permitted to do so, but it is not responsible for warranty services or processing warranty claims. "Abnormal use" includes misuse, accident, modification, unreasonable use, abuse, neglect, lack of maintenance, use in product related service, or use after the product is significantly worn. Abnormal use of tool storage units also includes, without limitation, situations when a unit is pulled using a mechanical vehicle, rolled over large drops, used in a highly corrosive environment, used as a step stool, modified with non-*Snap-on* parts, overloaded or modified in any way.

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Snap-on Incorporated
2801 80th Street
Kenosha, Wisconsin 53143

Your Safety Is Important To Us

Personal safety and the proper use of tools and equipment are reflected in safety statements found throughout this catalog. More safety precautions for these products are detailed on pages W1 to W4.

Using the right tool and using it properly for the job it is designed for are both very important. It will help to safeguard the user as well as the tools and equipment.

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Dimensions shown in this catalog have been rounded to the nearest fractional size or nearest tenth millimeter and are not exact product specifications. Ask your Snap-on representative for product specifications if required.

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The Snap-on Quality Management System, including merchandised product procurement, is certified to ISO 9001

ISO 14001/OHSAS 18001 Certified

Snap-on facilities are guided by the Snap-on Environmental, Health and Safety Management System, which is certified to ISO 14001 and OHSAS 18001.

These certifications demonstrate that the Snap-on Quality, Environmental, Health and Safety Management Systems conform to internationally recognized quality standards as verified by independent audits.

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Showing Millimeter Sizes, Fractional and Decimal Inch Sizes, and Drill Number Sizes

Note: To convert from inches to millimeters, multiply by 25.4; to convert from millimeters to inches, multiply by 0.03937

M	DE	F	DN	M	DE	F	DN	M	DE	F	DN	M	DE	F	DN	M	DE	F	M	DE	F
0.10	0.0039	—	—	1.85	0.0728	—	—	—	0.1660	—	19	7.25	0.2854	—	—	13.49	0.5313	17/32	35.00	1.3780	—
0.15	0.0059	—	—	—	0.0730	—	49	4.25	0.1673	—	—	7.30	0.2874	—	—	13.50	0.5315	—	36.00	1.4173	—
0.20	0.0079	—	—	1.90	0.0748	—	—	4.30	0.1693	—	—	—	0.2900	—	L	13.89	0.5469	35/64	36.51	1.4375	1 7/16
0.25	0.0098	—	—	—	0.0760	—	48	—	0.1695	—	18	7.40	0.2913	—	—	14.00	0.5512	—	37.00	1.4567	—
0.30	0.0118	—	—	1.95	0.0768	—	—	4.37	0.1719	11/64	—	—	0.2950	—	M	14.29	0.5625	9/16	38.00	1.4961	—
—	0.0135	—	80	1.98	0.0781	5/64	—	—	0.1730	—	17	7.50	0.2953	—	—	14.50	0.5709	—	38.10	1.5000	1 1/2
0.35	0.0138	—	—	—	0.0785	—	47	4.40	0.1732	—	—	7.54	0.2969	19/64	—	14.68	0.5781	37/64	39.00	1.5354	—
—	0.0145	—	79	2.00	0.0787	—	—	—	0.1770	—	16	7.60	0.2992	—	—	15.00	0.5906	—	39.69	1.5625	1 9/16
0.40	0.0156	1/64	—	2.05	0.0807	—	—	4.50	0.1772	—	—	—	0.3020	—	N	15.08	0.5938	19/32	40.00	1.5748	—
0.40	0.0157	—	—	—	0.0810	—	46	—	0.1800	—	15	7.70	0.3031	—	—	15.48	0.6094	39/64	41.00	1.6142	—
—	0.0160	—	78	—	0.0820	—	45	4.60	0.1811	—	—	7.75	0.3051	—	—	15.50	0.6102	—	41.28	1.6250	1 5/8
0.45	0.0177	—	—	2.10	0.0827	—	—	—	0.1820	—	14	7.80	0.3071	—	—	15.88	0.6250	5/8	42.00	1.6535	—
—	0.0180	—	77	2.15	0.0846	—	—	4.70	0.1850	—	13	7.90	0.3110	—	—	16.00	0.6299	—	42.86	1.6875	1 11/16
0.50	0.0197	—	—	—	0.0860	—	44	4.75	0.1870	—	—	7.94	0.3125	5/16	—	16.27	0.6406	41/64	43.00	1.6929	—
—	0.0200	—	76	2.20	0.0866	—	—	4.76	0.1875	3/16	—	8.00	0.3150	—	—	16.50	0.6496	—	44.00	1.7323	—
—	0.0210	—	75	2.25	0.0886	—	—	4.80	0.1890	—	12	—	0.3160	—	O	16.67	0.6563	21/32	44.45	1.7500	1 3/4
0.55	0.0217	—	—	—	0.0890	—	43	—	0.1910	—	11	8.10	0.3189	—	—	17.00	0.6693	—	45.00	1.7717	—
—	0.0225	—	74	2.30	0.0906	—	—	4.90	0.1929	—	—	8.20	0.3228	—	—	17.07	0.6719	43/64	46.00	1.8110	—
0.60	0.0236	—	—	2.35	0.0925	—	—	—	0.1935	—	10	—	0.3230	—	P	17.46	0.6875	11/16	46.04	1.8125	1 13/16
—	0.0240	—	73	—	0.0935	—	42	—	0.1960	—	9	8.25	0.3248	—	—	17.50	0.6890	—	47.00	1.8504	—
—	0.0250	—	72	2.38	0.0938	3/32	—	5.00	0.1969	—	—	8.30	0.3268	—	—	17.86	0.7031	45/64	47.63	1.8750	1 7/8
0.65	0.0256	—	—	2.40	0.0945	—	—	—	0.1990	—	8	8.33	0.3281	21/64	—	18.00	0.7087	—	48.00	1.8898	—
—	0.0260	—	71	—	0.0960	—	41	5.10	0.2008	—	—	8.40	0.3307	—	—	18.26	0.7188	23/32	49.00	1.9291	—
0.70	0.0276	—	—	2.45	0.0965	—	—	—	0.2010	—	7	—	0.3320	—	Q	18.50	0.7283	—	49.21	1.9375	1 15/16
—	0.0280	—	70	—	0.0980	—	40	5.16	0.2031	13/64	—	8.50	0.3346	—	—	18.65	0.7344	47/64	50.00	1.9685	—
—	0.0292	—	69	2.50	0.0984	—	—	—	0.2040	—	6	8.60	0.3386	—	—	19.00	0.7480	—	50.80	2.0000	2
0.75	0.0295	—	—	—	0.0995	—	39	5.20	0.2047	—	—	—	0.3390	—	R	19.05	0.7500	3/4	51.00	2.0079	—
—	0.0310	—	68	—	0.1015	—	38	—	0.2055	—	5	8.70	0.3425	—	—	19.45	0.7656	49/64	52.00	2.0472	—
0.79	0.0313	1/32	—	2.60	0.1024	—	—	5.25	0.2067	—	—	8.73	0.3438	11/32	—	19.50	0.7677	—	52.39	2.0625	2 1/16
0.80	0.0315	—	—	—	0.1040	—	37	5.30	0.2087	—	—	8.75	0.3445	—	—	19.84	0.7813	25/32	53.00	2.0866	—
—	0.0320	—	67	2.70	0.1063	—	—	—	0.2090	—	4	8.80	0.3465	—	—	20.00	0.7874	—	53.98	2.1250	2 1/8
—	0.0330	—	66	—	0.1065	—	36	5.40	0.2126	—	—	—	0.3480	—	S	20.24	0.7969	51/64	54.00	2.1260	—
0.85	0.0335	—	—	2.75	0.1083	—	—	—	0.2130	—	3	8.90	0.3504	—	—	20.50	0.8071	—	55.00	2.1654	—
—	0.0350	—	65	2.78	0.1094	7/64	—	5.50	0.2165	—	—	9.00	0.3543	—	—	20.64	0.8125	13/16	55.56	2.1875	2 3/16
0.90	0.0354	—	—	—	0.1100	—	35	5.56	0.2188	7/32	—	—	0.3580	—	T	21.00	0.8268	—	56.00	2.2047	—
—	0.0360	—	64	2.80	0.1102	—	—	5.60	0.2205	—	—	9.10	0.3583	—	—	21.03	0.8281	53/64	57.00	2.2441	—
—	0.0370	—	63	—	0.1110	—	34	—	0.2210	—	2	9.13	0.3594	23/64	—	21.43	0.8438	27/32	57.15	2.2500	2 1/4
0.95	0.0374	—	—	—	0.1130	—	33	5.70	0.2244	—	—	9.20	0.3622	—	—	21.50	0.8465	—	58.00	2.2835	—
—	0.0380	—	62	2.90	0.1142	—	—	5.75	0.2264	—	—	9.25	0.3642	—	—	21.83	0.8594	55/64	58.74	2.3125	2 5/16
—	0.0390	—	61	—	0.1160	—	32	—	0.2280	—	1	9.30	0.3661	—	—	22.00	0.8661	—	59.00	2.3228	—
1.00	0.0394	—	—	3.00	0.1181	—	—	5.80	0.2283	—	—	—	0.3680	—	U	22.23	0.8750	7/8	60.00	2.3622	—
—	0.0400	—	60	—	0.1200	—	31	5.90	0.2323	—	—	9.40	0.3701	—	—	22.50	0.8858	—	60.33	2.3750	2 3/8
—	0.0410	—	59	3.10	0.1220	—	—	—	0.2340	—	A	9.50	0.3740	—	—	22.62	0.8906	57/64	61.00	2.4016	—
1.05	0.0413	—	—	3.18	0.1250	1/8	—	5.95	0.2344	15/64	—	9.53	0.3750	3/8	—	23.00	0.9055	—	61.91	2.4375	2 7/16
—	0.0420	—	58	3.20	0.1260	—	—	6.00	0.2362	—	—	—	0.3770	—	V	23.02	0.9063	29/32	62.00	2.4409	—
—	0.0430	—	57	3.25	0.1280	—	—	—	0.2380	—	B	9.60	0.3780	—	—	23.42	0.9219	59/64	63.00	2.4803	—
1.10	0.0433	—	—	—	0.1285	—	30	6.10	0.2402	—	—	9.70	0.3819	—	—	23.50	0.9252	—	63.50	2.5000	2 1/2
1.15	0.0453	—	—	3.30	0.1299	—	—	—	0.2420	—	C	9.75	0.3838	—	—	23.81	0.9375	15/16	64.00	2.5197	—
—	0.0465	—	56	3.40	0.1339	—	—	6.20	0.2441	—	—	9.80	0.3858	—	—	24.00	0.9449	—	65.00	2.5591	—
1.19	0.0469	3/64	—	—	0.1360	—	29	6.25	0.2460	—	D	—	0.3860	—	W	24.21	0.9531	61/64	65.09	2.5625	2 9/16
1.20	0.0472	—	—	3.50	0.1378	—	—	6.30	0.2480	—	—	9.90	0.3898	—	—	24.50	0.9646	—	66.00	2.5984	—
1.25	0.0492	—	—	—	0.1405	—	28	6.35	0.2500	1/4	E	9.92	0.3906	25/64	—	24.61	0.9688	31/32	66.68	2.6250	2 5/8
1.30	0.0512	—	—	3.57	0.1406	9/64	—	6.40	0.2520	—	—	10.00	0.3937	—	—	25.00	0.9843	—	67.00	2.6378	—
—	0.0520	—	55	3.60	0.1417	—	—	6.50	0.2559	—	—	—	0.3970	—	X	25.00	0.9844	63/64	68.00	2.6772	—
1.35	0.0531	—	—	—	0.1440	—	27	—	0.2570	—	F	—	0.4040	—	Y	25.40	1.0000	1	68.26	2.6875	2 11/16
—	0.0550	—	54	3.70	0.1457	—	—	6.60	0.2598	—	—	10.32	0.4063	13/32	—	26.00	1.0236	—	69.00	2.7165	—
1.40	0.0551	—	—	—	0.1470	—	26	—	0.2610	—	G	—	0.4130	—	Z	26.99	1.0625	1 1/16	69.85	2.7500	2 3/4
1.45	0.0571	—	—	3.75	0.1476	—	—	6.70	0.2638	—	—	10.50	0.4134	—	—	27.00	1.0630	—	70.00	2.7559	—
1.50	0.0591	—	—	—	0.1495	—	25	6.75	0.2656	17/64	—	10.72	0.4219	27/64	—	28.00	1.1024	—	71.00	2.7953	—
—	0.0595	—	53	3.80	0.1496	—	—	6.75	0.2657	—	—	11.00	0.4331	—	—	28.58	1.1250	1 1/8	71.44	2.8125	2 13/16
1.55	0.0610	—	—	—	0.1520	—	24	—	0.2660	—	H	11.11	0.4375	7/16	—	29.00	1.1417	—	72.00	2.8346	—
1.59	0.0625	1/16	—	3.90	0.1535	—	—	6.80	0.2677	—	—	11.50	0.4528	—	—	30.00	1.1811	—	73.00	2.8740	—
1.60	0.0630	—	—	—	0.1540	—	23	6.90	0.2717	—	—	11.51	0.4531	29/64	—	30.16	1.1875	1 3/16	73.03	2.8750	2 7/8
—	0.0635	—	52	3.97	0.1563	5/32	—	—	0.2720	—	I	11.91	0.4688	15/32	—	31.00	1.2205	—	74.00	2.9134	—
1.65	0.0650	—	—	—	0.1570	—	22	7.00	0.2756	—	—	12.00	0.4724	—	—	31.75	1.2500	1 1/4	74.61	2.9375	2 15/16
1.70	0.0669	—	—	4.00	0.1575	—	—	—	0.2770	—	J	12.30	0.4844	31/64	—	32.00	1.2598	—	75.00	2.9528	—
—	0.0670	—	51	—	0.1590	—	21	7.10	0.2795	—	—	12.50	0.4921	—	—	33.00	1.2992	—	76.00	2.9921	—
1.75	0.0689	—	—	—	0.1610	—	20	—	0.2810	—	K	12.70	0.5000	1/2	—	33.34	1.3125	1 5/16	76.20	3.0000	3
—	0.0700	—	50	4.10	0.1614	—	—	7.14	0.2813	9/32	—	13.00	0.5118	—	—	34.00	1.3386	—	—	—	—
1.80	0.0709	—	—	4.20	0.1654	—	—	7.20	0.2835	—	—	—	0.5156	33/64	—	34.93	1.3750	1 3/8	—	—	—

M = Millimeters, DE = Decimal Equivalents, F = Fractional, DN = Drill Number/Letter



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