

THE
WORLD'S
FINEST
TOOLS

Snap-on

Snap-on

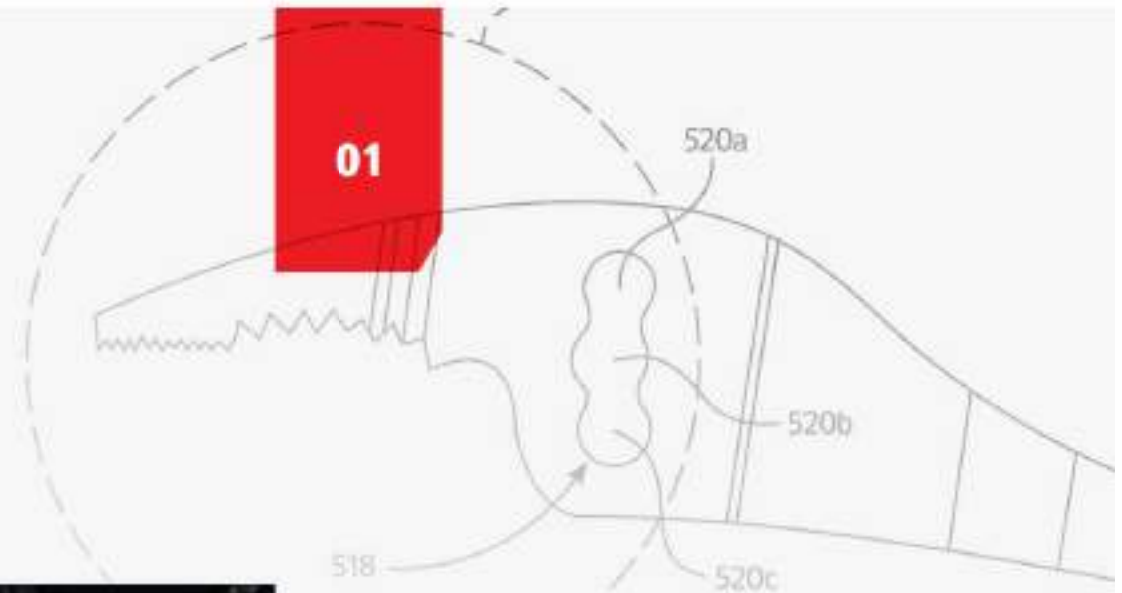
snapon.com



“By adding new ideas to existing ones, we create innovation and change. And customers benefit from both concepts.”

Rik
Product Manager, Hand Tools

01



LN47ACF
9" Talon Grip™ Long Nose Slip Joint Pliers

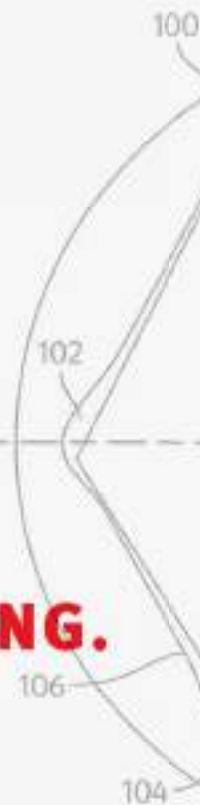
**TWO THINGS
ARE CONSTANT:**

**CHANGE
AND OUR
ABILITY
TO HELP
YOU STAY
AHEAD OF IT.**

Fig. 5A

From the very beginning, Snap-on has been at the forefront of change. Over a century ago, our innovative interchangeable socket wrenches transformed the industry. And as things continued to evolve, we developed new tools to meet the changing needs. Today, the automotive industry is facing some of the most dramatic advances yet, with the growth of EVs and even self-driving vehicles. But one thing won't change: We'll always be here to help you adapt.

ALWAYS INNOVATING. NEVER COMPROMISING.



To meet the needs of a demanding job, you require tools you can count on. Tools built for today's new breed of cars and trucks. Snap-on makes thousands of them, all designed to provide unique solutions that help you get the job done. And all built to last for the years that lie ahead. From a new take on our classic socket wrench to advanced diagnostic equipment, no one contributes to your success like Snap-on.

"As a technician, I used Snap-on tools because they could be repaired instead of replaced. Now that I work for Snap-on, I want to continue that and create even more field repairable tools to avoid lost shop time."

Nick
Supervisor, Advanced Applied Engineering



Fig. 1

251FSMBFR
51 pc 3/8" Drive 6-Point Metric/SAE Flank Drive®
General Service Foam Set

TOOL STORAGE	5-100
1/4" DRIVE TOOLS	104-143
3/8" DRIVE TOOLS	144-200
1/2" DRIVE TOOLS	201-235
3/4" DRIVE TOOLS	236-244
1", 1½", 2½" DRIVE TOOLS	245-255
WRENCHES	256-308
TORQUE	309-341
SCREWDRIVERS Awls, Hooks, Picks, Prybars	342-376
PLIERS	377-393
PUNCHES, CHISELS, HAMMERS	394-402
GENERAL HAND TOOLS Files, Scrapers, Spark Plugs, Threading, Extractors, Pullers, Diesel, Other	403-475
SET BUILDING	476-490
POWER TOOLS	491-576
TESTING & ELECTRONICS Specialty Meters, Analyzers, Fuel & Engine Systems	580-629
WELDING	630-652
UNDERCAR	653-693
BATTERY SERVICE	694-702
AIR CONDITIONING	703-713
COOLING	714-722
SHOP EQUIPMENT Lighting, Creepers, Measuring, Pick-up Tools, Compressors, Presses	723-816
SHOP CLEANING Parts Washers, Pressure Washers, Vacuums, Shop Fans	817-825
SAFETY	826-836
DIAGNOSTICS	837-878
INDEX	11-131



"Snap-on is quality at the highest level. These tool storage units are incredibly durable, and the fit and finish is unmatched."


*Todd
Gordie Boucher Ford*

CTR867
14.4 V 3/8" Drive MicroLithium Cordless Long-Neck Ratchet

TOOL STORAGE

Fig. 4

OVERVIEW	6-7
EPIQ™ SERIES	8-22
MASTERS SERIES	23-31
CLASSIC SERIES	32-40
HERITAGE SERIES	41-47
MOBILE SOLUTIONS	48-65
CENTRIQ™	66-71
ACCESSORIES	72-100



"When you're working on a job, you visualize the tool you need for a specific fastener. And right there it is, right when you need it, in your Snap-on toolbox."

*Dean
Zeigler Nissan*

108

02

102

120

118

104

112

110

114

116

TOOL STORAGE DESIGNED FOR WHAT THE FUTURE HOLDS.



KCP1422
55" 10-Drawer Classic Series Roll Cab
with Workcenter

As tools have advanced, so have the ways to store them. Snap-on® tool storage units deliver unsurpassed efficiency and organization. Lights to make it easier to see inside the drawers. Convenient charging for power tools and other devices. Endless options for bulk storage overhead and in lockers that ensure security and keep your most frequently used tools instantly available. We also stay ahead of the curve with unique paint colors and trim options that make personalization easy. This is tool storage designed with the future in mind.

EPIQ™ SERIES: QUICK REFERENCE CHART



KEVN68TA7PWZ



KEVP68TA3BLS

Roll Cabs	Specifications	KEVN68TA	KEVP68TA	
Capacity	Approx Cubic Inches (cm ³)	129,514 (2,122,354)	129,514 (2,122,354)	
	Approx Square Inches (cm ²)	21,733 (140,213)	21,733 (140,213)	
Footprint	Width, inches (mm)	134 (3,404)	134 (3,404)	
	Depth, inches (mm)	30 (762) / 34 (864)	30 (762) / 34 (864)	
	Height, inches (mm)	75 (1,905)	75 (1,905)	
Drawers	Drawer Banks	2	2	
	Drawer Count	10 (in roll cab)	10 (in roll cab)	
	Widest Drawer, inches (mm) [qty]	62 (1,575) [3]	62 (1,575) [3]	
	Slides, lb (kg) [ball bearing] (per pair)	227 (103)	227 (103)	
	Double Slide (included)	Yes (4)	Yes (4)	
Weight	Net Weight, lb (kg)	2,373 (1,076)	2,373 (1,076)	
	Shipping Weight, lb (kg)	2,373 (1,076)	2,373 (1,076)	
EPIQ™ Configurations	UL/cUL listed	Yes	Yes	
	Roll Cab	68" Roll Cab	68" Roll Cab	
	WorkCenter	68" Workcenter	68" Workcenter	
	Left Locker	Non-Power Locker	Power Locker	
	Right Locker	Non-Power Locker	Non-Power Locker	
	Included Work Surface	Stainless Work Surface	KEVN68TA1	KEVP68TA1
		Stainless LED PowerTop™	KEVN68TA2	KEVP68TA2
		Bedliner Work Surface	KEVN68TA7	KEVP68TA7
		Bedliner LED PowerTop™	KEVN68TA3	KEVP68TA3
	Wheels & Fenders	Chrome	KEVN68TA1	KEVP68TA1
			KEVN68TA2	KEVP68TA2
		Black	KEVN68TA7	KEVP68TA7
			KEVN68TA3	KEVN68TA3

Regular Finish Paint Options:



Trim Options:



Accent Options:

Available in Chrome or Backout accents.
 Driven by Part Number suffix.
 1. Stainless Work Surface
 2. Stainless LED PowerTop
 7. Bedliner Work Surface
 3. Bedliner LED PowerTop

Clear Coat Finish Options:



Two-Tone Finish Options:

Combine your favorite (regular finish) drawer paint and trim color with a black case for a two-tone look that's truly one of a kind!

EPIQ™ SERIES: QUICK REFERENCE CHART



Roll Cabs	Specifications	KERN842C	KERP842C	KETN843C	KETP843C
Capacity	Approx Cubic Inches (cm ³)	55,550 (910,301)	55,729 (913,235)	54,378 (891,095)	54,630 (895,225)
	Approx Square Inches (cm ²)	13,769 (88,132)	13,243 (85,438)	12,733 (82,148)	11,357 (73,271)
	Load Capacity, lb (kg)	8,000 (3,629)	8,000 (3,629)	8,000 (3,629)	8,000 (3,629)
Footprint	Width, inches (mm)	84 (2,134)	84 (2,134)	84 (2,134)	84 (2,134)
	Depth, inches (mm)	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)
Drawers	Drawer Banks	2	2	3	3
	Drawer Count	13	12	16	15
	Widest Drawer, inches (mm) [qty]	54 (1,372) [7]	54 (1,372) [7]	54 (1,372) [3]	54 (1,372) [3]
	Slides, lb (kg) [ball bearing] (per pair)	227 (103)	227 (103)	227 (103)	227 (103)
Weight	Double Slide (included)	Yes (5)	Yes (5)	Yes (3)	Yes (3)
	Net Weight, lb (kg)	1,165 (528)	1,165 (528)	1,165 (528)	1,165 (528)
	Shipping Weight, lb (kg)	1,195 (542)	1,195 (542)	1,195 (542)	1,195 (542)
EPIQ™ Configurations	PowerDrawer Unit	No	Yes	No	Yes
	Non-directional Rubber Top	KERN842C0	KERP842C0	KETN843C0	KETP843C0
	Stainless Work Surface	KERN842C1	KERP842C1	KETN843C1	KETP843C1
	Stainless LED PowerTop™ Bedliner Work Surface Bedliner LED PowerTop™	KERN842C2 KERN842C7 KERN842C3	KERP842C2 KERP842C7 KERP842C3	KETN843C2 KETN843C7 KETN843C3	KETP843C2 KETP843C7 KETP843C3
Optional Add-ons	Drawer Section	KESN842A0	KESN842A0	KESN843A0	KESN843A0
	End Cabinet	KEEN361A0	KEEN361A0	KEEN361A0	KEEN361A0
	Power End Cabinet	KEEP361A0	KEEP361A0	KEEP361A0	KEEP361A0
	Locker	KELN301DL KELN301DR	KELN301DL KELN301DR	KELN301DL KELN301DR	KELN301DL KELN301DR
	WorkCenter	KEWN840C0	KEWN840C0	KEWN840C0	KEWN840C0
	Power Locker	KELP301CL KELP301CR	KELP301CL KELP301CR	KELP301CL KELP301CR	KELP301CL KELP301CR
	Overhead	KEHN840B0	KEHN840B0	KEHN840B0	KEHN840B0
	Stainless Work Surface	KWSN3084B5T	KWSN3084B5T	KWSN3084B5T	KWSN3084B5T
	Stainless LED PowerTop™	KWSP3084D5T	KWSP3084D5T	KWSP3084D5T	KWSP3084D5T
	Bedliner Work Surface	KWSN3084ABL	KWSN3084ABL	KWSN3084ABL	KWSN3084ABL
	Bedliner LED PowerTop™	KWSP3084CBL	KWSP3084CBL	KWSP3084CBL	KWSP3084CBL
	Hardwood Top	KWSN3084AWT	KWSN3084AWT	KWSN3084AWT	KWSN3084AWT

Regular Finish Paint Options:



Trim Options:



Accent Options:

Available in Chrome or Backout accents.
Driven by Part Number suffix.

1. Stainless Work Surface
2. Stainless LED PowerTop
3. Bedliner Work Surface
4. Bedliner LED PowerTop

Clear Coat Finish Options



Two-Tone Finish Options:

Combine your favorite (regular finish) drawer paint and trim color with a black case for a two-tone look that's truly one of a kind!

EPIQ™ SERIES: QUICK REFERENCE CHART



KETP682A0BCD



KETN682C0ZEV



KERN681A0BCR



KETN602C0PRJ

TOOL STORAGE

Roll Cabs	Specifications	KETP682A	KETN682C*	KERN681A	KETN602C*
Capacity	Approx Cubic Inches (cm ³)	45,512 (745,808)	45,147 (739,831)	45,821 (750,872)	39,119 (641,045)
	Approx Square Inches (cm ²)	10,521 (67,877)	11,046 (71,284)	12,082 (77,948)	9,490 (61,225)
	Load Capacity, lb (kg)	8,000 (3,629)	8,000 (3,629)	8,000 (3,629)	8,000 (3,629)
Footprint	Width, inches (mm)	68 (1,727)	68 (1,727)	68 (1,727)	63 (1,524)
	Depth, inches (mm)	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)
Drawers	Drawer Banks	2	2	1	2
	Drawer Count	9	10	7	10
	Widest Drawer, inches (mm) [qty]	62 (1,575) [2]	62 (1,575) [3]	62 (1,575) [7]	54 (1,372) [3]
	Slides, lb (kg) [ball bearing] (per pair)	227 (103)	227 (103)	227 (103)	227 (103)
	Double Slide (Included)	Yes (4)	Yes (4)	Yes (5)	Yes (4)
Weight	Net Weight, lb (kg)	946 (429)	946 (429)	946 (429)	774 (351)
	Shipping Weight, lb (kg)	1,005 (456)	1,005 (456)	1,005 (456)	880 (399)
EPIQ™ Configurations	PowerDrawer Unit	Yes	No	No	No
	Non-directional Rubber Top	KETP682A0	KETN682C0	KERN681A0	KETN602C0
	Stainless Work Surface	KETP682A1	KETN682C1	KERN681A1	KETN602C1
	Stainless PowerTop™	KETP682A2	KETN682C2	KERN681A2	KETN602C2
	Bedliner Work Surface	KETP682A7	KETN682C7	KERN681A7	KETN602C7
Optional Add-ons	Bedliner PowerTop™	KETP682A3	KETN682C3	KERN681A3	KETN602C3
	Drawer Section	KESN682A0	KESN682A0	KESN682A0	KESN602A0
	End Cabinet	KEEN361A0	KEEN361A0	KEEN361A0	KEEN361A0
	Power End Cabinet	KEEP361A0	KEEP361A0	KEEP361A0	KEEP361A0
	Locker	KELN301CL KELN301CR	KELN301CL KELN301CR	KELN301CL KELN301CR	KELN301CL KELN301CR
	WorkCenter	KEWN680C0	KEWN680C0	KEWN680C0	KEWN600C0
	Power Locker	KELP301BL KELP301BR	KELP301BL KELP301BR	KELP301BL KELP301BR	KELP301BL KELP301BR
	Overhead	KEHN680C0	KEHN680C0	KEHN680C0	KEHN600B0
	Stainless Work Surface	KWSN3068B5T	KWSN3068B5T	KWSN3068B5T	KWSN3068B5T
	Stainless LED PowerTap™	KWSP3068D5T	KWSP3068D5T	KWSP3068D5T	KWSP3068D5T
	Bedliner Work Surface	KWSN3068ABL	KWSN3068ABL	KWSN3068ABL	KWSN3068ABL
	BedLiner LED PowerTap™	KWSP3068CBL	KWSP3068CBL	KWSP3068CBL	KWSP3068CBL
	Hardwood Top	KWSN3068AWT	KWSN3068AWT	KWSN3068AWT	KWSN3068AWT

ECKO™ Remote Lock Series

Images may be shown without actual warning labels.



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W3-W4.

EPIQ™ SERIES: ROLL CABS



KEXN603C0PC



Includes PowerDrawer with (5) Outlets and (2) USBs (tools not included)



Includes 2" SpeedDrawer with organizer



KEXP603A0PBO

EPIQ™ Series Roll Cab Drawer Sizes

Width		Depth		Height		KEXN603C	KEXP603A
inches	mm	inches	mm	inches	mm	Drawers	Drawers
19-5/8	498	26-7/8	683	1-11/16	43	3	1
19-5/8	498	27-15/16	710	3-15/16	100	—	—
19-5/8	498	27-15/16	710	6	152	—	—
19-5/8	498	27-15/16	710	8-3/8	213	—	—
19-5/8	498	27-15/16	710	10-5/8	270	1	—
19-5/8	498	27-15/16	710	12-13/16	325	—	1
36-1/16	754	26-7/8	683	1-11/16	43	3	1
36-1/16	754	27-15/16	710	3-15/16	100	1	2
36-1/16	754	27-15/16	710	6	152	1	1
36-1/16	754	27-15/16	710	8-3/8	213	—	—
36-1/16	754	27-15/16	710	10-5/8	270	—	—
36-1/16	754	27-15/16	710	10-5/8	270	—	—
38-1/16	967	26-7/8	683	1-11/16	43	—	—
38-1/16	967	27-15/16	710	3-15/16	100	—	—
38-1/16	967	27-15/16	710	6	152	—	—
38-1/16	967	27-15/16	710	8-3/8	213	—	—
38-1/16	967	27-15/16	710	10-5/8	270	—	—
54-1/16	1,373	26-7/8	710	1-11/16	43	3	1
54-1/16	1,373	27-15/16	710	2-11/16	66	2	2
54-1/16	1,373	27-15/16	710	3-15/16	100	3	4
54-1/16	1,373	27-15/16	710	4-7/8	124	2	2
54-1/16	1,373	27-15/16	710	6	152	1	1
62-1/16	1,576	26-7/8	710	1-11/16	43	—	—
62-1/16	1,576	27-15/16	710	2-11/16	66	—	—
62-1/16	1,576	27-15/16	710	3-15/16	100	—	—
62-1/16	1,576	27-15/16	710	4-7/8	124	—	—
62-1/16	1,576	27-15/16	710	6	152	—	—
Total Drawer Count						20	16

Tools shown in tool storage not included.

Regular Finish Paint Options:



Trim Options:



Accent Options:

Available in Chrome or Backout accents.
Driven by Part Number suffix.

1. Stainless Work Surface
2. Stainless LED PowerTop
7. Bedliner Work Surface
3. Bedliner LED PowerTop

Clear Coat Finish Options:



Two-Tone Finish Options:

Combine your favorite (regular finish) drawer paint and trim color with a black case for a two-tone look that's truly one of a kind!

EPIQ™ SERIES: ROLL CABS



KERN842COPJK



KERP842COPJJ

EPIQ™ Series Roll Cab Drawer Sizes

Width		Depth		Height		KERN842C	KERP842C
inches	mm	inches	mm	inches	mm	Drawers	Drawers
19-5/8	498	26-7/8	683	1-11/16	43	2	1
19-5/8	498	27-15/16	710	3-15/16	100	2	2
19-5/8	498	27-15/16	710	6	152	1	1
19-5/8	498	27-15/16	710	8-3/8	213	—	—
19-5/8	498	27-15/16	710	10-5/8	270	1	—
19-5/8	498	27-15/16	710	12-13/16	325	—	1
30-1/8	764	26-7/8	683	1-11/16	43	—	—
30-1/8	764	27-15/16	710	3-15/16	100	—	—
30-1/8	764	27-15/16	710	6	152	—	—
30-1/8	764	27-15/16	710	8-3/8	213	—	—
30-1/8	764	27-15/16	710	10-5/8	270	—	—
38-1/8	967	26-7/8	683	1-11/16	43	—	—
38-1/8	967	27-15/16	710	3-15/16	100	—	—
38-1/8	967	27-15/16	710	6	152	—	—
38-1/8	967	27-15/16	710	8-3/8	213	—	—
38-1/8	967	27-15/16	710	10-5/8	270	—	—
54-1/8	1,373	26-7/8	710	1-11/16	43	1	1
54-1/8	1,373	27-15/16	710	2-11/16	68	1	1
54-1/8	1,373	27-15/16	710	3-15/16	100	3	3
54-1/8	1,373	27-15/16	710	4-7/8	124	1	1
54-1/8	1,373	27-15/16	710	6	152	1	1
62-1/8	1,576	26-7/8	710	1-11/16	43	—	—
62-1/8	1,576	27-15/16	710	2-11/16	68	—	—
62-1/8	1,576	27-15/16	710	3-15/16	100	—	—
62-1/8	1,576	27-15/16	710	4-7/8	124	—	—
62-1/8	1,576	27-15/16	710	6	152	—	—
Total Drawer Count						13	12

Tools shown in tool storage not included.



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W3-W4.

EPIQ™ SERIES: ROLL CABS



EPIQ™ Series Roll Cab Drawer Sizes

Width		Depth		Height		KETN843C	KETP843C
inches	mm	inches	mm	inches	mm	Drawers	Drawers
19-5/8	498	26-7/8	683	1-11/16	43	3	2
19-5/8	498	27-15/16	710	3-15/16	100	3	3
19-5/8	498	27-15/16	710	6	152	1	1
19-5/8	498	27-15/16	710	8-3/8	213	—	—
19-5/8	498	27-15/16	710	10-5/8	270	2	1
19-5/8	498	27-15/16	710	12-13/16	325	—	1
30-1/16	764	26-7/8	683	1-11/16	43	1	1
30-1/16	764	27-15/16	710	3-15/16	100	2	2
30-1/16	764	27-15/16	710	6	152	1	1
30-1/16	764	27-15/16	710	8-3/8	213	—	—
30-1/16	764	27-15/16	710	10-5/8	270	—	—
36-1/16	917	26-7/8	683	1-11/16	43	—	—
36-1/16	917	27-15/16	710	3-15/16	100	—	—
36-1/16	917	27-15/16	710	6	152	—	—
36-1/16	917	27-15/16	710	8-3/8	213	—	—
36-1/16	917	27-15/16	710	10-5/8	270	—	—
54-1/16	1,373	26-7/8	710	1-11/16	43	—	—
54-1/16	1,373	27-15/16	710	2-11/16	66	1	1
54-1/16	1,373	27-15/16	710	3-15/16	100	1	1
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	—	—
62-1/16	1,576	26-7/8	710	1-11/16	43	—	—
62-1/16	1,576	27-15/16	710	2-11/16	66	—	—
62-1/16	1,576	27-15/16	710	3-15/16	100	—	—
62-1/16	1,576	27-15/16	710	4-7/8	124	—	—
62-1/16	1,576	27-15/16	710	6	152	—	—
Total Drawer Count						16	15

Tools shown in tool storage not included.

Regular Finish Paint Options:



Trim Options:



Accent Options:

Available in Chrome or Backout accents.
 Driven by Part Number suffix.
 1. Stainless Work Surface
 2. Stainless LED PowerTop
 7. Bedliner Work Surface
 3. Bedliner LED PowerTop

Clear Coat Finish Options:



Two-Tone Finish Options:

Combine your favorite (regular finish) drawer paint and trim color with a black case for a two-tone look that's truly one of a kind!

EPIQ™ SERIES: ROLL CABS



KETN682C0PZR



KERN681A7PJJ



KETP682A0ZFX



KETN602C0P90

TOOL STORAGE

EPIQ™ Series Roll Cab Drawer Sizes

Width		Depth		Height		KETN682C	KERN681A	KETP682A	KETN602C
inches	mm	inches	mm	inches	mm	Drawers	Drawers	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	1
19-5/8	498	27-15/16	710	6	152	—	—	—	—
19-5/8	498	27-15/16	710	8-3/8	213	—	—	—	—
19-5/8	498	27-15/16	710	10-5/8	270	1	—	—	1
19-5/8	498	27-15/16	710	12-13/16	325	—	—	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	152	—	—	—	1
30-1/16	764	27-15/16	710	8-3/8	213	—	—	—	—
30-1/16	764	27-15/16	710	10-5/8	270	—	—	—	—
38-1/16	967	26-7/8	683	1-11/16	43	1	—	1	—
38-1/16	967	27-15/16	710	3-15/16	100	2	—	2	—
38-1/16	967	27-15/16	710	6	152	1	—	1	—
38-1/16	967	27-15/16	710	8-3/8	213	—	—	—	—
38-1/16	967	27-15/16	710	10-5/8	270	—	—	—	—
54-1/16	1,373	26-7/8	710	1-11/16	43	—	—	—	—
54-1/16	1,373	27-15/16	710	2-11/16	66	—	—	—	1
54-1/16	1,373	27-15/16	710	3-15/16	100	—	—	—	1
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	—	—	—	—
62-1/16	1,576	26-7/8	710	1-11/16	43	—	1	—	—
62-1/16	1,576	27-15/16	710	2-11/16	66	1	3	1	—
62-1/16	1,576	27-15/16	710	3-15/16	100	1	1	1	—
62-1/16	1,576	27-15/16	710	4-7/8	124	1	1	1	—
62-1/16	1,576	27-15/16	710	6	152	—	1	—	—
Total Drawer Count						10	7	9	10

Tools shown in tool storage not included.



• Read and follow instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W1-W4.

EPIQ™ SERIES: DRAWER SECTIONS



KESN361A0P80

KESN361 EPIQ™ Series Drawer Sections

Cubic Inches (cm ³)	Square Inches (cm ²)		Net Weight, lb (kg)	
	15,974 (261,767)	4,982 (32,142)	400 (181)	
Specifications	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
	6	30 (914)	30 (762)	27-1/2 (699)
	2	30-1/16 (764)	26-7/8 (683)	1-11/16 (43)
Drawers	4	30-1/16 (764)	27-15/16 (710)	3-15/16 (100)



KESN602A0PC

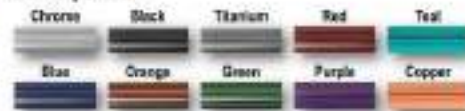
KESN602 EPIQ™ Series Drawer Sections

Cubic Inches (cm ³)	Square Inches (cm ²)		Net Weight, lb (kg)	
	26,370 (431,941)	8,223 (53,038)	626 (288)	
Specifications	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
	12	60 (1,524)	30 (762)	27-1/2 (699)
	2	19-5/8 (496)	26-7/8 (683)	1-11/16 (43)
Drawers	4	19-5/8 (496)	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)

Regular Finish Paint Options:



Trim Options:



Accent Options:

Available in Chrome or Backout accents.
Driven by Part Number suffix.

1. Stainless Work Surface
2. Stainless LED PowerTop
7. Bedliner Work Surface
3. Bedliner LED PowerTop

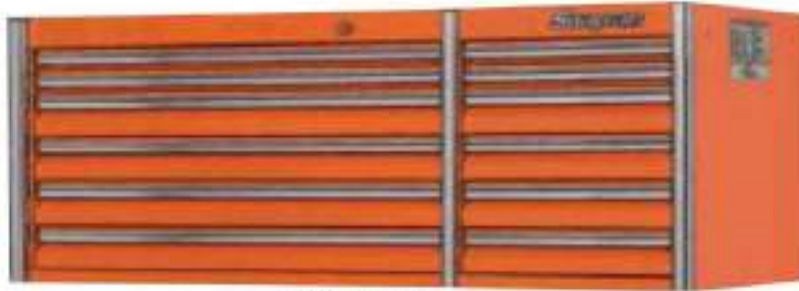
Clear Coat Finish Options:



Two-Tone Finish Options:

Combine your favorite (regular finish) drawer paint and trim color with a black case for a two-tone look that's truly one of a kind!

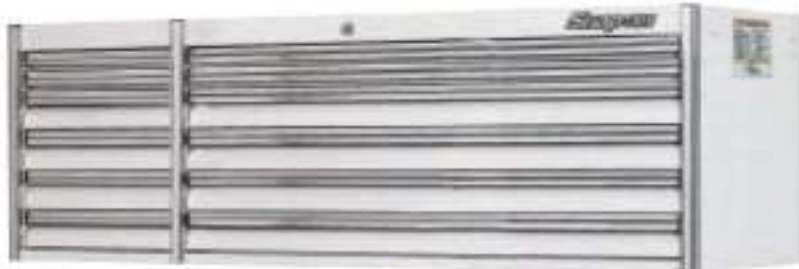
EPIQ™ SERIES: DRAWER SECTIONS



KESN682A0PJK

KESN682 EPIQ™ Series Drawer Sections

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)			
		Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
30,816 (501,490)	9,347 (61,578)			620 (272)	
Specifications		12	68 (1,727)	30 (762)	27-1/2 (698)
Drawers		2	19-5/8 (496)	26-7/8 (683)	1-11/16 (43)
		4	19-5/8 (496)	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

KESN842 EPIQ™ Series Drawer Sections

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)			
		Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
38,358 (628,738)	12,200 (78,709)			750 (340)	
Specifications		12	84 (2,134)	30 (762)	27-1/2 (698)
Drawers		2	19-5/8 (496)	26-7/8 (683)	1-11/16 (43)
		4	19-5/8 (496)	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)



KESN843A0PDG

KESN843 EPIQ™ Series Drawer Sections

Cubic Inches (cm³)	Square Inches (cm²)	Net Weight, lb (kg)			
		Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
36,785 (602,538)	11,471 (73,986)			750 (340)	
Specifications		18	84 (2,134)	30 (762)	27-1/2 (698)
Drawers		4	19-5/8 (496)	26-7/8 (683)	1-11/16 (43)
		8	19-5/8 (496)	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)



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W1-W4

EPIQ™ SERIES: WORKCENTER



KEWN840CPB0

EPIQ™ Series WorkCenters

Require stainless steel, bed liner or butcher block work surface to use.

	Overall			Inside			Cubic inches (cm ³)	Square inches (cm ²)	Net Weight lb (kg)
	Width inches (mm)	Depth inches (mm)	Height inches (mm)	Width inches (mm)	Depth inches (mm)	Height inches (mm)			
KEWN840CD	84 (2,134)	30 (762)	25-1/2 (647)	80-9/16 (2,048)	28-5/8 (878)	25 (625)	38,924 (637,850)	6,130 (33,800)	355 (161)
KEWN680CD	68 (1,727)	30 (762)	25-1/2 (647)	64-9/16 (1,640)	28-5/8 (878)	25 (625)	31,198 (510,991)	4,303 (27,757)	300 (136)
KEWN600CD	60 (1,524)	30 (762)	25-1/2 (647)	58-9/16 (1,437)	28-5/8 (878)	25 (625)	27,332 (447,698)	3,890 (25,091)	275 (125)
KEWN360AD	36 (914)	30 (762)	25-1/2 (647)	32-9/16 (813)	28-5/8 (878)	25 (625)	16,400 (268,748)	2,334 (15,058)	225 (102)

EPIQ™ SERIES: OVERHEAD CABINETS



KEHN300APB0

EPIQ™ Series Overhead Cabinets

	Overall			Inside			Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)
	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)			
KEHN840B0	84 (2,134)	30 (762)	20-7/8 (530)	80-1/4 (2,038)	28-3/16 (716)	13-5/8 (348)	30,888 (506,163)	2,263 (14,599)	320 (145)
KEHN680C0	68 (1,727)	30 (762)	20-7/8 (530)	64-1/4 (1,632)	28-3/16 (716)	13-5/8 (348)	24,733 (405,301)	1,812 (11,680)	275 (125)
KEHN600B0	60 (1,524)	30 (762)	20-7/8 (530)	58-1/4 (1,429)	28-3/16 (716)	13-5/8 (348)	21,656 (354,678)	1,587 (10,238)	260 (118)
KEHN360A0	36 (914)	30 (762)	20-7/8 (530)	32-5/8 (795)	28-3/16 (716)	13-5/8 (348)	14,000 (229,419)	920 (5,935)	175 (79)
KEHN300A0	30 (762)	30 (762)	20-7/8 (530)	28-5/8 (683)	28-3/16 (716)	13-5/8 (348)	13,010 (213,195)	733-65/64 (4,733)	130 (59)

Regular Finish Paint Options:



Trim Options:



Accent Options:

Available in Chrome or Backout accents.
Driven by Part Number suffix.

1. Stainless Work Surface
2. Stainless LED PowerTop
7. Bedliner Work Surface
3. Bedliner LED PowerTop

Clear Coat Finish Options:



Two-Tone Finish Options:

Combine your favorite (regular finish) drawer paint and trim color with a black case for a two-tone look that's truly one of a kind!

EPIQ™ SERIES: END CABINETS



KEEN361A0P80

Optional Add-ons

36" End Cab WorkCenter	KEWN360A0
36" End Cab Drawer Section	KESN361A0
36" End Cab Overhead Cabinet	KEHN360A0

KEEN361 EPIQ™ Series End Cabinets

- 36" End Cabinet requires attachment to an EPIQ™ roll cab
- Cannot be used as a stand alone unit

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)		
23,016 (377,165)	5,824 (37,574)	400 (181)		
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	7	36 (914)	30 (762)	46-7/8 (1,191)
Drawers	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 (152)
Stainless Work Surface	KEEN361A1			
Bedliner Work Surface	KEEN361A7			



KEEP361A0PWZ

Optional Add-ons

36" End Cab WorkCenter	KEWN360A0
36" End Cab Drawer Section	KESN361A0
36" End Cab Overhead Cabinet	KEHN360A0

KEEP361 EPIQ™ Series End Cabinets with PowerDrawe

- 36" End Cabinet requires attachment to an EPIQ™ roll cab
- Cannot be used as a stand alone unit

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)		
23,938 (392,274)	4,174 (26,925)	400 (181)		
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	7	36 (914)	30 (762)	46-7/8 (1,191)
Drawers	1	30-1/16 (764)	26-7/8 (683)	1-11/16 (43)
	2	30-1/16 (764)	27-15/16 (710)	3-15/16 (100)
PowerDrawer	1	30-1/16 (764)	27-15/16 (710)	12-13/16 (325)
Stainless Work Surface	KEEP361A1			
Bedliner Work Surface	KEEP361A7			

Regular Finish Paint Options:



Trim Options:



Accent Options:

- Available in Chrome or Backout accents.
Driven by Part Number suffix.
1. Stainless Work Surface
 2. Stainless LED PowerTop
 7. Bedliner Work Surface
 3. Bedliner LED PowerTop

Clear Coat Finish Options



Two-Tone Finish Options:

- Combine your favorite (regular finish) drawer paint and trim color with a black case for a two-tone look that's truly one of a kind!

MASTERS SERIES: QUICK REFERENCE CHART



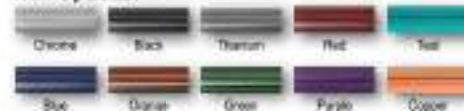
Roll Cabs	Specifications	KRL1033E	KTL1023A	KMP1023	KMP1033
Capacity	Approx. Cubic Inches (cm ³)	48,809 (799,836)	46,242 (741,384)	46,054 (764,692)	46,769 (769,243)
	Approx. Square Inches (cm ²)	11,427 (73,722)	11,895 (74,871)	10,029 (64,703)	10,245 (66,097)
	Load Capacity, lb (kg)	6,800 (3,084)	6,800 (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 (1,851)	72-7/8 (1,851)
	Depth, inches (mm)	29-1/8 (740)	29-1/8 (740)	29-1/8 (740)	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)
Drawers	Drawer Banks	3	3	3	3
	Drawer Count	15	18	14	12
	Widest Drawer, inches (mm) (qty)	69 (1,753) [2]	50 (1,270) [3]	50 (1,270) [3]	69 (1,753) [2]
	Slides, lb (kg) (ball bearing) (per pair)	227 (103)	227 (103)	227 (103)	227 (103)
	Double Slide (included)	Yes (2)	Yes (2)	Yes (3)	Yes (3)
Masters Configurations	PowerDrawer Unit	No	No	Yes	Yes
	Non-directional Rubber Top	KRL1033E	KTL1023A	KMP1023	KMP1033
	Stainless Steel Work Surface	KRL1033E_1	KTL1023A_1	KMP1023_1	KMP1033_1
	Bedliner Work Surface Stainless Steel Stainless Steel LED PowerTop™ Bedliner LED PowerTop™	KRL1033E_7 KRL1033E_2 KRL1033E_3	KTL1023A_7 KTL1023A_2 KTL1023A_3	KMP1023_7 KMP1023_2 KMP1023_3	KMP1033_7 KMP1033_2 KMP1033_3
Weight	Net Weight, lb (kg)	1,034 (469)	892 (405)	920 (417)	920 (417)
	Shipping Weight, lb (kg)	1,131 (513)	1,006 (456)	1,017 (461)	1,017 (461)
Optional Add-ons	End Cab	KRL1011A	KRL1011A	KRL1011A	KRL1011A
	Power End Cab	KMP1099	KMP1099	KMP1099	KMP1099
	Locker	KRXL1025	KRXL1025	KRXL1025	KRXL1025
	Power Locker	KPXL1025	KPXL1025	KPXL1025	KPXL1025
	Locker Overhead	KRXL2545	KRXL2545	KRXL2545	KRXL2545
	WorkCenter	KRXL1072	KRXL1072	KRXL1072	KRXL1072
	Overhead	KRXL7245	KRXL7245	KRXL7245	KRXL7245
	Stainless Steel Work Surface	KWSN2973AST	KWSN2973AST	KWSN2973AST	KWSN2973AST
	Bedliner Work Surface	KWSN2973ABL	KWSN2973ABL	KWSN2973ABL	KWSN2973ABL
	Hardwood Work Surface	KWSN2973AWT	KWSN2973AWT	KWSN2973AWT	KWSN2973AWT
	Stainless Steel LED PowerTop™	KWSP2973BST	KWSP2973BST	KWSP2973BST	KWSP2973BST
Bedliner LED PowerTop™	KWSP2973BBL	KWSP2973BBL	KWSP2973BBL	KWSP2973BBL	

Images may be shown without actual warning labels.

Regular Finish Paint Options:



Trim Options:



Accent Options:

Available in Chrome or Backout accents. Driven by Part Number suffix.

1. Stainless Work Surface
2. Stainless LED PowerTop
7. Bedliner Work Surface
3. Bedliner LED PowerTop



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W1-W3

MASTERS SERIES: QUICK REFERENCE CHART



KMP1022AZJQ



KTL1022ABLE3



KRL722PCM

Roll Cabs	Specifications	KTL1022A	KMP1022A	KRL722C
Capacity	Approx. Cubic Inches (cm ³)	34,573 (568,550)	34,745 (569,096)	23,937 (392,256)
	Approx. Square Inches (cm ²)	8,452 (54,529)	8,058 (51,987)	5,784 (37,319)
	Load Capacity, lb (kg)	6,800 (3,084)	6,800 (3,084)	3,600 (1,633)
Footprint	Width, inches (mm)	54-1/2 (1,384)	54-1/4 (1,378)	54-1/4 (1,378)
	Depth, inches (mm)	29-1/8 (740)	29-1/8 (740)	24 (610)
	Height, inches (mm)	45-7/8 (1,165)	45-7/8 (1,165)	39-7/8 (1,013)
Drawers	Drawer Banks	2	2	2
	Drawer Count	10	9	9
	Widest Drawer, inches (mm) [qty]	50 (1,270) [3]	50 (1,270) [3]	50 (1,270) [2]
	Slides, lb (kg) (ball bearing) (per pair)	227 (103)	227 (103)	227 (103)
	Double Slide (included)	Yes (2)	Yes (2)	Yes (1)
Masters Configurations	PowerDrawer Unit	No	Yes	No
	Non-directional Rubber Top	KTL1022A	KMP1022A	KRL722C
Weight	Stainless Steel Work Surface	KTL1022A_1	KMP1022A_1	KRL722C_1
	Bedliner Work Surface	KTL1022A_7	KMP1022A_7	KRL722C_7
	Stainless Steel LED PowerTop™	KTL1022A_2	KMP1022A_2	—
	Bedliner LED PowerTop™	KTL1022A_3	KMP1022A_3	—
Optional Add-ons	Net Weight, lb (kg)	632 (287)	757 (343)	489 (222)
	Shipping Weight, lb (kg)	720 (327)	854 (387)	548 (249)
Optional Add-ons	End Cab	KRL1011A	KRL1011A	KRL711A
	Power End Cab	KMP1099	KMP1099	KMP799
	Locker	KRXL1025	KRXL1025	KRL712B
	Power Locker	KPXL1025	KPXL1025	—
	Locker Overhead	KRXL2545	KRXL2545	—
	WorkCenter	KRXL1054	KRXL1054	KRA2454
	Overhead	KRXL5445	KRXL5445	KRWL5435
	Stainless Steel Work Surface	KWSN2954AST	KWSN2954AST	KWSN722AST
	Bedliner Work Surface	KWSN2954ABL	KWSN2954ABL	KWSN722ABL
	Stainless Steel LED PowerTop™	KWSP2954BST	KWSP2954BST	—
	Bedliner LED PowerTop™	KWSP2954BBL	KWSP2954BBL	—
	Hardwood Work Surface	KWSN2954AWT	KWSN2954AWT	KRWT761B

Images may be shown without actual warning labels.

Regular Finish Paint Options:



Trim Options:



Accent Options:

Available in Chrome or Backout accents.
 Driven by Part Number suffix.
 1. Stainless Work Surface
 2. Stainless LED PowerTop
 7. Bedliner Work Surface
 3. Bedliner LED PowerTop

MASTERS SERIES: ROLL CABS



KTL1022ABKG3



KMP1022AP80

Masters Series Roll Cab Drawer Sizes

Width		Depth		Height		KTL1022A	KMP1022A
inches	mm	inches	mm	inches	mm	Drawers	Drawers
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	8-3/8	213	—	2
14-5/8	371	26-15/16	684	10-5/8	270	1	—
29-5/8	752	25-1/2	643	1-11/16	43	—	1
30-1/2	775	26-15/16	684	1-11/16	43	1	—
30-1/2	775	26-15/16	684	4	102	2	2
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	3-13/16	97	1	1
49-1/8	1,248	26-15/16	684	4-7/8	124	1	1
Total Drawer Count						10	9



KRL722PCM

Masters Series Roll Cab Drawer Sizes

Width		Depth		Height		KRL722C
inches	mm	inches	mm	inches	mm	Drawers
14-5/8	371	21-7/8	557	1-11/16	43	1
14-5/8	371	21-7/8	557	4	102	1
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	1
30-1/2	775	21-7/8	557	4	102	2
30-1/2	775	21-7/8	557	6-3/16	157	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
Total Drawer Count						9

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

Regular Finish Paint Options:



Trim Options:



Accent Options:

Available in Chrome or Backout accents. Driven by Part Number suffix.
 1. Stainless Work Surface
 2. Stainless LED PowerTop
 3. Bedliner Work Surface
 4. Bedliner LED PowerTop

MASTER SERIES: TOP CHESTS

KRL751 Series Top Chest

Cubic Inches (cm ³)	Square Inches (cm ²)	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)	5-11/16 (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

KRL791A Series Top Chest

Cubic Inches (cm ³)	Square Inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
15,927 (260,884)	5,132 (33,101)	302 (137)	364 (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)	5-11/16 (43)
	2	14-5/8 (371)	21-7/8 (557)	4 (102)
	2	30-1/2 (775)	21-7/8 (557)	5-11/16 (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)



KRL791APJJ

MASTERS SERIES: WORKCENTERS

KRXL1072 Series XL Work Center

Specifications	KRXL1072PB0
Cubic inches (cm ³)	30,667 (502,542)
Square inches (cm ²)	4,125 (26,613)
Width, inches (mm)	72-7/8 (1,851)
Height, inches (mm)	26-3/4 (683)
Depth, inches (mm)	29-1/8 (740)



KRXL1072PB0



- Read and follow instructions and Safety Messages in the Manual accompanying the product.
- Read Safety Precautions on pages W1-W4.

MASTERS SERIES: END CABINETS



KRL1011APJJ

KRL1011A Series End Cab

Cubic Inches (cm ³)	Square Inches (cm ²)	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 (684)	6-3/16 (167)



KRL711APCM

KRL711A Series End Cab

Cubic Inches (cm ³)	Square Inches (cm ²)	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)

Regular Finish Paint Options:



Trim Options:



Accent Options:

Available in Chrome or Backout accents. Driven by Part Number suffix.

1. Stainless Work Surface
2. Stainless LED PowerTop
7. Bedliner Work Surface
7. Bedliner LED PowerTop

MASTERS SERIES: POWERCAB™ END CABINETS

KMP7099 Series End Cab with PowerDrawer

Cubic Inches (cm ³)	Square Inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
9,917 (162,510)	1,182 (7,626)	230 (104)	270 (122)	
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	3	19-3/4 (501)	29 (737)	32-15/16 (836)
Drawers	1	14-5/8 (371)	26-15/16 (684)	4 (102)
	1	14-5/8 (371)	26-15/16 (684)	12-13/16 (326)
PowerDrawer*	1	14-5/8 (371)	26-15/16 (684)	8-3/8 (213)

* Power strip has (3) outlets and (2) USBs



KMP7099P80

KMP799 700 Series End Cab with PowerDrawer

Cubic Inches (cm ³)	Square Inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
8,044 (131,817.5)	959 (6,187)	193 (88)	243 (110)	
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Drawers	1	14-5/8 (371)	21-7/8 (557)	4 (102)
	1	14-5/8 (371)	21-7/8 (557)	8-3/8 (213)
	1	14-5/8 (371)	21-7/8 (557)	12-13/16 (326)
Specifications	3	19-3/4 (501)	24 (610)	32-15/16 (836)



KMP799P80



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W1-W4

MASTERS SERIES: POWERCAB™ END CABINETS



KMP1099PS0

KMP1099 Series End Cab with PowerDrawer

Cubic inches (cm ³)	Square Inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
11,474 (188,025)	1,576 (19,167)	267 (121)	317 (144)
	Drawers	Width, inches (mm)	Depth, inches (mm)
Drawers	2	14-5/8 (371)	26-15/16 (684)
	1	14-5/8 (371)	26-15/16 (684)
	1	14-5/8 (371)	26-15/16 (684)
Specifications	4	19-3/4 (501)	29 (737)
			Height, inches (mm)
			4 (102)
			8-3/8 (213)
			12-13/16 (326)
			37-5/16 (948)

Includes (2) adjustable shelves and integrated power strip.

Tools not included.



KMP1099
Includes power tool organizer drawer (tools not included)



KMP1099
Includes PowerDrawer with (5) outlets and (2) USBs (tools not included)



KRL1098PS0

KRL1098 Series Drawer End Cab

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)
11,089 (181,700)	2,364 (19,252)	267 (121)	317 (144)
	Drawers	Width, inches (mm)	Depth, inches (mm)
Specifications	6	19-3/4 (502)	29-1/8 (740)
Drawers	2	14-5/8 (371)	26-15/16 (684)
	3	14-5/8 (371)	26-15/16 (684)
	1	14-5/8 (371)	26-15/16 (684)
			Height, inches (mm)
			1-11/16 (43)
			4 (102)
			12-13/16 (326)



KRL1098
Includes power tool organizer drawer (tools not included)

Regular Finish Paint Options:



Trim Options:



Accent Options:

Available in Chrome or Backout accents. Driven by Part Number suffix.

1. Stainless Work Surface
2. Stainless LED PowerTop
3. Bedliner Work Surface
4. Bedliner LED PowerTop

MASTERS SERIES: BULK END CABINETS

KRL715 Series Bulk Storage End Cab

Cubic Inches (cm ³)	Square Inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
7,984 (133,830)	894 (5,768)	122 (55)	159 (72)	
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	2	19-3/4 (501)	24 (610)	32-15/16 (836)
Drawers	2	13-1/4 (337)	20-1/8 (506)	4 (102)
Shelves	1	16-1/4 (406)	20-5/8 (508)	Adjustable



KRL715BP80

MASTERS SERIES: LOCKERS

KRL712B Series Locker

Cubic Inches (cm ³)	Square Inches (cm ²)	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	18-7/16 (495)	20 (508)	4 (102)
Shelves	3	21-1/16 (520)	17-9/16 (446)	Adjustable
Trays	3	17-7/8 (454)	3-1/8 (79)	4 (102)



KRL712BP80

KRXL1025 Series Masters XL Locker

Cubic Inches (cm ³)	Square Inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
26,667 (436,994)	3,533 (22,794)	347 (157)	410 (186)	
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	4	25-1/3 (643)	29-1/8 (746)	65-1/2 (1,664)
Drawers	4	19-7/16 (495)	25-1/8 (638)	4 (102)
Shelves	3	20-3/4 (527)	24 (610)	Adjustable
Trays	2	11-3/16 (300)	3-1/8 (79)	4 (102)



KRXL1025P80



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W1-W4.

CLASSIC SERIES: QUICK REFERENCE CHART



KCP2423B00



KRA2432PJJ



KRA2423PU



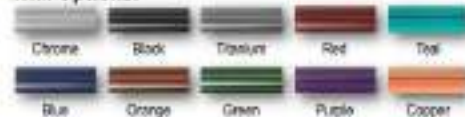
KCP1423P80

Roll Cabs	Specifications	KRA2432	KRA2423	KCP1423	KCP2423
Capacity	Approx. Cubic Inches (cm ³)	33,000 (540,773)	31,237 (530,000)	37,458 (613,827)	31,453 (515,422)
	Approx. Square Inches (cm ²)	8,500 (54,839)	8,604 (55,009)	8,723 (56,277)	7,971 (51,425)
	Load Capacity (kg)	2,400 (1,089)	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)	73 (1,854)
	Depth, inches (mm)	24 (610)	24 (610)	24 (610)	24 (610)
	Height, inches (mm)	39 (991)	39 (991)	43 (1,092)	39 (991)
Drawers	Drawer Banks	2	3	3	3
	Drawer Count	12	17	15	15
	Widest Drawer, inches (mm)	50 (1,270)	50 (1,270)	50 (1,270)	50 (1,270)
	Slides, lb (kg) (ball bearing)	120 (54)	120 (54)	227 (103)	120 (54)
	Double Slides	Yes (5 drawers)	Yes (2 drawers)	5" Top Extra-wide Drawer and 4" Third Drawer Down	Yes (2 drawers)
Extras	Top Mat	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber
	PowerDrawer	No	No	Included	Included
Weight	Net Weight, lb (kg)	547 (248)	550 (252)	668 (303)	625 (283)
	Shipping Weight, lb (kg)	643 (292)	670 (303)	760 (347)	685 (311)
Optional Add-ons	Top Chest	KRA2415A	KRA2415A	KRA2415A	KRA2415A
	Side Cab	KRA2406B	KRA2406B	KRA1406	KRA2406B
	Locker	KRA2403A	KRA2403A	KRA1403	KRA2403A
	WorkCenter Riser w/ Door	KRA2472	KRA2472	KRA2472	KRA2472
	Overhead	KRA7220	KRA7220	KRA7220	KRA7220
	Hardwood Top	KRWT241B	KRWT241B	KRWT241B	KRWT241B
	Stainless steel Top	KWSN2473AST	KWSN2473AST	KWSN2473AST	KWSN2473AST
	Bed liner Top	KWSN2473ABL	KWSN2473ABL	KWSN2473ABL	KWSN2473ABL
	Stainless steel PowerTop™	KWSP2473AST	KWSP2473AST	KWSP2473AST	KWSP2473AST
	Bed Liner PowerTop™	KWSP2473ABL	KWSP2473ABL	KWSP2473ABL	KWSP2473ABL
	Third Caster Set Option	No	No	No	No

Regular Finish Paint Options:



Trim Options:



Accent Options:

Available in Chrome or Backout accents.
 Driven by Part Number suffix.
 1. Stainless Work Surface
 4. Stainless PowerTop™
 7. Bedliner Work Surface
 8. Bedliner PowerTop™

CLASSIC SERIES: QUICK REFERENCE CHART



KRA2407PJK



KRA2411PDG



KRA2422PC



KCP1422BKG



KCP2422BKN

Roll Cabs	Specifications	KRA2407	KRA2411	KRA2422	KCP1422	KCP2422
Capacity	Approx. Cubic Inches (cm ³)	16,000 (262,193)	23,612 (387,236)	23,055 (377,804)	28,219 (462,427)	23,902 (391,691)
	Approx. Square Inches (cm ²)	4,700 (30,322)	6,300 (40,845)	6,391 (41,232)	7,142 (46,077)	6,068 (39,150)
	Load Capacity (kg)	2,400 (1,089)	2,400 (1,089)	2,400 (1,089)	2,400 (1,089)	2,400 (1,089)
Footprint	Width, inches (mm)	36 (914)	55 (1,397)	55 (1,397)	55 (1,397)	55 (1,397)
	Depth, inches (mm)	24 (610)	24 (610)	24 (610)	24 (610)	24 (610)
	Height, inches (mm)	39 (991)	39 (991)	39 (991)	43 (1,092)	39 (991)
Drawers	Drawer Banks	1	2	2	2	2
	Drawer Count	7	11	10	10	9
	Widest Drawer, inches (mm)	32 (813)	50 (1,270)	50 (1,270)	50 (1,270)	50 (1,270)
	Slides, lb (kg) (ball bearing)	120 (54)	120 (54)	120 (54)	227 (103)	120 (54)
	Double Slides	No	Yes (2 drawers)	Yes (2 drawers)	Yes (2 drawers)	Yes (2 drawers)
Extras	Top Mat	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber
	PowerDrawer	No	No	No	Included	Included
Weight	Net Weight, lb (kg)	320 (145)	412 (187)	412 (187)	595 (270)	417 (189)
	Shipping Weight, lb (kg)	356 (162)	486 (218)	486 (218)	648 (294)	525 (238)
Optional Add-ons	Top Chest	KRA2405A	KRA2410A	KRA2410A	KRA2410A	KRA2410A
	Side Cab	KRA2406B	KRA2406B	KRA2406B	KRA1406	KRA2406B
	Locker	KRA2403A	KRA2403A	KRA2403A	KRA1403	KRA2403A
	WorkCenter Riser w/ Door	No	KRA2454	KRA2454	KRA2454	KRA2454
	Overhead	No	KRA5420	KRA5420	KRA5420	KRA5420
	Hardwood Top	KRWT2407	KRWT2411	KRWT2411	KRWT2411	KRWT2411
	Stainless steel Top	KWSN2436AST	KWSN2455AST	KWSN2455AST	KWSN2455AST	KWSN2455AST
	Bed liner Top	KWSN2436ABL	KWSN2455ABL	KWSN2455ABL	KWSN2455ABL	KWSN2455ABL
	Stainless steel PowerTop™	No	KWSP2455AST	KWSP2455AST	KWSP2455AST	KWSP2455AST
	Bed Liner PowerTop™	No	KWSP2455ABL	KWSP2455ABL	KWSP2455ABL	KWSP2455ABL
	Third Caster Set Option	No	No	No	No	No



• Read and follow instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W1-W4.

CLASSIC SERIES: ROLL CABS



KCP2423BKH



KCP1423PB0

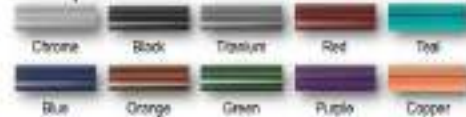
Classic Series Roll Cab Drawer Sizes

Specifications	Width		Depth		Height		KCP2423	KCP1423
	inches	mm	inches	mm	inches	mm	Drawers	Drawers
2" Narrow	14-5/8	371	21-7/8	557	1-3/4	43	2	1
4" Narrow	14-5/8	371	21-7/8	557	4	102	3	3
6" Narrow	14-5/8	371	21-7/8	557	6-3/16	157	1	—
8" Narrow	14-5/8	371	21-7/8	557	8-1/8	206	1	1
10" Narrow	14-5/8	371	21-7/8	557	10-9/16	270	1	1
12" Narrow	14-5/8	371	21-7/8	557	12-7/8	323	—	1
2" Wide	30-1/2	775	21-7/8	557	1-3/4	43	3	3
4" Wide	30-1/2	775	21-7/8	557	4	102	1	1
6" Wide	30-1/2	775	21-7/8	557	6-3/16	157	1	1
2" Extra-wide	49-1/8	1,248	21-7/8	557	1-9/16	40	—	—
3" Extra-wide	49-1/8	1,248	21-7/8	557	2-11/16	68	1	1
4" Extra-wide	49-1/8	1,248	21-7/8	557	4	102	—	1
5" Extra-wide	49-1/8	1,248	21-7/8	557	4-7/8	124	1	1

Regular Finish Paint Options:



Trim Options:



Accent Options:

- Available in Chrome or Backout accents.
 Driven by Part Number suffix.
1. Stainless Work Surface
 4. Stainless PowerTap™
 7. Bedliner Work Surface
 8. Bedliner PowerTap™

CLASSIC SERIES: ROLL CABS



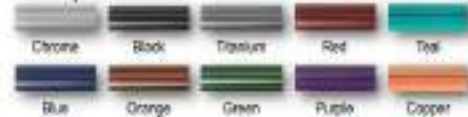
Classic Series Roll Cab Drawer Sizes

Specifications	Width		Depth		Height		KRA2407	KRA2411	KRA2422
	Inches	mm	Inches	mm	Inches	mm	Drawers	Drawers	Drawers
2" Narrow	14-5/8	371	21-7/8	557	1-3/4	43	—	1	1
4" Narrow	14-5/8	371	21-7/8	557	4	102	—	2	1
6" Narrow	14-5/8	371	21-7/8	557	6-3/16	157	—	—	—
8" Narrow	14-5/8	371	21-7/8	557	8-1/8	206	—	—	—
10" Narrow	14-5/8	371	21-7/8	557	10-9/16	270	—	1	1
2" Wide	30-1/2	775	21-7/8	557	1-3/4	43	3	3	3
4" Wide	30-1/2	775	21-7/8	557	4	102	3	2	1
6" Wide	30-1/2	775	21-7/8	557	6-3/16	157	1	1	1
3" Extra-wide	48-1/8	1,248	21-7/8	557	2-11/16	68	—	—	1
4" Extra-wide	48-1/8	1,248	21-7/8	557	3-13/16	97	—	1	—
5" Extra-wide	48-1/8	1,248	21-7/8	557	4-7/8	124	—	—	1
Total Drawer Count							7	11	10

Regular Finish Paint Options:



Trim Options:



Accent Options:

Available in Chrome or Backout accents.
 Driven by Part Number suffix.
 1. Stainless Work Surface
 4. Stainless PowerTap™
 7. Bedliner Work Surface
 8. Bedliner PowerTap™

CLASSIC SERIES: TOP CHESTS

KRA2410 Classic 78 Series Top Chests

Cubic inches (cm ³)		Square inches (cm ²)		Net Weight, lb (kg)	Shipping Weight, lb (kg)
21,283 (348,768)		8,137 (39,593)		381 (163)	417 (189)
	Drawer Description	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications		10	34-7/16 (1,383)	24 (609)	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	38-1/2 (775)	21-7/8 (557)	1-11/16 (43)
	4" Wide	3	38-1/2 (775)	21-7/8 (557)	4 (102)
Top Compartment		—	54 (1,372)	23-3/4 (603)	5 (125)



KRA2410APJJ

KRA2415 Classic 96 Series Top Chests

Cubic inches (cm ³)		Square inches (cm ²)		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 (125)	



KRA2415APCM

KRA2405 Classic 60 Series Top Chests

Cubic inches (cm ³)		Square inches (cm ²)		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 (726)	
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)	



KRA2405APBD



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W1-W4.

CLASSIC SERIES: WORKCENTER RISERS



KRA2454PBD

KRA2454 Series Workstation Risers (54")

Stock Number	KRA2454 Riser
Cubic inches (cm ³)	11,524 (221,619)
Square inches (cm ²)	1,127 (7,271)
Width, inches (mm)	54-7/16 (1,382)
Height, inches (mm)	27 (686)
Depth, inches (mm)	22-7/16 (570)



KRA2472PJK

KRA2472 Series Workstation Risers (73")

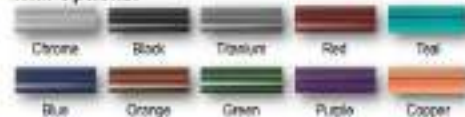
- Two gas cylinders assist in opening the door, making it an effortless operation
- Able to lock up work in process
- Stainless-steel inside walls with Slots-N-Dots™ panels
- Factory assembled unit complete with door
- Work surface required

Stock Number	KRA2472 Riser
Cubic inches (cm ³)	23,265 (381,245)
Square inches (cm ²)	1,551 (10,006)
Width, inches (mm)	73 (1,854)
Height, inches (mm)	27 (686)
Depth, inches (mm)	22-7/16 (570)

Regular Finish Paint Options:



Trim Options:



Accent Options:

- Available in Chrome or Backout accents.
 Driven by Part Number suffix.
1. Stainless Work Surface
 4. Stainless PowerTop™
 7. Bedliner Work Surface
 8. Bedliner PowerTop™

KRA1403 Series Lockers

Cubic inches (cm ³)	Square inches (cm ²)		Net Weight, lb (kg)	Shipping Weight, lb (kg)
21,707 (565,714)	2,742 (17,690)		367 (166)	410 (185)
	No. of Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	4	25-3/8 (643)	34 (810)	72 (1,829) w/casters

Includes 3 adjustable shelves



KRA1403PB0

KRA2403A Series Lockers

Cubic inches (cm ³)	Square inches (cm ²)		Net Weight, lb (kg)	Shipping Weight, lb (kg)
19,975 (327,321)	2,748 (17,730)		367 (166)	410 (185)
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications		25-3/8 (643)	24 (610)	67-5/8 (1,719) w/casters; 61 (1,549) w/out casters
Drawers	4	20-3/8 (518)	18-1/2 (466)	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.



KRA2403APB0



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
 • Read Safety Precautions on pages W1-W5

CLASSIC SERIES: END CABINET



KRA1406P80

KRA1406 Series End Cab

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
8,671 (145,370)	1,918 (12,374)	232 (105)	267 (121)	
Specifications	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
	6	14-5/8" (371mm)	21-7/8" (557)	24" (610)
Drawers	1	14-5/8" (371mm)	21-7/8" (557)	1-3/4" (45)
	4	14-5/8" (371mm)	21-7/8" (557)	3-15/16" (100)
	1	14-5/8" (371mm)	21-7/8" (557)	10-1/4" (263)

Side capacity 227 lb per drawer.



KRA2406BP80

KRA2406B Series End Cab

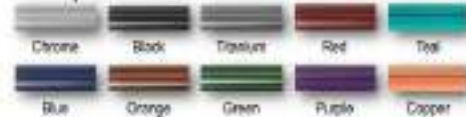
Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
7,574 (124,115)	1,918 (12,374)	220 (99)	256 (117)	
Specifications	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
	6	20-1/4" (514)	24" (603)	39-1/4" (997)
Drawers	3	14-5/8" (371)	21-7/8" (557)	1-11/16" (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 side capacity 125 lb per drawer.

Regular Finish Paint Options:



Trim Options:



Accent Options:

- Available in Chrome or Backout accents.
 Driven by Part Number suffix.
1. Stainless Work Surface
 4. Stainless PowerTop™
 7. Bedliner Work Surface
 8. Bedliner PowerTop™

HERITAGE SERIES: ROLL CABS



KRA5311FPCM



KRA4813FPJK



KRA4107FPWZ

Roll Cabs	Specifications	KRA5311F	KRA4813F	KRA4107F
Capacity	Approx. Cubic Inches (cm ³)	20,000 (327,741)	14,529 (238,100)	15,303 (250,771)
	Approx. Square Inches (cm ²)	5,000 (32,258)	4,030 (26,030)	4,251 (27,425)
	Load Capacity, lb (kg)	2,400 (1,089)	2,400 (1,089)	2,400 (1,089)
Footprint	Width, inches (mm)	53 (1,346)	40 (1,016)	40 (1,016)
	Depth, inches (mm)	20 (508)	20 (508)	20 (508)
	Height, inches (mm)	38-1/2 (978)	38-1/2 (978)	38-1/2 (978)
	Drawer Banks	2	2	1
Drawers	Drawer Count	11	13	7
	Widest Drawer, inches (mm)	48 (1,219)	35 (880)	35 (880)
	Slides, lb (kg) (ball bearing)	120 (54)	120 (54)	120 (54)
	Double Slides	Yes (1 drawer)	Yes (1 drawer)	Yes (1 drawer)
	Extras	Top Mat	Unidirectional Rubber	Unidirectional Rubber
Weight	Net Weight, lb (kg)	340 (158)	280 (127)	275 (125)
	Shipping Weight, lb (kg)	400 (181)	327 (148)	305 (138)
Optional Add-ons	Top Chest	KRA5308F	KRA4114F KRA4810F	KRA4114F KRA4810F
	Side Cab	KRA4820F KRA4830F	KRA4820F KRA4830F	KRA4820F KRA4830F
	Locker	KRA5012F	KRA5012F	KRA5012F
	Middle Drawer Section	—	KRA4860F	KRA4860F
	Hardwood Top	KRWT5300	KRWT40F	KRWT40F
	Stainless Steel Top	KRSST5300	KRSST40F KWSN2040AST	KRSST40F KWSN2040AST



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W1-W4.

HERITAGE SERIES: ROLL CABS



KRA4008FPCM



KRA2007FPC



KRA2005FPBO

Roll Cabs	Specifications	KRA4008F	KRA2106F	KRA2007F	KRA2005F
Capacity	Approx. Cubic Inches (cm ³)	10,000 (163,871)	15,500 (253,999)	10,000 (163,871)	10,000 (163,871)
	Approx. Square Inches (cm ²)	3,000 (19,355)	4,000 (25,806)	2,800 (18,064)	2,400 (15,480)
	Load Capacity, lb (kg)	1,300 (590)	1,300 (590)	1,100 (499)	1,100 (499)
Footprint	Width, inches (mm)	26 (660)	40 (1,016)	26 (660)	26 (660)
	Depth, inches (mm)	20 (508)	20 (508)	20 (508)	20 (508)
	Height, inches (mm)	37 (940)	38 (965)	37 (940)	37 (940)
Drawers	Drawer Banks	1	1	1	1
	Drawer Count	8	6	7	5
	Widest Drawer, inches (mm)	23 (584)	36 (914)	23 (584)	23 (584)
	Slides, lb (kg) (ball bearing)	120 (54)	100 (45)	100 (45)	100 (45)
	Double Slides	Optional	Optional	Optional	Optional
Extras	Top Mat	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber	Unidirectional Rubber
Weight	Net Weight, lb (kg)	163 (83)	265 (120)	170 (77)	162 (73)
	Shipping Weight, lb (kg)	252 (114)	344 (156)	239 (108)	231 (105)
Optional Add-ons	Top Chest	KRA4014F	KRA4114F	KRA2055F	KRA2055F
	Side Cab	—	KRA4820F KRA4830F	—	—
	Locker	—	KRA5012F	—	—
	Middle Drawer Section	KRA2063F	KRA4860F	KRA2063F	KRA2063F
	Hardwood Top	KRWT26F	KRWT40F	KRWT26F	KRWT26F
	Stainless Steel Top	—	KWSN2040AST	—	—



Heritage Series rolls are available in six standard colors. Blackout versions (black trim and logo) are available in Red (BN), Gloss Black (BF), Royal Blue (BE), Electric Orange (BR), Extreme Green (PJ) and Storm Gray (PWZ). Add suffix to base stock number for special colors.

HERITAGE SERIES: ROLL CABS



KRA5311FPCM



KRA4813FPJK



KRA4107FPWZ

TOOL STORAGE

Heritage Series Roll Cab Drawer Sizes

Specifications	Width		Depth		Height		KRA5311F	KRA4813F	KRA4107F
	inches	mm	inches	mm	inches	mm	Drawers	Drawers	Drawers
2" Narrow	11-3/16	285	17-1/2	445	1-5/8	41	3	4	—
4" Narrow	11-3/16	285	17-1/2	445	3-5/8	92	1	1	—
8" Narrow	11-3/16	285	17-1/2	445	7-5/8	193	—	—	—
12" Narrow	11-3/16	285	17-1/2	445	11-5/8	295	1	1	—
2" Wide	21-7/16	544	17-1/2	445	1-5/8	41	—	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	—
4" Extra-wide	34-3/4	881	17-1/2	445	3-5/8	92	3	1	4
8" Wide	21-7/16	544	17-1/2	445	7-5/8	193	—	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							11	13	7



- Read and follow Instructions and Safety Messages in the Manual accompanying the product.
- Read Safety Precautions on pages W1-W4.

HERITAGE SERIES: ROLL CABS



KRA4008FPCM



KRA2106FPB0



KRA2007FPC



KRA2005FPB0

Heritage Series Roll Cab Drawer Sizes

Specifications	Width		Depth		Height		KRA4008F	KRA2106F	KRA2007F	KRA2005F
	inches	mm	inches	mm	inches	mm	Drawers	Drawers	Drawers	Drawers
2" Deep	21-3/8	544	17-1/2	445	1-5/8	41	4	—	2	—
4" Deep	21-3/8	544	17-1/2	445	3-5/8	92	3	—	4	4
4" Deep	36	914	17-1/2	445	3-5/8	92	—	5	—	—
8" Deep	21-3/8	544	17-1/2	445	7-5/8	193	1	—	1	—
8" Deep	36	914	17-1/2	445	7-5/8	193	—	1	—	—
12" Deep	21-3/8	544	17-1/2	445	11-5/8	295	—	—	—	1
Total Drawer Count							8	6	7	5

HERITAGE SERIES: TOP CHESTS



KRA5308FPB0

KRA5308 Series Top Chest

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
12,970 (212,540)	4,191 (27,039)	224 (102)	269 (122)	
Specifications	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
8	2	53-3/8 (1,356)	13-13/16 (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	—	62-3/8 (1,328)	18-3/4 (475)	4-5/8 (118)



Colors Available

Heritage Series units are available in six standard colors. Blackout versions (black trim and logo) are available in Red (BN), Gloss Black (BF), Royal Blue (BE), Electric Orange (BH), Extreme Green (BJ) and Storm Gray (BW). Add suffix to base stock number for special colors.

HERITAGE SERIES: TOP CHESTS

KRA4810 Series Top Chests

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
8,359 (153,370)	3,026 (19,520)	190 (86)	226 (103)	
	No. of Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	8	40 (1,016)	19-13/16 (503)	19-3/8 (492)
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 (542)	17-1/2 (445)	1-5/8 (41)
	2	21-3/8 (542)	17-1/2 (445)	3-5/8 (91)
Top Compartment	39-7/8 W x 18-3/4 D x 4-3/4 H (1,013.6 W x 475.5 D x 118.9 H)			



KRA4810FPJK

KRA4114 Series Top Chests

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
9,746 (159,710)	3,178 (20,500)	183 (83)	213 (97)	
	No. of Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	4	40 (1,016)	19-13/16 (503)	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 W x 18-3/4 D x 4-3/4 H (1,013.6 W x 475.5 D x 119.9 H)			



KRA4114FPCM

KRA4014 Series Top Chests

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
6,100 (101,270)	1,965 (12,670)	119 (54)	142 (64)	
	No. of Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	4	26-3/4 (678)	19-13/16 (503)	19-7/16 (493.7)
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 W x 18-3/4 D x 4-3/4 H (675 W x 475 D x 120 H)			



KRA4014FPC



- Read and follow Instructions and Safety Messages in the Manual accompanying the product.
- Read Safety Precautions on pages W1-W4.

HERITAGE SERIES: TOP CHESTS



KRA2055FPB0



KRA4059FPC

KRA2055F Series Top Chests

Cubic Inches (cm ³)	Square Inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
4,452 (72,855)	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)	17-3/16 (436)
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)

KRA4059F Series Tool Chests

Cubic Inches (cm ³)	Square Inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
4,288 (70,268)	1,753 (11,308)	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)

HERITAGE SERIES: DRAWER SECTIONS



KRA4860FPB0



KRA2063FPC

KRA4860F Series Drawer Sections

Cubic Inches (cm ³)	Square Inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
3,132 (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)

KRA2063F Series Drawer Sections

Cubic Inches (cm ³)	Square Inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
1,792 (29,385)	1,124 (7,252)	78 (35)	94 (43)	
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Specifications	3	26 (660)	19-13/16 (503)	9-13/16 (249)
Drawers	3	21-3/8 (544)	17-9/16 (445)	1-5/8 (41)

Colors Available



Heritage Series units are available in six standard colors. Blackout versions (black trim and logo) are available in Red (BP), Gloss Black (BF), Royal Blue (BE), Electric Orange (BR), Extreme Green (EG) and Storm Gray (PWZ). Add suffix to base stock number for special colors.

HERITAGE SERIES: LOCKERS

KRA5012F Series Lockers

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
10,177 (986,770)	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)



KRA5012FP80

HERITAGE SERIES: END CABINETS

KRA4820F Series End Cab

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)	1-5/16 (38.7)
	3	11-1/8 (283)	17-9/16 (445)	3-1/2 (89.9)
	1	11-1/8 (283)	17-9/16 (445)	11-3/4 (297)



KRA4820FPJK

KRA4830F Series End Cab

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)	—



KRA4830FP80

Optional Add-ons

	Stock No.	Height, inches (mm)
Drawers	5012L71*	2 (51)
	5012L72*	4 (102)

*Slide out 5-05286ALRMS required



- Read and follow Instructions and Safety Messages in the Manual accompanying the product.
- Read Safety Precautions on pages W1-W4

MOBILE SOLUTIONS: WORKSTATION



KEMW361B1PB0

KEMW361 EPIQ™ Series Mobile Workstation

- Stainless steel work top (37 x 30") holds up to 1,000 lb
- Large 30" deep case
- (5) large 30" EPIQ™ InPulse™ drawers: (4) 4" drawers and (1) 6" drawer
- Swivel casters have rigid locking capability with a strong brake system
- EPIQ™ case design: top and bottom panel, and side walls absorb heaviest load and impact
- Includes color-matched slotted accessory wall for mounting of shelves and tool holders

Cubic inches (cm³)	Square inches (cm²)		Net Weight, lb (kg)		Load Capacity, lb (kg)	
18,138 (297,195)	4,134 (26,691)		448 (203)		2,000 (907)	
	Width		Depth		Height	
Drawers	inches	mm	inches	mm	inches	mm
4	30-1/16	764	27-1/2	700	4	101
1	30-1/16	764	27-1/2	700	6-3/16	157
Overall	37	949	30	762	42	1,067

Five Total Drawers

Colors Available



MOBILE SOLUTIONS: ROLL CARTS



KEMN361B1PB0

KEMN361 SideKIQ™ EPIQ™ Series Roll Carts

- Super capacity in a maneuverable footprint—37" wide and 30" deep
- Same 48" height as the EPIQ™ Roll Cab
- Deep 8" top compartment is massive compared to everything else out there—for large prybars, chargers, diagnostics, etc.
- ISO-Ride+™ swivel lock mag wheels with compression puck suspension for a smooth ride over rough surfaces
- InPulse™ drawer retention system is intuitive to use—more than three times stronger than any other system
- (6) heavy-duty drawers hold 227 lb per drawer
- ISO-Ride+™ swivel lock mag wheels with compression puck suspension for a smooth ride over rough surfaces
- Casters are designed to carry 2,000 lb—each will provide a lifetime of rugged use
- Lid styling and height blend with any EPIQ™ Roll Cab
- Radiused trim and inset drawers—no sharp corners

Cubic inches (cm³)	Square inches (cm²)		Net Weight, lb (kg)		Load Capacity, lb (kg)	
26,125 (428,112)	6,027 (38,864)		498 (227)		2,000 (907)	
	Width		Depth		Height	
Drawers	inches	mm	inches	mm	inches	mm
2	30-1/16	764	27-1/2	700	1-11/16	43
3	30-1/16	764	27-1/2	700	4	101
1	30-1/16	764	27-1/2	700	6-3/16	157
Top Compartment	36	914	29	717	8	203
Overall	37	940	30	762	48-3/8	1,229

Six Total Drawers

Colors Available



MOBILE SOLUTIONS: HERITAGE SERIES END CABINETS

KHP415 Series Power Cart (40")

KHP415PBO 40" Four-Drawer Power Cart

- Lockable 40" W x 20" D x 11" H power tool charging and storage compartment includes two adjustable power tool racks and custom power strip
- Compartment designed to securely charge 5+ batteries and hold at least 10 power tools, in a portable unit that rolls to the job
- US designed and made power strip with 15' cord includes (5) 120 V and (2) USB ports that are offset and reversed to make plugging in a pleasure
- Custom handle hole mounted cord wrap posts for wire management
- Quick access 40" W x 20" D top lid opens via gas springs
- Includes 35" W x 4" D Speedrawer with adjustable grid for organization for sockets, bits, fasteners, power tool accessories and attachments
- Six inch vibration absorbing casters provide a more stable environment for tools and equipment
- Four 35" wide drawers for more storage capacity including a 4" Speedrawer

Specifications	KHP415
Shipping Weight, lb (kg)	282 (128)
Cubic inches (cm ³)	16,602 (300,109)
Square inches (cm ²)	3,177 (20,497)
Depth, inches (mm)	20 (508)
Height, inches (mm)	39 (991)
Width, inches (mm)	40 (1,016)
Applications	Mobile storage for rechargeable power tools and Speedrawer organization for accessories and attachments

Colors Available



KHP415PBO

KRSC4130 Series Three-Drawer Workstation Cart (40")

40" Three-Drawer Workstation Cart

- Three 35" wide drawers for more storage capacity
- Bottom section with locking door is 16" H x 36" W x 19" D and holds up to 500 lb
- Heavy duty polymer work top
- 17,500 cubic inches of storage
- Vibration absorbing casters provide a more stable environment for tools and equipment
- Does not include power tools
- KA18X5PC power tool stand sold separately

Specifications	KRSC4130
Description	40" Three-Drawer Workstation Cart
Cubic inches (cm ³)	17,502 (286,806)
Square inches (cm ²)	2,506 (16,168)
Width, inches (mm)	40 (1,016)
Depth, inches (mm)	20 (508)
Height, inches (mm)	39 (991)
Applications	Mobile storage and workspace for all types of hand tools, power tools and accessories

Colors Available



KRSC4130PBO

KRSC413DKPBO – Door Kit for KRSC413 Workstation Cart



- Read and follow Instructions and Safety Messages in the Manual accompanying the product.
- Read Safety Precautions on pages W1-W3

MOBILE SOLUTIONS: ROLL CARTS



KRSC242PB01

KRSC242 Series Heavy-Duty Shop Cart (36")

- Unit is 24" deep for more storage capacity
- Includes KAP55 power strip with (5) AC and (2) USB ports for secure charging in top compartment
- Includes KAP55BRKT Cord Wrap Bracket to manage attached 15' cord
- Includes Speedrawer for small parts organization
- Includes a slotted side panel that can be mounted to handle holes; use on either side to hold shelves, power tool racks and a variety of tool holders
- Top compartment provides openings to store long prybars vertically
- Lockable top section is 7" deep, allowing you to secure any work in progress
- Welded cart body yields lasting strength
- Choose from two durable lid materials: stainless steel or truck bed liner
- Bumpers have a hard interior but soft exterior to reduce damage to other objects
- Six drawers: (2) 2" deep, (2) 4" deep and (2) 6" deep
- Four monoprene swivel casters for better maneuverability and less vibration

Specifications	KRSC242
Description	36" Six-Drawer Heavy-Duty Shop Cart with Work Top
Cubic inches (cm ³)	21,579 (360,171)
Square inches (cm ²)	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)
Casters	6" x 2"
Net Weight, lb (kg)	318 (144)
Shipping Weight, lb (kg)	373 (172)

Colors Available



KRSC46HPB0

KRSC46 Series Roll Carts

- The one-piece fully welded body is designed for maximum strength
- 7" deep flip-top compartment with gas springs
- Top compartment will also store battery charger and can be used as a charging station while locked
- Drawers are 35" wide with 120 lb capacity per drawer; up to 240 lb with double slides
- Round key lock for interchangeability and larger cam for security
- Accessory panels can be added to both sides providing slot pattern for accessories; KRSC404APV panel will allow end cab to be hung from side.
- Top compartment accommodates optional KAP55 Power Strip and KAP55BRKT Cord Wrap with no extra drilling
- Snap-on® KRA-style drawers feature the Lock 'N Roll® system; drawers will not drift open
- Same paint and steel as Snap-on® tool boxes, both sourced and built in the USA
- Optional JKRR46GW55 Rubber Work Mat (not included)

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)	Load Capacity, lb (kg)	
20,783 (340,572)	4,302 (28,335)	265 (120)	2,400 (1,089)	
Specifications	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
	6	40 (1,029)	20 (508)	46 (1,168)
	6	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)	16-13/16 (478)	7 (178)

Colors Available



MOBILE SOLUTIONS: ROLL CARTS

KRSC323 Series Roll Cart

- 2" drawer, 4" drawer and extra deep 6" drawer for power tools and diagnostics
- Manufactured in the USA at our Algona, Iowa Plant and tested to a lifetime quality standard
- Fully welded double-wall construction will not weaken over time like bolt together carts
- Stainless steel bottom storage tray holds up to hard use from heavy bulk items
- 7"-deep top compartment with vertical prybar storage
- 16" open space beneath drawers—access for large items in bottom
- 5 x 2" vibration-resistant casters smooth cart ride
- Prybar and screwdriver shanks are held securely between walls

OPTIONS:

- Top compartment is set up with knock out for optional power and charging unit (KAP55, KAP55BRKT)
- Side Shelf: KRA412G Folding Shelf
- Side Storage: KA1734 Side Panel slotted for tool racks, parts bins, shelves, power tool holders
- JKRR33W55A Rubber Work Surface with raised edges



KRSC323PB0

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)	Load Capacity, lb (kg)	
10,219 (167,459); plus 10,800 (163,671) bottom tray area	2,110 (13,613) plus bottom tray	180 (82)	1,200 (544)	
Specifications	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
	3	32 (813)	20-1/2 (521)	43 (1,092)

Colors Available



KRSC430A Series Roll Cart

- 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
- Two extra sliding drawers located under the sliding lid provide excellent working access to parts and work materials
- More than 5" of depth beneath sliding drawers in top compartment—plenty of room for chargers and vertical socket storage
- 4" SpeedDrawer included for small parts organization
- 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
- Organize large sockets, use as a securable charging station for power tool batteries—designed to accommodate optional KAP55 power strip
- A massive 8" deep bottom drawer is 35" wide will hold large bulky items
- The dual work surfaces are embossed inward around the edges to help keep tools and parts from rolling off
- Soft safety bumpers on each corner help protect vehicles and shop equipment
- Choose stainless steel or black bedliner coated work surface



KRSC430APB01

Specifications	KRSC430
Cubic inches (cm ³)	20,659 (42,474)
Square inches (cm ²)	4,932 (12,527)
Width, inches (mm)	40-1/2 (1025)
Height, inches (cm)	46 (117)
Depth, inches (cm)	20 (51)
Load Capacity, lb (kg)	2400 lb / (1,089)
Lid Capacity, lb (kg)	120 (54) each side
Drawers	6 (including 2 under lid)
Casters	6" x 2"
Net Weight, lb (kg)	262 (112)
Shipping Weight, lb (kg)	312 (135)

Colors Available



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W1-W4.

MOBILE SOLUTIONS: ROLL CARTS



KRSC326FPB0

KRSC326 Series Roll Cart

- Cart body is entirely welded double wall design—not bolted—for lasting strength
- Extra deep 7" top compartment
- Prybar storage section allows vertical storage up to 36"
- Comes fully assembled from the factory, including bumpers, casters and aluminum drawer trim
- Fully welded double side walls
- Stronger lock and cam round key lock for interchangeability and larger cam for security

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)	Load Capacity, lb (kg)	
16,847 (276,073)	3,531 (22,794)	157 (71.2)	1,200 (544)	
Specifications	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Drawers	6	32-11/16 (830)	20-1/2 (520)	46 (1,168)
	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 Dimensions, inches (mm)		32 (812)	16-13/16 (478)	6-11/16 (170)

Colors Available



Chrome Trim and Logo	PBD	PC	PCM	FES	PJK	PJJ	PDG	—	PJH	PU	PRJ	ZBS
Black Trim and Logo	BN	BFI	BET	BDO	BKH	BKG	BQD	POT	BPS	BDC	PWZ	BCD

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



KRSC343PJK

KRSC343 Series Roll Cart

- Cart body is entirely welded double wall design—not bolted—for lasting strength
- Almost 17,000 cubic inches of tool storage
- Lid surface is powder coated to match color of cart
- Surfaces slide independently on 120 lb capacity ball bearing drawer slides
- Extra-deep 7" top compartment
- Organize large sockets, use as a securable charging station for power tool batteries
- Designed to accommodate optional KAPSS and cord wrap KAPSSBRKT
- Prybar/screwdriver storage area inside top compartment
- Full-length 2-point locking lid and separate manual rear lock rod for drawers; more secure than single-point lock used by many other manufacturers
- Independent drawer locking switch inside the top compartment
- (2) shot-molded rubber/nylon corner bumpers help protect nearby objects and provide long-lasting brand identification and professional appearance
- Maneuverable 32" width and quiet; low-vibration rolling
- Rolled edges and a rear flange on drawers provide a solid feel to drawers under load
- Spot welds 3-4" apart

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)	Ball Slide Capacity, lb (kg) per drawer	
16,847 (276,078)	3,533 (22,794)	157 (71.2)	120 lbs (55kg)	
Specifications	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
4" Wide Drawer	5	27-1/8 (688)	17-1/2 (445)	3-5/8 (91)
8" Wide Drawer	1	27-1/8 (688)	17-1/2 (445)	7-5/8 (206)
Top Compartment	—	26 (660)	19-1/8 (485)	6-1/2 (165)
Prybar/Screwdriver Section	2	5 (127)	19-1/8 (485)	6-1/2 (165)
Overall Totals	6	32 (812)	20-1/2 (521)	46 (1,168)

Colors Available



Chrome Trim and Logo	PBD	PC	PCM	FES	PJK	PJJ	PDG	—	PJH	PU	PRJ	ZBS
Black Trim and Logo	BN	BFI	BET	BDO	BKH	BKG	BQD	POT	BPS	BDC	PWZ	BCD

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

KRBC60T Welding Workstation

Cubic Inches (cm ³)	Square Inches (cm ²)		Net Weight, lb (kg)	Load Capacity, lb (kg)
19,804	1,949		295 lb	1,000 (453)
Specifications	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
	3	50-3/4 (1,285)	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

- 3/8" steel-plate work surface
- Four dual-purpose mounting locations serve as accessory mounts 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

KRBC60TEXT² Welding Cart Side Cabinet

- Mounts directly to the current KRBC60T Welding Cart
- Creates 50% additional steel work surface (500 in²)
- Slots-N-Dots™ rear and side panels for mounting additional accessories
- Cord slot in back for better organization of cords and plugs
- 25 x 15 x 25" storage compartment; perfect for adding a Plasma Cutter
- 4" drawer; 24.5 x 15.6 x 4.1" overall size



KRBC60T



KRBC60TEXT

KRP1HD Series Polymer Roll Cart

Specifications	Net Weight, lb (kg)		Load Capacity, lb (kg)		
	37 (16.8)		320 (145)		
	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)		
Top Tray	1	43 (1,092)	21-3/4 (552)	38-1/2 (978)	
	1	43 (1,092)	21-3/4 (552)	3-3/16 (81)	
Bottom Tray	1	43 (1,092)	21-3/4 (552)	2-13/16 (71)	

KRP1HD Series Polymer Roll Cart

- Heavy-duty polymer construction will not scratch painted surfaces, will not corrode and is nonconductive
- 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



KRP1HD

Steel Drawer Dividers

- Made from galvanized steel
- 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)

KADDS2402 2" Drawer Divider Kit

- Tool storage divider set for common 2" wide drawer/24" deep units for the Masters and Classic Series

KADDS2404 4" Drawer Divider Kit

- Tool storage dividers for the wide drawer common on 24" deep units



KADDS2402



- Wear face shield and protective clothing while welding or cutting.
- Do not allow bystanders while welding or cutting.
- Do not overload.
- Follow all safety precautions for welding and cutting.
- Do not open multiple drawers.
- Read safety precautions on pages W1-W4.

MOBILE SOLUTIONS: ROAD CHESTS



KRA6200FP80



KRA6210FP80

KRA6200/KRA6210F Series Heavy-Duty Road Chests

- Corner gussets keep corners square
- Three stiffeners behind front cover provide strength; inside padding protects drawers
- Cover and front are hinged together for quick, 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
- Optional steel drawer divider sets: KADDS2402 2" drawer, KADDS2404 4" drawer

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)	Shipping Weight, lb (kg)	
11,937 (195,812)	3,460 (22,323)	282 (128)*	325 (147)*	
Specifications	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
	4	36 (914)	24 (610)	24 (610)
Drawers	2	30-1/2 (775)	21-3/4 (552)	1-3/8 (44)
	2	30-1/2 (775)	21-3/4 (552)	3-5/8 (92)
Top Compartment	—	34-7/8 (885)	22-1/2 (570)	5-1/2 (139)

*Add 25 lb for saws on KRA6200F

Colors Available



Chrome Trim and Logo	P80	PC	PCM	PJH	PJG	PJK	PDG	PLJ	—	—
Black Trim and Logo	BN	BFI	BET	BPS	BKG	BKH	BQD	PWZ	PQR	PZS

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Optional Waterproof Covers

Stock No.	Description
KRA6200F	Cover (Black)
KRA6200F	Cover (Red)
KRA6210F	Cover (Red)

MOBILE TOOL CHESTS

All Weather Tool Chests

- Heavy-duty roll cage ribs, heavy-duty butterfly hinges and durable, shock-resistant material
- Stainless steel hardware resists corrosion in harsh environments
- Telescoping trolley handle with 43" reach
- Drawers fully extend on Snap-on® proprietary composite slides so entire contents of the drawer may be easily viewed and accessed
- Drawers include positive stops to prevent inadvertent removal
- Configurable drawers
- Drawer material made with Zerust corrosion inhibitor to help prevent tools from rusting
- Fully enclosed ball bearing solid rubber wheels absorb shock and allow for use on grass, gravel or paved surfaces
- 22.1" wheel base on the wide corners for stability
- Pressure relief valve automatically regulates airflow during altitude changes
- Water resistant when submerged to one meter
- 7-1/2 x 10-3/8" U-shaped side handles may be gripped with two hands by up to four and capable of supporting over 250 lbs.
- Snap-in padlock holder with 250 lbs. of break-in resistance
- Stackable design even when fully loaded
- Net weight 44 lbs. (20 kg)
- Meets or exceeds applicable military standards



KMC18062PGR



KMC18062PTN



KMC18043POR



WW-7NS Nonslip Drawer Liner Kit

- For KMC18043 Series seven drawer units only

TCK18043BR Tool Control Kit

- Tool Control Kit for KMC18 seven drawer units only

KMC18-1DRW Single Deep Drawer

- Fits KMC18 and KMOC18

KMC18-2DRW Double Deep Drawer

- Fits KMC18 and KMOC18

RKKMOC18HL Handle Replacement Kit

- For the KMC18 and KMOC18 series of All Weather Tool Chests

RKKMOC18WH Wheel Kit

- For the KMC18 and KMOC18 series of All Weather Tool Chests

Stock No.	Drawers
KMC18043*	7
KMC18062*	8

Stock No.	Drawers
KMOC1804*	4
KMOC1800*	0

Colors Available



Colors Available



KMOC18610RBK All-Weather Open Top Mobile Tool Chest 7 Drawer

- Open Top Compartment with Storage Space of 21.2 W x 15.4 H x 3.2" D when lid is closed
- Fully Extendable drawers with Positive Stops to prevent inadvertent removal
- Drawer material made with Zerust® corrosion inhibitor to help prevent tools from rusting
- All Terrain Wheel and Wheel Well design allow for use on grass, gravel or paved surfaces
- Pressure Relief Valve regulates airflow during altitude changes
- 7-1/2 x 10-3/8" U-shaped side handles that may be gripped with two hands by up to four people
- Side handles capable of supporting over 250 lb
- Stackable design – even when fully loaded
- Snap-in Padlock Holder with 250 lb of break-in resistance
- 304 and 316 stainless steel hardware resists corrosion in harsh environments
- Heavy-duty roll cage ribs, Heavy-duty butterfly hinges and durable, shock-resistant material
- Meets or exceeds applicable military standards
- Telescoping trolley handle with 43" reach
- Configurable drawers – drawers interchangeable with other mobile tool chests



KMOC18610RBK

Tools not included.

Soft-Sided Tool Bag with Wheels

TB50W Soft-Sided Tool Bag with Wheels

- 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
- 36" telescoping handle with wheels to roll rather than carry the bag
- Dimensions: 20" W x 12" D x 12" H



TB50W



• Read and follow instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W1-W4

MOBILE SOLUTIONS: AVIATION DOG BOXES

Aviation Dog Boxes

Aviation technicians told us what they need, and we listened. This line of rolling tool boxes have convenient hand-tow handles. Available in three sizes, these dog

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

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

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



Specifications	KRDB265	KRDB269	KRDB24	KRDB18
Brand	Snap-on®	Snap-on®	Blue-Point®	Blue-Point®
Description	Large, 5-Drawer Dog Box	Large, 9-Drawer Dog Box	Small Dog Box	Medium Dog Box
Storage Space Cubic inches (cm³)	4,452 (72,955)	4,288 (70,268)	2,540 (41,623)	1,530 (25,072)
Storage Space (Square Inches)	1,814 (11,703)	1,793 (11,310)	670 (4,322)	525 (3,387)
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	—	—
Handle Type	Wagon	Wagon	Wagon or Leash (Interchangeable)	Wagon or Leash (Interchangeable)
Grip Type	Soft	Soft	—	—
Wheel Type	Rubber	Rubber	Rubber	Rubber
Removable Chassis	Yes	Yes	Yes	Yes
Length, inches (mm)	26 (660)	26 (660)	24 (610)	18 (457)
Width, inches (mm)	14-3/4 (375)	14-3/4 (375)	12 (305)	10 (254)
Height, inches (mm)	17-1/4 (438)	17-1/4 (438)	12 (305)	13-1/4 (337)
Weight, lb (kg)	103 (47)	103 (47)	55 (25)	32 (14)

Designed to be pulled by hand

Already own a Snap-on® tool box? Add a rolling chassis to create your own dog box

DB18CHASSIS 18" Rolling Chassis

- Includes interchangeable hard and soft handles (Fits KRW48C)

DB24CHASSIS 24" Rolling Chassis

- Includes interchangeable hard and soft handles (Fits KRU24B)

DB26CHASSIS 26" Rolling Chassis

- Includes hard handle only (Fits KRA2055F and KRA4059F)

MOBILE SOLUTIONS: ROLL CARTS (Blue-Point®)

TOOL STORAGE

KRBC50TB Series Roll Cart (Blue-Point®)

- New self-closing drawer retention system keeps drawers from drifting open
- Heavy-duty cart push handle
- 6 x 2" heavy-duty casters (brakes on two of the casters)
- Rugged 1 pc bumper guards
- Retractable side work table
- Prybar and tool holders on each side of the cart
- Can holder included

Specifications	KRBC50TB
Cubic inches (cm ³)	11,283 (184,900)
Square inches (cm ²)	3,314 (21,380)
Width, inches (mm)	38 (914)
Height, inches (mm)	42 (1,071)
Depth, inches (mm)	22-3/8 (569)
Load Capacity, lb (kg)	800 (362)
Drawers	5
Caster Size, inches	6 x 2
Net Weight, lb (kg)	160 (81.5)
Shipping Weight, lb (kg)	216 (98)

Does not include bottom tray

Colors Available



KRBC50TB

KRBC100A Series Shop Cart (Blue-Point®)

- Bulk items (up to 18" tall, 31" wide or 19" deep) can be secured behind the rolling locking door
- (2) narrow drawers and (2) wide drawers
- Locking pry bar cabinet can accommodate (20) prybars and/or screwdrivers
- Factory installed slot-attached bumpers, no adhesive, help to protect nearby vehicles
- Slotted side panels hold Snap-on® slotted accessories
- Lockable top section is 5" deep

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)	Load Capacity, lb (kg)	
18,749 (307,241)	2,901 (18,716)	205 (91)	800 (362)	
Specifications	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Drawers	1	26 (670)	18 (444)	5 (116)
	2	12 (314)	18 (444)	2 (51)
Top Compartment	1	31 (794)	20 (495)	5 (126)

Colors Available



KRBC100ABKG



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
 • Read Safety Precautions on pages W1-W4.

MOBILE SOLUTIONS: ROLL CARTS (Blue-Point®)



KRBC200A Series Shop Cart (Blue-Point®)

- Top compartment is 13-1/2" deep to accommodate power tool holder, standing storage of power tools with batteries, magnetic wrench racks, deep sockets and personal bulk items
- Charging Capability: Top area is designed for optional KAP55 Power Strip with (5) offset AC outlets and (2) USB outlets, KAP55BRKT Cord Wrap Bracket for 15' cord
- Sliding lid for easy top compartment access
- (5) wide drawers and (2) bottom drawers are almost 5" deep
- Locking prybar cabinet included
- Rugged corner bumpers (improved non-adhesive mechanical installation)
- Rubber raised edge work surface
- Seven great-looking Blackout colors, black trim, black logo
- Slotted side panels hold Snap-on® accessories: KAS12APWRPC Power Tool Rack; KAS12APV Shelf, KAHK63 Hooks, KAT12APV 12" Can Tray, KATR12PV T-Handle Rack

Cubic inches (cm ³)	Square inches (cm ²)	Net Weight, lb (kg)	Load Capacity, lb (kg)	
18,574 (304,367)	4,803 (30,989)	180 (82)	500 (227)	
Specifications	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
	3	27 (679)	18 (444)	2 (51)
	2	27 (679)	18 (444)	5 (116)
Top Compartment	1	31 (788)	20 (496)	18 (412)
Prybar Cabinet	1	15 (380)	4 (101)	9 (229)

Colors Available



KRBCP50 Series Shop Cart (Blue-Point®)

- Large unit with five drawers, 11,283 cubic inches of storage capacity
- Power outlets under lid: (3) standard and (2) USB
- Five drawers (3 wide, 2 narrow)
- Updated blackout components (casters, lock, handles blacked out)
- Includes 18" side shelf and a side storage tray

Specifications	KRBCP50
Square inches (cm ²)	3,914 (21,381)
Net Weight, lb (kg)	183 (83)
Shipping Weight, lb (kg)	213 (97)
Depth, inches (mm)	21 (533)
Height, inches (mm)	42 (1,067)
No. of Drawers	5
Cubic inches (cm ³)	11,283 (184,895)
Load Capacity, lb (kg)	1,200 (544)
Top Compartment Dimensions, inches (mm)	35 W x 21 D x 5 H (889 W x 533 D x 127 H)

Colors Available



MOBILE SOLUTIONS: ROLL CARTS (Blue-Point®)

KRBCKS30 32" Sliding Lid, 12" Deep Top Compartment, Three-Drawer Roll Cart (Blue-Point®)

- 12" deep top compartment allows standing storage of power tools, batteries and go-to equipment items
- Sliding lid makes top compartment access easy without moving work in process
- Three wide drawers; 3" deep bottom tray
- Charging capability: top area is designed for optional KAP55 Power Strip which has (5) offset AC outlets and (2) USB outlets, KAP55BRKT Cord Wrap for 15' cord (for power tool storage optional KA18X5PC Five Tool Rack is recommended)
- Seven great-looking blackout colors, black trim with black logo

Cubic inches (cm ³)	Square inches (cm ²)		Net Weight, lb (kg)	Shipping Weight, lb (kg)
11,399 (185,790)	3,314 (21,381)		163 (83)	213 (97)
Specifications	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Drawers	3	35 (899)	21 (533)	42 (1,067)
Top Compartment Dimensions, inches (mm)	—	31 (787)	17 (432)	12 (305)
Bottom Shelf	—	31 (787)	19.5 (495)	3" (76)

Colors Available



KRBCKS30BN

KRBCKF40 Series 32" Four-Drawer Roll Cart (Blue-Point®)

- Flip lid with gas spring closure for convenient access to top compartment with screwdriver storage
- Narrow drawers (2) and wide drawers (2) for organizing different types of tools
- Strong, press fit custom molded bumpers for a professional appearance
- Four swivel casters for easy maneuverability
- Slotted side panels hold optional Snap-on® accessories: KAS12APWRPC Power Tool Rack; KAS12APV Shelf, KAT12APV 12" Can Tray, KATR12PV T-Handle Rack
- Seven great-looking blackout colors, black trim with black logo

Cubic inches (cm ³)	Square inches (cm ²)		Net Weight, lb (kg)	Shipping Weight, lb (kg)
9,183 (150,482)	2,863 (18,471)		185 (84)	216 (98)
Specifications	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
Drawers	2	12.5	17.5	2
	1	26.73	17.5	2
	1	26.73	17.5	4.6
Top Compartment Dimensions, inches (mm)	—	31 (787)	19 (483)	5 (127)
Bottom Shelf	—	31.5 (800)	19.5 (500)	3.5 (88)

Colors Available



KRBCKF40BN



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W1-W4

MOBILE SOLUTIONS: ROLL CARTS (Blue-Point®)



KRBC10TB

KRBC10TB Series Roll Cart (Blue-Point®)

- 2,400 in³ (7,428 in³) of storage space and 540 lb load capacity
- Locking flip top with gas shocks
- (4) locking drawers when lid is closed
- Screwdriver storage is in top compartment
- Retractable side work table
- Quick-disconnect system for the gas shocks allows the lid to be turned over the back of the cart 270° for full access to the cart from the front, back and sides
- Plated fasteners resist corrosion and self-locking nuts ensure a rigid, secure assembly
- Locking support tabs add strength, increase load capacity and facilitate quick assembly
- Protective rubber bumpers
- Made from heavy-gauge steel for superior strength
- Comes with casters assembled

	Cubic inches (cm ³)		Square inches (cm ²)		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 (521)	41-1/4 (1,048)		
	2	11-1/2 (292)	17-1/2 (444)	2-1/2 (63.5)		
Drawers	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 (395)	4 (101)	3-3/8 (85.9)		
External Tray (front)	—	15-3/8 (395)	4 (101)	2 (50.8)		

Colors Available



KRBC7TD

KRBC7TD Series Roll Cart (Blue-Point®)

- Four swivel casters (two locking)
- Six liners on drawer and tray, and one rubber mat on 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
- Provides secure mobile tool storage
- Tubular locks on lid and prybar compartment
- 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)	
	2	13-13/16 (350)	15-3/8 (398)	2 (50.8)	
Drawers	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)	

Colors Available



MOBILE SOLUTIONS: ROLL CARTS (Blue-Point®)

KRBC2T Series Roll Cart (Blue-Point®)

- 150-lb load capacity
- Rugged construction with rolled edges and welded post holders
- 4 x 1-1/8" casters, two locking and two standard
- Trays feature rolled edges for improved strength and rigidity
- Trays measure 30" W x 17" D
- Casters are 4 x 1-1/8" (two locking and two standard)

KRBC2TD	Net Weight, lb (kg)		Load Capacity, lb (kg)	
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
	—	30 (762)	17 (432)	41 (1,041)
Specifications	—	30 (762)	17 (432)	41 (1,041)
Trays	2	30 (762)	17 (432)	—

KRBC3TD-1 Locking Drawer

- Optional add-on locking drawer for KRBC2TD
- 350ABMF09 Replacement Add-On Tray**

Colors Available



KRBC3T Series Roll Cart (Blue-Point®)

- 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
- Friction drawer slides
- 4 x 1-1/8" casters (two locking, two standard)

KRBC3T	Net Weight, lb (kg)		Load Capacity, lb (kg)	
	Drawers	Width, inches (mm)	Depth, inches (mm)	Height, inches (mm)
	—	32 (813)	17-13/16 (452)	41 (1,041)
Specifications	—	30 (762)	17 (428)	3 (76.2)
Trays	2	30 (762)	17 (428)	3 (76.2)
Drawer	1	27 (685)	14-1/2 (368)	4 (101)

KRBC3TD-1 Locking Drawer

- Optional add-on locking drawer for KRBC2TD and KRBC3TE

KRBC3TE Roll Cart (Blue-Point®)

Colors Available



- Read and follow Instructions and Safety Messages in the Manual accompanying the product.
- Read Safety Precautions on pages W1-W4.

SERVICE TRAYS

SOSTPCA² Automotive Service Tray

- 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
- Tray will hold maximum of 125 lb and the drawer 25 lb

SOSTPLUS¹ Truck Service Tray PLUS

- New taller design means it can be used on trucks
- Wider base to handle the taller height; provides better stability
- Large, heavy-duty casters for easier moving
- Top is able to rotate approximately 45° slightly left or right of center
- Hang more accessories with the larger top tray side wall/lip
- Larger tray provides more surface space
- Larger crank gear for less cranking to raise and lower the tray
- Bigger bottom basket for even more storage underneath



SOSTPCA



SOSTPLUS

BLPUHSTPC² Underhood Service Tray (Blue-Point[®])

- 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 the vehicle
- Parts dividers and screwdriver holders built into 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)



BLPUHSTPC

BOXES AND TOTE TRAYS



YA481

Plastic Boxes

Plastic tool boxes are ideal for a wide range of storage needs. YA481-BLK and YA483-BLK are made of tough injection-molded black plastic to ensure a durable precise fitting lid. Top carrying handle, tension latches, tote tray and padlock provision are also featured

Stock No.	Dimensions, inches
YA481-BLK	14-1/2 W x 7-1/4 D x 4-1/2 H
YA483-BLK	20-1/4 W x 9 D x 7-3/4 H

STORAGE CASES, TOTE TRAYS AND WALL CABINETS

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

YA485 Parts Storage Case (Blue-Point®)

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



Tote Trays

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" L x 10-1/4" W x 6-7/8" H

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

KTABPV 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 14-13/16" L x 10" W x 3-13/16" H with handle down
- Black textured finish



Wall Cabinets

KRA276D 33-7/8" Two-Door Wall Cabinet

- Wall cabinet provides security and inventory control
- 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" W x 24-3/4" H x 6" D



• Do not open multiple drawers.

†These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.

• Read safety precautions on pages W3-W4

BOXES AND TOTE TRAYS



KRW184B



KRA25D



KRW48C



UT22K



KRW182B



KRA24



KR024B

Metal Boxes

Stock No.	Cubic inches (cm ³)	Square inches (cm ²)	Dimensions, inches	Description/Features
KRW184B	1,851 (30,330)	684 (4,413)	Overall: 20-13/32 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-Drawer Locking Box with Lid (Blue-Point®)
KRA25D	1,568 (25,696)	180 (1,161)	20-7/8 x 8-3/4 x 8-3/4	Metal Box with Partitioned Tote Tray (Blue-Point®)
KRW48C	1,530 (25,070)	476 (3,071)	18 x 10 x 13-1/4	Cantilever Lid (Blue-Point®)
UT22K	1,444 (23,660)	525 (3,387)	Overall: 22 x 8 x 8; 4 Small Trays: 22 x 4 x 2	22" Long Cantilever Box
KRW182B	1,137 (18,630)	—	18-1/2 x 8-1/2 x 8-1/2	Two-Drawer Locking Box with Lid (Blue-Point®)
KRA24	1,155 (18,930)	154 (994)	19-7/8 x 7-3/4 x 7-1/2	Box with Tote Tray
KR024B	2,540 (41,623)	670 (4,322)	Bottom Section: 23-3/5 x 11-3/5 x 7-1/4	Red 24" Long Box with Cantilever Under Lid (Blue-Point®)

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 hook-and-loop 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" H

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" L x 10" W x 8" H

TB40 Tote Bag

- Lots of cargo space for cordless tools, etc.
- Heavy-duty shoulder strap
- Water-resistant D-polyester fabric and reinforced top hem for sturdy construction
- Multiple pockets, inside and out
- Wide opening for easy access
- Heavy-duty zippers
- Will hold an 18" pry-bar in diagonal mounts on the inside wall
- Maximum carrying capacity of 27 lb
- Overall dimensions 17" L x 9" W x 11" H

TB50 Tote Bag

- Multiple pockets both inside and on the exterior
- Easy grip handle
- Special hard body design
- Overall dimensions 20 x 11 x 9"

CTTOTE Power Tool Tote Bag

- Wide opening for easy access to tools—extra padding for protection
- Durable 600 Denier exterior 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 (457 x 203 x 292 mm)

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



TB10A



TB20A



TB30



TB40



TB50



CTTOTE



BPTOTE



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
 • Read Safety Precautions on pages W1-W4

STATIONARY STORAGE

- SpeedDrawer capability in every drawer: a wide selection of color-matching dividers to organize parts and a shop's common-use tools
- Patented Lock 'N Roll® System makes opening the drawers a snap and prevents them from drifting open
- Heavy-duty superior ball bearing drawer slides for smooth, dependable performance
- Corner gusset design strengthens without reducing storage capacity
- Pallet jack base: 11-gauge base provides a stationary platform
- Drawer Labels: each drawer has a label on drawer trim for customization and organization



KSDB051AAPBN



KSDT051AZBB



KSDC071AZBB



KSDB041AAPB



KSDS081AAPB



KSDS081AAPBN

Stationary Storage Drawer Sizes and Configurations

Base Stock No.	Description	Drawers	Drawer Configuration (Qty)
KSND032	Narrow Desk	3	(1) 2", (1) 4", (1) 12"
KSNB051	Narrow Bench	5	(2) 2", (1) 4", (1) 6", (1) 8"
KSNT051	Narrow Tall Bench	5	(1) 2", (1) 4", (2) 6", (1) 8"
KSNC071	Narrow Counter	7	(2) 2", (3) 4", (1) 6", (1) 8"
KSNS081	Narrow Standing Counter	8	(2) 2", (4) 4", (1) 6", (1) 8"
KSNE101	Narrow Eye Level	10	(2) 2", (4) 4", (3) 6", (1) 8"
KSPD041	Standard Plus Desk	4	(1) 2", (2) 4", (1) 8"
KSPB051	Standard Plus Bench	5	(2) 2", (1) 4", (1) 6", (1) 8"
KSPT031	Standard Plus Tall Bench	3	(1) 2", (2) 12"
KSPC061	Standard Plus Counter	6	(4) 4", (1) 6", (1) 8"
KSPS081	Standard Plus Standing Counter	8	(2) 2", (4) 4", (1) 6", (1) 8"
KSPE081	Standard Plus Eye Level	8	(2) 4", (5) 6", (1) 8"
KSED041	Extra-Wide Desk	4	(1) 2", (2) 4", (1) 8"
KSEB051	Extra-Wide Bench	5	(2) 2", (1) 4", (1) 6", (1) 8"
KSET051	Extra-Wide Tall Bench	5	(1) 2", (1) 4", (2) 6", (1) 8"
KSEC071	Extra-Wide Counter	7	(2) 2", (3) 4", (1) 6", (1) 8"

Base Stock No.	Description	Drawers	Drawer Configuration (Qty)
KSES081	Extra-Wide Standing Counter	8	(2) 2", (4) 4", (1) 6", (1) 8"
KSEE101	Extra-Wide Eye Level	10	(2) 2", (4) 4", (3) 6", (1) 8"
KSDD041	Double-Wide Desk	4	(1) 2", (2) 4", (1) 8"
KSDB051	Double-Wide Bench	5	(2) 2", (1) 4", (1) 6", (1) 8"
KSDT051	Double-Wide Tall Bench	5	(1) 2", (1) 4", (2) 6", (1) 8"
KSDC071	Double-Wide Counter	7	(2) 2", (3) 4", (1) 6", (1) 8"
KSDS081	Double-Wide Standing Counter	8	(2) 2", (4) 4", (1) 6", (1) 8"
KSEI101	Double-Wide Eye Level	10	(2) 2", (4) 4", (3) 6", (1) 8"
KSSD041	Standard Width Desk	4	(1) 2", (2) 4", (1) 8"
KSSB061	Standard Width Bench	6	(2) 2", (3) 4", (1) 6"
KSST051	Standard Width Tall Bench	5	(1) 2", (1) 4", (2) 6", (1) 8"
KSSC071	Standard Width Counter	7	(2) 2", (3) 4", (1) 6", (1) 8"
KSSS081	Standard Width Standing Counter	8	(2) 2", (4) 4", (1) 6", (1) 8"
KSSE101	Standard Width Eye Level	10	(2) 2", (4) 4", (3) 6", (1) 8"

Colors Available

Red
 Gloss Black (PB)
 Royal Blue (PCN)
 Arctic Silver (ZBB)

Storage units are available in four standard colors. Add suffix to base stock number for special colors.



KSNE101AAPB



KSNS081AAZBB



KSNC071AAPCN



KSNT051AAPBN



KSNB051AAPB



KSND032AAPB

Narrow Width Stationary Storage

Stationary Storage	Specifications	KSNE101AA	KSNS081AA	KSNC071AA	KSNT051AA	KSNB051AA	KSND032AA
	Description	10-Drawer Narrow Eye-Level	Eight-Drawer Narrow Standing Counter	Seven-Drawer Narrow Counter	Five-Drawer Narrow Tall Bench	Five-Drawer Narrow Bench	Three-Drawer Narrow Desk
Capacity	Square inches (cm ²)	4,694 (30,286)	3,756 (24,229)	3,266 (21,200)	2,347 (15,143)	2,347 (15,143)	1,408 (9,086)
	Cubic inches (cm ³)	21,583 (355,328)	15,888 (260,353)	14,032 (229,944)	12,405 (203,281)	10,321 (169,125)	8,694 (142,462)
Footprint	Width, inches (mm)	22-1/2 (572)	22-1/2 (572)	22-1/2 (572)	22-1/2 (572)	22-1/2 (572)	22-1/2 (572)
	Depth, inches (mm)	29 (737)	29 (737)	29 (737)	29 (737)	29 (737)	29 (737)
	Height (unit only), inches (mm)	60-3/4 (1,543)	47-7/16 (1,204)	43 (1,092)	38-1/2 (978)	34-1/8 (867)	29-11/16 (753)
Drawers	No. of Drawers	10	8	7	5	5	3
	Base Type	Pallet Jack	Pallet Jack	Pallet Jack	Pallet Jack	Pallet Jack	Pallet Jack
	Slides, lb (kg) (ball bearing)	227 (103)	227 (103)	227 (103)	227 (103)	227 (103)	227 (103)
	Double Slide (included)	No	No	No	No	No	No
Extras	Work Surface	Non-Directional Rubber	Non-Directional Rubber	Non-Directional Rubber	Non-Directional Rubber	Non-Directional Rubber	Non-Directional Rubber



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
 • Read Safety Precautions on pages W1-W4

STATIONARY STORAGE



KSSSE101AAZBB



KSSS081AAPBN



KSSC071AAPCN



KSST051AAPBN



KSSB061AAPB



KSSD041AAPB

Standard Width Stationary Storage

Stationary Storage	Specifications	KSSSE101AA	KSSS081AA	KSSC071AA	KSST051AA	KSSB061AA	KSSD041AA
	Description	10-Drawer Standard Eye-Level	Eight-Drawer Standard Standing Counter	Seven-Drawer Standard Counter	Five-Drawer Standard Tall Bench	Six-Drawer Standard Bench	Four-Drawer Standard Desk
Capacity	Square inches (cm ²)	6,712 (43,302)	5,369 (34,841)	4,698 (30,311)	3,366 (21,851)	4,827 (31,361)	2,685 (17,321)
	Cubic inches (cm ³)	31,002 (598,025)	22,715 (372,236)	20,062 (328,758)	17,736 (290,638)	14,429 (236,448)	12,103 (196,327)
Footprint	Width, inches (mm)	30 (762)	30 (762)	30 (762)	30 (762)	30 (762)	30 (762)
	Depth, inches (mm)	29 (737)	29 (737)	29 (737)	29 (737)	29 (737)	29 (737)
	Height (unit only), inches (mm)	60-3/4 (1,543)	47-7/16 (1,204)	43 (1,092)	38-1/2 (978)	34-1/8 (887)	29-11/16 (753)
Drawers	No. of Drawers	10	8	7	5	6	4
	Base Type	Pallet Jack	Pallet Jack	Pallet Jack	Pallet Jack	Pallet Jack	Pallet Jack
	Slides, lb (kg) (ball bearing)	227 (103)	227 (103)	227 (103)	227 (103)	227 (103)	227 (103)
	Double Slide (included)	Yes (8 drawers)	Yes (6 drawers)	Yes (5 drawers)	Yes (4 drawers)	Yes (4 drawers)	Yes (3 drawers)
Extras	Work Surface	Non-Directional Rubber	Non-Directional Rubber	Non-Directional Rubber	Non-Directional Rubber	Non-Directional Rubber	Non-Directional Rubber



Storage units are available in four standard colors: Red (PBN), Gloss Black (PB), Royal Blue (PCN), Arctic Silver (ZBB). Add suffix to base stock number for special colors.



KSPE081AAPB



KSPS081AAPBN



KSPC061AAPCN



KSPT031AAPBN



KSPB051AAPB



KSPD041AAPBN

Standard Plus Width Stationary Storage

Stationary Storage	Specifications	KSPE081AA	KSPS081AA	KSPC061AA	KSPT031AA	KSPB051AA	KSPD041AA
	Description	Eight-Drawer Standard Plus Eye-Level	Eight-Drawer Standard Plus Standing Counter	Six-Drawer Standard Plus Counter	Three-Drawer Standard Plus Tall Bench	Five-Drawer Standard Plus Bench	Four-Drawer Standard Plus Desk
Capacity	Square inches (cm ²)	5,587 (42,488)	5,587 (42,488)	4,940 (31,873)	2,478 (15,937)	4,117 (26,561)	3,294 (21,245)
	Cubic inches (cm ³)	38,835 (636,384)	27,867 (455,657)	25,013 (409,891)	22,560 (369,695)	18,102 (295,644)	14,847 (243,306)
Footprint	Width, inches (mm)	35-5/8 (905)	35-5/8 (905)	35-5/8 (905)	35-5/8 (905)	35-5/8 (905)	35-5/8 (905)
	Depth, inches (mm)	29 (737)	29 (737)	29 (737)	29 (737)	29 (737)	29 (737)
	Height (unit only), inches (mm)	60-3/4 (1,543)	47-7/16 (1,204)	43 (1,092)	38-1/2 (978)	34-1/8 (867)	29-11/16 (753)
Drawers	No. of Drawers	8	8	6	3	5	4
	Base Type	Pallet Jack	Pallet Jack	Pallet Jack	Pallet Jack	Pallet Jack	Pallet Jack
	Slides, lb (kg) (ball bearing)	227 (103)	227 (103)	227 (103)	227 (103)	227 (103)	227 (103)
	Double Slide (Included)	Yes (5 drawers)	Yes (6 drawers)	Yes (6 drawers)	Yes (2 drawers)	Yes (3 drawers)	Yes (3 drawers)
Extras	Work Surface	Non-Directional Rubber	Non-Directional Rubber	Non-Directional Rubber	Non-Directional Rubber	Non-Directional Rubber	Non-Directional Rubber



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
 • Read Safety Precautions on pages W1-W4

STATIONARY STORAGE



KSEE101AAZBD



KSES081AAPBN



KSEC071AAPB



KSET051AAPCN



KSEB051AAPB



KSED041AAPBN

Extra Wide Width Stationary Storage

Stationary Storage	Specifications	KSEE101AA	KSES081AA	KSEC071AA	KSET051AA	KSEB051AA	KSED041AA
	Description	10-Drawer Extra-Wide Eye-Level	Eight-Drawer Extra-Wide Standing Counter	Seven-Drawer Extra-Wide Counter	Five-Drawer Extra-Wide Tall Bench	Five-Drawer Extra-Wide Bench	Four-Drawer Extra-Wide Desk
Capacity	Square inches (cm²)	10,757 (69,402)	8,606 (55,521)	7,530 (48,581)	5,379 (34,701)	5,379 (34,701)	4,303 (27,761)
	Cubic inches (cm³)	48,085 (787,971)	35,125 (575,589)	31,033 (508,632)	27,625 (452,687)	22,848 (374,418)	18,756 (307,381)
Footprint	Width, inches (mm)	45 (1,143)	45 (1,143)	45 (1,143)	45 (1,143)	45 (1,143)	45 (1,143)
	Depth, inches (mm)	29 (737)	29 (737)	29 (737)	29 (737)	29 (737)	29 (737)
	Height (unit only), inches (mm)	60-3/4 (1,543)	47-7/16 (1,204)	43 (1,092)	38-1/2 (978)	34-1/8 (867)	29-11/16 (753)
Drawers	No. of Drawers	10	8	7	5	5	4
	Base Type	Pallet Jack	Pallet Jack	Pallet Jack	Pallet Jack	Pallet Jack	Pallet Jack
	Slides, lb (kg) (ball bearing)	227 (103)	227 (103)	227 (103)	227 (103)	227 (103)	227 (103)
	Double Slide (included)	Yes (5 drawers)	Yes (6 drawers)	Yes (5 drawers)	Yes (4 drawers)	Yes (3 drawers)	Yes (3 drawers)



Storage units are available in four standard colors: Red (PBN), Gloss Black (PB), Royal Blue (PCN), Arctic Silver (ZBR). Add suffix to base stock number for special colors.



KSDE101AAPB



KSDS081AAPBN



KSDC071AAPCN



KSDT051AAPB



KSDB051AAPBN



KSD0041AAPCN

Double Wide Width Stationary Storage

Stationary Storage	Specifications	KSDE101AA	KSDS081AA	KSDC071AA	KSDT051AA	KSDB051AA	KSD0041AA
	Description	10-Drawer Double-Wide Eye-Level	Eight-Drawer Double-Wide Standing Counter	Seven-Drawer Double-Wide Counter	Five-Drawer Double-Wide Tall Bench	Five-Drawer Double-Wide Bench	Four-Drawer Double-Wide Desk
Capacity	Square inches (cm ²)	14,603 (95,501)	11,842 (76,401)	10,362 (66,851)	7,401 (47,751)	7,401 (47,751)	5,921 (38,201)
	Cubic inches (cm ³)	66,168 (1,084,304)	48,334 (792,052)	42,703 (699,777)	38,013 (622,929)	31,441 (515,226)	25,810 (422,951)
Footprint	Width, inches (mm)	60 (1,524)	60 (1,524)	60 (1,524)	60 (1,524)	60 (1,524)	60 (1,524)
	Depth, inches (mm)	29 (737)	29 (737)	29 (737)	29 (737)	29 (737)	29 (737)
	Height (unit only), inches (mm)	60-3/4 (1,543)	47-7/16 (1,204)	43 (1,092)	38-1/2 (978)	34-1/8 (867)	29-11/16 (753)
Drawers	No. of Drawers	10	8	7	5	5	4
	Base Type	Pallet Jack	Pallet Jack	Pallet Jack	Pallet Jack	Pallet Jack	Pallet Jack
	Slides, lb (kg) (ball bearing)	227 (103)	227 (103)	227 (103)	227 (103)	227 (103)	227 (103)
	Double Slide (Included)	Yes (8 drawers)	Yes (6 drawers)	Yes (5 drawers)	Yes (4 drawers)	Yes (3 drawers)	Yes (3 drawers)



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
 • Read Safety Precautions on pages W1-W4

ACCESSORIES: WORK SURFACES



KWSN2455AST



KWSP2954BST

Stainless Steel Work Surfaces and Power Tops

Stainless steel tops turn roll cabs into moveable workbenches. Constructed from high-grade, 16-gauge 304 stainless steel. Marine edge keeps sockets and parts from rolling off. Tops are 1-7/8" thick. Installation hardware included.

Stock No.	Use on	Width, inches (mm)	Depth, inches (mm)
KRSST3300	KRA3316, KRA3311	53-1/16 (1,347)	19-1/2 (495)
KS2924ASTN	22-1/2" Stationary Storage	22-3/8 (568)	29 (737)
KS2930ASTN	30" Stationary Storage	30 (762)	29 (737)
KS2936ASTN	35-5/8" Stationary Storage	35-1/2 (902)	29 (737)
KS2945ASTN	45" Stationary Storage	44-7/8 (1,140)	29 (737)
KS2960ASTN	60" Stationary Storage	59-7/8 (1,521)	29 (737)
KS2972ASTN	72" Stationary Storage	71-5/32 (1,807)	29 (737)
KS2990ASTN	90" Stationary Storage	89-7/8 (2,283)	29 (737)
KWSN2040AST	KRA Series 40" Roll Cabs, Square Corner	39-3/4 (1,010)	19-1/2 (495)
KWSN2436BST	KRA2407	35-9/16 (903)	23-7/8 (606)
KWSN2455AST	KCP1422, KCP2422, KRA2422, KRA2411	54-7/16 (1,382)	24 (610)
KWSN2473AST	KCP1423, KCP2423, KRA2423, KRA2432, KRA2490	73-3/8 (1,864)	23-7/8 (606)
KWSN2920ST	KRL1058, KRL1011, KRL1015, KMP7099, KMP1099	29 (737)	20 (508)
KWSN2954AST	KTL1022, KMP1022	54-3/16 (1,376)	29 (737)
KWSN2973AST	KTL1023, KMP1023, KRL1033, KMP1033	72-13/16 (1,849)	29 (737)
KWSN3060BST	KERN602, KETN602, KERN602, KETP602	60 (1,524)	30 (762)
KWSN3068BST	KERN681, KETN682, KETP682	68 (1,727)	30 (762)
KWSN3084BST	KERN842, KERP842, KETN843, KETP843	84 (2,134)	30 (762)
KWSN711ST	KRL711, KRL715, KMP710	24 (610)	20 (508)
KWSN722AST	KRL722	54 (1,371)	24 (610)
KWSP2455AST	KRA2411, KRA2422, KCP2422, KCP1422	54-7/16 (1,382)	24 (610)
KWSP2473AST	KRA2423, KRA2432, KRA2496, KCP2423, KCP1423	73 (1,854)	24 (610)
KWSP2954BST	KMP1022, KTL1022	54 (1,371)	29 (737)
KWSP2973BST	KMP1023, KTL1023, KMP1033, KRL1033	73 (1,854)	29 (737)
KWSP3060DST	KETN602	60 (1,524)	30 (762)
KWSP3068DST	KERN681, KETN682, KETP682	68 (1,727)	30 (762)
KWSP3084DST	KERN842, KERP842, KETN843, KETP843	84 (2,134)	30 (762)
KWSP722CST	KRL722	54 (1,371)	24 (610)

ACCESSORIES: WORK SURFACES

Bedliner Work Surfaces

The steel work surface is coated with a substance similar to that used in truck beds. Extremely durable, easy to clean, chemical and abrasion resistant, and won't crack or peel. Installation hardware is included. Tops are 1-7/8" thick.



KWSN711BL

Stock No.	Use on	Depth, inches (mm)	Width, inches (mm)
KS2924ABLN	22-1/2" Stationary Storage	29 (737)	22-7/16 (570)
KS2930ABLN	30" Stationary Storage	29 (737)	30 (762)
KS2936ABLN	35-5/8" Stationary Storage	29 (737)	35-1/2 (902)
KS2945ABLN	45" Stationary Storage	29 (737)	44-7/8 (1,140)
KS2960ABLN	60" Stationary Storage	29 (737)	59-7/8 (1,521)
KS2972ABLN	72" Stationary Storage	29 (737)	71-5/32 (1,807)
KS2990ABLN	90" Stationary Storage	29 (737)	89-7/8 (2,283)
KWSN2420BL	KRA2406, KRA2906A, KRA1406	23-7/8 (606)	20 (508)
KWSN2436BBL	KRA2407	24 (610)	36 (914)
KWSN2455ABL	KCP1422, KCP2422, KRA2422, KRA2411	24 (610)	54-7/16 (1,382)
KWSN2473ABL	KRA2423, KRA2432, KRA2496, KCP2413, KCP1423	24 (610)	73 (1,854)
KWSN2920BL	KRL1090, KRL1011, KRL1015, KMP7099, KMP1099	20 (508)	29 (737)
KWSN2954ABL	KTL1022, KMP1022	29 (737)	54-3/16 (1,376)
KWSN2973ABL	KMP1023, KTL1023, KRL1033, KMP1033	29 (737)	72-13/16 (1,849)
KWSN3060ABL	KETN602	30 (762)	60 (1,524)
KWSN3068ABL	KERN681, KETN682, KETP682	30 (762)	68 (1,727)
KWSN3084ABL	KERN642, KERP642, KETN643, KETP643	30 (762)	84 (2,134)
KWSN722ABL	KRL722	24 (610)	54-3/16 (1,376)
KWSN711BL	KRL711, KRL715, KMP709	20 (508)	24 (610)



KWSP2473ABL

Bedliner PowerTop™

Stock No.	Use on	Depth, inches (mm)	Width, inches (mm)
KWSP2455ABL	KRA2411, KRA2422, KCP2422, KCP1422	24 (610)	54-7/16 (1,382)
KWSP2473ABL	KRA2423, KRA2432, KRA2496, KCP2413, KCP1423	24 (610)	73 (1,854)
KWSP2954BBL	KMP1022, KTL1022	29 (737)	54 (1,371)
KWSP2973BBL	KMP1023, KTL1023, KRL1033, KMP1033	29 (737)	73 (1,854)
KWSP3060CBL	KETN602	30 (762)	60 (1,524)
KWSP3068CBL	KERN681, KETN682, KETP682	30 (762)	68 (1,727)
KWSP3084CBL	KERN642, KERP642, KETN643, KETP643	30 (762)	84 (2,134)
KWSP722CBL	KRL722	24 (610)	54 (1,371)



- Read and follow Instructions and Safety Messages in the Manual accompanying the product.
- Read Safety Precautions on pages W1-W4

ACCESSORIES: WORK SURFACES

Hardwood Tops

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



KRWT7002A

Stock No.	Use on	Width, inches (mm)	Depth, inches
KRWT2407	KRA2407 Roll Cabs	35-7/8 (911)	23-11/16
KRWT2411	KCP1423/KRA2411/KRA2422 Roll Cabs	54-11/16 (1,388)	23-11/16
KRWT2418	KCP1423/KRA2423/KRA2418/KRA2432/KRA2496/KCP2423 Roll Cabs	73-3/8 (1,864)	23-11/16
KRWT26F	KRA4008F/KRA2007F Square Corner	26 (660)	19-7/16
KRWT4008	KRA4008E/KRA2007 Roll Cabs (Rounded)	26 (660)	19-7/16
KRWT40F	40" Roll Cabs Square Corner	39-3/4 (1,010)	19-7/16
KRWT4800B	KRA4107/KRA4813 Roll Cabs (Rounded)	39-3/4 (1,010)	19-7/16
KRWT5000A	KRA5213/KRA5319/KRA2306/KRA2309 Series Roll Cabs (Rounded)	53-1/16 (1,347)	19-7/16
KRWT5300	KRA5318 and KRA5311 Roll Cabs (Square)	53-1/16 (1,347)	19-7/16
KRWT7001A	KRL1056 Roll Cabs	35-1/8 (892)	27-5/8
KRWT7002A	KTL1022, KMP1022 Roll Cabs	53-11/16 (1,363)	27-5/8
KRWT7003A	KTL1023, KRL1033, KMP1023, KMP1133 Roll Cabs	72-5/16 (1,837)	27-5/8
KRWT7011A	KRL1011, KMP1099, KMP7099 End Cabs	19-5/16 (491)	27-5/8
KRWT711A	KRL711/KRL715/KMP709 End Cabs	19-5/16 (491)	22-5/8
KRWT756A	KRL756 Roll Cabs	35-1/8 (892)	22-9/16
KRWT761B	KRL722 Roll Cabs	53-3/4 (1,365)	22-9/16
KWS2924AWT	22-1/2" Stationary Storage	22-3/8 (568)	29
KWS2930AWT	30" Stationary Storage	28-7/8 (739)	29
KWS2936AWT	35-5/8" Stationary Storage	35-1/2 (902)	29
KWS2945AWT	45" Stationary Storage	44-7/8 (1,148)	29
KWS2960AWT	60" Stationary Storage	59-7/8 (1,521)	29
KWS2972AWT	72" Stationary Storage	71-5/8 (1,808)	29
KWS2990AWT	90" Stationary Storage	89-7/8 (2,283)	29
KWSN3010AWT	KEKN603A, KEXP603A	126 (3,048)	30
KWSN3012AWT	KEKN724, KEXP724, KEKN725, KEXP725	144 (3,658)	30
KWSN3036AWT	KEEN361, KEEP361	36 (914)	30
KWSN3060AWT	KETN602	60 (1,524)	30
KWSN3068AWT	KERN661, KETN662, KETP662	66 (1,727)	30
KWSN3084AWT	KERN842, KERP842, KETN843, KETP843	84 (2,134)	30

Roll Cart Top Mats

High durability rubber mats are designed to fit over the lid on most 32"-33" and 40" Snap-on® Roll Carts.

- Molded manufacturing process provides a raised edge around the entire top surface and under surface to help keep parts and spills contained
- Mats have edge underneath to position them properly on the lid
- Two wide peel-off strips expose application adhesive (3M® #9425) to keep the mat in place when raising and lowering the lid
- Made from SBR rubber—a strong synthetic rubber commonly used in truck tires, then primer sprayed, to give it strong working properties



JKRR46GW55AG

Stock No.	Dimensions, inches	Use on
JKRR430W55A**	20-1/2 W x 20-1/2 D x 5/8 H	KRBC430A Roll Carts (2 included)
JKRR33W55A	33 W x 20-1/2 D x 5/8 H	KRSC323/KRSC33A/KRSC326F Roll Carts
JKRR46GW55*	41 W x 20-1/2 D x 5/8 H	KRSC46 Roll Carts
JKRR343W55A†	16-1/2 W x 20-1/2 D x 5/8 H	KRSC343 Roll Carts (2 included)

Colors Available



*	—	—	O	G	—	—
**	—	A	O	G	M	S
†	K	A	—	G	M	S

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

ACCESSORIES: COVERS



KAC242210RDS



KAC761E0S



KAC761E6S



KAC241815PKS



KAC761RBS

Color "S" Logo Covers

Stock No.	Cover Description
KAC1403LPC*	KRA1403 Left Side Mount
KAC1403RPC*	KRA1403 Right Side Mount
KAC1406LPC*	KRA1406 Left Side Mount
KAC1406RPC*	KRA1406 Right Side Mount
KAC1422PC*	KCP1422 Roll Cab
KAC142210PC*	KCP1422 and KRA2454 or KRA2410A
KAC1423PC*	KCP1423 Roll Cab
KAC142310PC*	KCP1423 and KRA2472 or KRA2415A
KAC1423TLPC	3 pc Cover for KCP1423, KRA2472 and KRA1403
KAC241815RDS	KCP2423, KRA2423, KRA2415 Chest or KRA2472 Riser
KAC242210RBS	KRA2422/KRA2411 Roll Cab with KRA2454 Riser or KRA2410 Top Chest Combination Cover
KAC761RDS	KRL722/KRA2411/KRA2422/KCP2422 Cover
KAC761791RDS	KRL722/KRL791A or KRL722/KRA2411/KCP2422 Roll Cab with Top Chest Cover
KAC773RDS	KRA2423/KCP2423 Cover



KAC307660BK

Colors Available



Red Orange Extreme Green Pink Royal Blue Candy Apple Red Silver

RDS E0S E6S PK RBS CAS PC
 * RDS — E0S — RBS — PC
 ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

EPIQ SideKIQ™ Series Roll Cab Covers

Stock No.	Cover Description
KAC304236BK	36" KEMW361A Cover
KAC3048120BK	120" EPIQ™ Roll Cab
KAC3048144BK	144" EPIQ™ Roll Cab
KAC304836BK	EPIQ SideKIQ™
KAC304860BK	60" EPIQ™ Roll Cab
KAC304868BK	68" EPIQ™ Roll Cab
KAC304876BK	76" EPIQ™ Roll Cab
KAC304884BK	84" EPIQ™ Roll Cab
KAC3076106BK	76" EPIQ™ Roll Cab, WorkCenter, (1) Locker
KAC3076114BK	84" EPIQ™ Roll Cab, WorkCenter, (1) Locker
KAC3076120BK	60" EPIQ™ Roll Cab, WorkCenter, (2) Lockers
KAC3076128BK	68" EPIQ™ Roll Cab, WorkCenter, (2) Lockers
KAC3076136BK	76" EPIQ™ Roll Cab, WorkCenter, (2) Lockers
KAC3076144BK	84" EPIQ™ Roll Cab, WorkCenter, (2) Lockers
KAC3076180BK	60" EPIQ™ Roll Cab, WorkCenter, (4) Lockers
KAC3076188BK	68" EPIQ™ Roll Cab, WorkCenter, (4) Lockers
KAC3076196BK	76" EPIQ™ Roll Cab, WorkCenter, (4) Lockers
KAC3076204BK	84" EPIQ™ Roll Cab, WorkCenter, (4) Lockers

Stock No.	Cover Description
KAC307660BK	60" EPIQ™ Roll Cab and WorkCenter
KAC307668BK	68" EPIQ™ Roll Cab and WorkCenter
KAC307676BK	76" EPIQ™ Roll Cab and WorkCenter
KAC307684BK	84" EPIQ™ Roll Cab and Workcenter
KAC307690BK	60" EPIQ™ Roll Cab, WorkCenter, (1) Locker
KAC307698BK	68" EPIQ™ Roll Cab, WorkCenter, (1) Locker
KAC3097120BK	60" EPIQ™ Roll Cab, WorkCenter, Overheads, (2) Lockers
KAC3097128BK	68" EPIQ™ Roll Cab, WorkCenter, Overheads, (2) Lockers
KAC3097136BK	76" EPIQ™ Roll Cab, WorkCenter, Overheads, (2) Lockers
KAC3097144BK	84" EPIQ™ Roll Cab, WorkCenter, Overheads, (2) Lockers
KAC3097180BK	60" EPIQ™ Roll Cab, WorkCenter, Overheads, (4) Lockers
KAC3097188BK	68" EPIQ™ Roll Cab, WorkCenter, Overheads, (4) Lockers
KAC3097196BK	76" EPIQ™ Roll Cab, Workcenter, Overheads, (4) Lockers
KAC3097204BK	84" EPIQ™ Roll Cab, WorkCenter, Overheads, (4) Lockers
KAC309760BK	60" EPIQ™ Roll Cab, WorkCenter, Overhead
KAC309768BK	68" EPIQ™ Roll Cab, WorkCenter, Overhead
KAC309776BK	76" EPIQ™ Roll Cab, WorkCenter, Overhead
KAC309784BK	84" EPIQ™ Roll Cab, WorkCenter, Overhead



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
 • Read Safety Precautions on pages W1-W4

ACCESSORIES: COVERS



KAC2403ALEG



KACSC40APC



KAC1003



KAC1003PC

Locker Covers

Stock No.	Description
KAC2403ALEG	Cover – KRA2403A Locker Full Height (Left, no logo)
KAC2403ALPC	Cover – KRA2403A Locker Full Height (Left, no logo)
KAC2403ALRB	Cover – KRA2403A Locker Full Height (Left, no logo)
KAC2403ALRD	Cover – KRA2403A Locker Full Height (Left, no logo)
KAC2403AREG	Cover – KRA2403A Locker Full Height (Right, no logo)
KAC2403ARPC	Cover – KRA2403A Locker Full Height (Right, no logo)
KAC2403ARRB	Cover – KRA2403A Locker Full Height (Right, no logo)
KAC2403ARRD	Cover – KRA2403A Locker Full Height (Right, no logo)

Colors Available



FC RD EG RB
 ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Roll Cart/Road Chest Covers

Stock No.	Cover Description
KAC620*	KRA620 Road Chest Waterproof
KAC6210*	KRA6210 Road Chest Waterproof
KACSC30PC	KRSC323/KRSC326/KRSC33 Series Roll Carts
KACSC40APC	KRSC430A/KRSC416/KRSC46 Roll Carts
KRAC62	KRA62D Nylon Cover (Red)

Colors Available



* FC
 ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Masters Series Storage Unit Covers

- High-quality 200 Denier nylon
- Snap-on® logo

Cover Description	KMP1022/KTL1022 Roll Cab Cover
Red	KAC1001
Black	KAC1001PC
Candy Apple Red	KAC1001CAS
Extreme Green	KAC1001EGS
Royal Blue	KAC1001PCM
Black w/ Royal Blue Logo	KAC1001RBS
Cover Description	KTL1023/KMP1023/KMP1033/KR61033 Roll Cab Cover
Red	KAC1003
Black	KAC1003PC
Candy Apple Red	KAC1003CAS
Extreme Green	KAC1003EGS
Electric Orange	KAC1003EOS
Royal Blue	KAC1003PCM
Black w/ Royal Blue Logo	KAC1003RBS

ACCESSORIES: COVERS



KAC711L



KAC711RPC



KAC761PCM

KRL700 and Classic Series Storage Unit Covers

Cover Description	Red Stock No.	Black Stock No.	Royal Blue Stock No.
KRL722/KRA2411 Roll Cab Cover	KAC761	KAC761PC	KAC761PCM
KRL722/KRL791A or KRL722 Roll Cab with Top Chest Cover	KAC761791	KAC761791PC	KAC761791PCM
KRL722/KRL791A/ KRL712 Roll Cab with Top Chest and Locker Cover	KAC761TL*	KAC761TLPC	—
KRL756 or KRA2407 Roll Cab Cover	KAC756	KAC756PC	KAC756PCM
KRL756/KRL751 Roll Cab with Top Chest Cover	KAC756731	KAC756731PC	—
KWP799/KRL711/ KRL715 End Cab Cover (Left Side)	KAC711L	KAC711LPC	KAC711LPCM
KWP799/KRL711/ KRL715 End Cab Cover (Right Side)	KAC711R	KAC711RPC	KAC711RPCM
KRL712 Locker Cover (Left Side)	KAC712L	KAC712LPC	KAC712LPCM

*Cover accommodates all three units of combination. Locker can be mounted on either side.

Cover Description	Red Stock No.	Black Stock No.	Royal Blue Stock No.
KRL712 Locker Cover (Right Side)	KAC712R	KAC712RPC	KAC712RPCM
KCP2423/KRA2423/ KRA2456/KRA2432 Cover	KAC773	KAC773PC	—
KCP2423, KRA2423, KRA2415 Chest or KRA2472 Riser	KAC241815RDS	KAC241815PC	KAC241815RBS
KRA2422/KRA2411 Roll Cab with KRA2454 Riser or KRA2410 Top Chest Combination Cover	—	KAC242210PC	—
KRL722/KRW7554/ KRAL5435 Cover	KAC761WD	KAC761WDPC	KAC761WDPCM
KRA2407 Roll Cab/ KRA2405 Chest Cover	—	KAC240705PC	—

KRA5000/KRA4000 Series Storage Unit Covers

Cover Description	Red Stock No.	Black Stock No.	Royal Blue Stock No.
KRA5000 Series/KRA2300 Series Roll Cab Cover/53" Roll Cabs	KAC5000	KAC5000PC	KAC5000PCM
KRA5000/KRA2300 Series Roll Cab/Top Chest Cover/53" Roll Cab/Top Chest Combination	KAC530015	KAC530015PC	KAC530015PCM
KRA5012 Locker Cover, Left Side	KAC5012L	KAC5012LPC	KAC5012LPCM
KRA5012 Locker Cover, Right Side	KAC5012R	KAC5012RPC	KAC5012RPCM
KRA4000/2100 Series 40" Roll Cab Cover	KAC4800	KAC4800PC	KAC4800PCM
KRA4000/KRA2100 Series 40" Roll Cab/Top Chest Combination Cover	KAC48004810	KAC480010PC	KAC480016PCM
KRA4000 Series 40" Roll Cab/Drawer Section/Top Chest Combinations	KAC48006010	KAC486010PC	KAC486010PCM
KRA Series End Cabs Cover, Left Side	KAC4820L	KAC4820LPC	KAC4820LPCM
KRA Series End Cabs Cover, Right Side	KAC4820R	KAC4820RPC	KAC4820RPCM
KRA4008/KRA2007 Roll Cab Cover	KAC4007	KAC4007PC	KAC4007PCM
KRA4000 Series 26" Roll Cab/Top Chest Combination Cover	KAC40074014	KAC400714PC	KAC400714PCM
KRA4059 Series	KRAC59	—	—



• Read and follow instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W1-W4

HANDLE MOUNTING KITS



Handle Mounting Kits and Holders

Stock No.	Description
KAMH2024A	Handle Mounting Kit Classic/Heritage Series Carts
KAMHEXT	Vertical Extension Rod
KAMHKB	Keyboard Holder
KAMHLAP	Laptop Holder
KAMHMP	Monitor Plate
KAMHTBLT	Tablet Holder
KAMHWL	Wine Holding Loops

PANEL ACCESSORIES: SIDE PANELS

Add-On Slotted Side Panels

- Use storage surfaces to organize most-used tools
- Fits Slotted Wall accessories for roll cabs, carts and WorkCenters and inside lockers
- Add storage space on either side of the roll cab for organizing hand tools and power tools
- Add a charging shelf with a power strip for batteries, tablets, phones
- Add shelves and bins for consumables and for work-in-process



KA2637P80



KA2637PES



KA2637PJJ



KA2637SS



KA1734AP80

Application	Stock No.	Color
Fits Masters 7000 Series and EPIQ™ Series Carts	361AEMW4KPC	Gloss Black
	361AEMW4KP80	Red
	361AEMW4KPCM	Royal Blue
	361AEMW4KPDG	Midnight Blue
	361AEMW4KPES	Ultra Yellow
	361AEMW4KPJH	Candy Apple Red
	361AEMW4KPJJ	Extreme Green
	361AEMW4KPJK	Electric Orange
	361AEMW4KPKS	Arctic Silver
	361AEMW4KPOT	Flat Black
	361AEMW4KPRJ	Storm Gray
	361AEMW4KPU	White
	361AEMW4KPWL	Flat Blue
KRSC46, KRSC430, KRSC325, KRSC343 and KRSC326 (will not hold optional End Cab)	KA1734AP80	Red
	KA1734APC	Gloss Black
	KA1734APCM	Royal Blue
	KA1734APDG	Midnight Blue
	KA1734APJH	Candy Apple Red
	KA1734APJJ	Extreme Green
	KA1734APJK	Electric Orange
	KA1734APOT	Flat Black
	KA1734APV	Textured Black
	KA1734APWZ	Storm Gray

Application	Stock No.	Color
KRSC242, KRSC246, KRA2422, KRA2423, KCP2422 and KCP2423	KA2032P80	Red
	KA2032PC	Gloss Black
	KA2032PJJ	Extreme Green
	KA2032PJK	Electric Orange
	KA2032PV	Textured Black
	KA2032SS	Stainless Steel
KCP1422/KCP1423	KA2036P80	Red
	KA2036PC	Gloss Black
	KA2036PCM	Royal Blue
	KA2036PJJ	Extreme Green
	KA2036PJK	Electric Orange
	KA2036PWZ	Storm Gray
	KA2036SS	Stainless Steel
	Fits Masters 1000 Series and EPIQ™ Series	KA2637P80
KA2637PC		Gloss Black
KA2637PES		Ultra Yellow
KA2637PJJ		Candy Apple Red
KA2637PJJ		Extreme Green
KA2637PJK		Electric Orange
KA2637PKS		Arctic Silver
KA2637PRJ		Storm Gray
KA2637PU		White
KA2637PV		Textured Black
KA2637SS		Stainless Steel



KRSC404APV

Stock No.	Description	Application
KRSC404APV	Side Plate with Mounting Slots	KRSC46, KRSC430, KRSC326 and KRSC343 (also holds End Cab)

ACCESSORIES: WORKCENTER

Workcenter Accessories

- Accessories are designed to fit all slotted systems found on workcenters and on accessory side panels for roll cabs and carts

Stock No.	Description	Color	Application
KAFAN	LED Clock, Two-Speed Fan	Black	Magnetic base for WorkCenter
KAFANPBO	LED Clock, Two-Speed Fan	Red	Magnetic base for WorkCenter
KAFANPJJ	LED Clock, Two-Speed Fan	Extreme Green	Magnetic base for WorkCenter
KAFANPUK	LED Clock, Two-Speed Fan	Electric Orange	Magnetic base for WorkCenter
YA3182ABK	Looped Tool Organizer	Black	1/8" Screw-in holes on Slots-N-Dots™
YA3084A	Looped Tool Organizer	—	1/8" Screw-in holes on Slots-N-Dots™
YA3089A	Looped Tool Organizer	—	1/8" Screw-in holes on Slots-N-Dots™
YA3123A	Looped Tool Organizer	—	1/8" Screw-in holes on Slots-N-Dots™
YA3182A	Looped Tool Organizer	—	1/8" Screw-in holes on Slots-N-Dots™
KAP54	Power Strip (4 AC)	—	—
KAP53U	Power Strip with USB	—	Snap-on® workstation Slots-N-Dots™ walls, carts, lockers
KAP55	Power Strip with (5) A/C and (2) USB Ports	—	Snap-on® workstation Slots-N-Dots™ walls, carts, lockers
KAWC8X9BLK	Slot Panel Charging Pad	—	—
KAS12APWRPC	12" Power Tool Rack (holds 3)	Gloss Black	Fits all slotted walls
KAS18PWRPC	18" Power Tool Rack	Gloss Black	Fits 18" and wider slotted walls
KATR12PV	T-Handle Rack (12")	Textured Black	Fits all slotted walls
KASR12APV	Drop-In Screwdriver Rack	Textured Black	Fits all slotted walls
KASR512APV	Slide-In Screwdriver Rack	Textured Black	Fits all slotted walls
KAPR17APC	Prybar Rack	Gloss Black	Fits KRSC roll carts, Classic and Heritage roll cabs
KAPR24PVB	Prybar Rack	Textured Black	Bolt into handle holes on Classic, Masters and EPIQ
KAT12APV	Spray Can Rack	Textured Black	Fits all slotted walls
KAT18APV	Spray Can Rack (18")	Textured Black	Fits 18" and wider slotted walls
KAGLVHLDR	Glove Dispensing Rack	Gloss Black	Fits KA2032, KA2637, KA2036, KRSC404APV and 361AEMW4K slot panels
KAHR12PV	Hammer Rack	—	—
KASNTZR1	Sanitizer Bracket	Black	—
KATVBRKT	Monitor Mounting Bracket	—	—
2637J5000	24" Seven Tool Power Tool Holder Kit for Slot Panel	Gloss Black	For use on KA2637 slot panel; also able to fit inside any work center
KAP810BLK	10" Plastic Parts Bin	Black	—
KAP815KIT	7 pc 15" Parts Bin Kit	—	Fits all slotted walls
KAP818KIT	9 pc 18" Parts Bin Kit	—	Fits 18" and wider slotted walls
KAP85BLK	5" Plastic Parts Bin	Black	—
KAP86KIT	3 pc 6" Parts Bin Kit	—	Fits all slotted walls
KAP8H15APV	15" Parts Bin Holder	—	Fits all slotted walls
KAP8H18APV	18" Parts Bin Holder	—	Fits 18" and wider slotted walls
KAP8H6APV	6" Parts Bin Holder	—	Fits all slotted walls
KAMS18PV	Shop Manual Stand	—	—
KAP55BRKT	Cord Wrap Bracket	—	—
KAS12APV	Flat Utility Shelf	Textured Black	Fits all slotted walls
KA18X5PC	18" Power Tool Rack for Drawers, Shelves and Work Surfaces	—	Flat Surfaces
KASH12X18PV	18" Reversible Power Shelf	Textured Black	18" Shelf Tray for slot panel (accommodates KAP55 Power Strip - fits KA2032 and KA2637)
KASH12X24PV	24" Reversible Power Shelf	Textured Black	Use on the KA2637 series slot panels (that goes on an EPIQ™ or Masters roll cab)
KAS12X18PV	18" Reversible Shelf	Textured Black	Fits all slotted walls 18" and larger and holds KAP55
KAS12X21PV	21" Reversible Shelf	Textured Black	Fits all slotted walls except 17" and 20"
KAHCK33	3" Curved Hook (3 pk)	Gloss Black	Fits all slotted walls
KAHK63	6" Extended Hook (3 pk)	Gloss Black	Fits all slotted walls
KAHLK33	3" Loop (3 pk)	Gloss Black	Fits all slotted walls
KALS15	Laptop Stand (15")	—	Fits 18" and wider slotted walls



KAFANPJJ



YA3182ABK



KATR12PV



KASR12APV



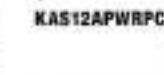
KAPR17APC



KAGLVHLDR



KASH12X24PV



KAS12APWRPC



KAS12APV



KASH12X18PV



KASH12X24PV



KAHCK33



KAHLK33



KALS15



- Read and follow Instructions and Safety Messages in the Manual accompanying the product.
- Read Safety Precautions on pages W1-W4

SHELVES/TRAYS AND RACKS



KRJC23AAPV

Creeper Hangers

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)



KRA19



KRA20

Hang-on Parts Trays

- Organize small parts or spray cans
- Hang on roll cab or tool chest with 1/4" or more lip
- Also for use in drawers as storage trays

KRA19 Hang-on Parts Tray (Red)**KRA19PV Hang-on Parts Tray (Textured Black)**

- Measures 15 x 3 x 2-1/4"

KRA20 Hang-on Parts Tray

- Measures 25" x 3" x 2-1/4", Measures 25 x 3 x 2-1/4"

KRA20PV Hang-on Parts Tray

1001XL36PV



30AE2036PV



30AE3036PV



30AE3836PV



761XL36APV


KA31X36
 (tools and accessories
 not included)

Sliding Trays

- Provide additional work or storage surface
- Optional parts tray for roll cabinets
- Accommodates wide variety of tools for convenient access
- Utilize empty space at the top of the tool box drawer

1001XL36PV Sliding Tray

- Fits Masters and Classic Series
- Measures 14-1/8 x 6 x 1-1/8"

30AE2036PV Sliding Parts Tray

- Use on KEXP725A, KEXN725A, KEXN603A, KERP763B, KERP843B, KERN842B, KERN843B, KERN602B, KERN682B EPIQ™ roll cabinets
- 20" wide

- Optional parts tray for EPIQ™ roll cabinets

- Accommodates wide variety of tools for convenient access
- Utilize empty space at the top of the tool box drawer

30AE3036PV Sliding Parts Tray

- Use on KEXP725A, KEXN725A, KEXN603A, KERP763B, KERN843B and KERN602B EPIQ™ Series roll cabinets
- 30" wide

30AE3836PV Sliding Parts Tray

- Use on KEXP725A, KERP843B and KERN682B EPIQ™ Series roll cabinets
- 38" wide

761XL36APV Sliding Tray Assembly**KA31X36 Sliding Tray (Partitioned)**

- Maximize your 31" drawer space
- Fits Masters and Classic series



KASH12X24PV

Slot Panel Shelf

KASH12X24PV 24" Reversible Power Shelf

- Fits on the KA2637 slot panel that goes on an EPIQ™ or Masters roll cab
- The KASH12X24PV can be used as either a shelf to hold power tools or flip it over to be used as a shelf and used as a writing surface
- The KASH12X24PV is painted textured black, is 12 x 24" in size and holds up to 50 lb
- The shelf can be used to hold large tools like funnels or spray cans or buckets
- There are holes in the shelf to route the wires of the power tool chargers—shelf can also mount a KAP55 power strip

SHELVES, TRAYS AND RACKS

Prybar Racks

- KAPR17A Series is designed to hold the new Snap-on® large-handled prybars up to 36" when mounted to most KRSC carts or KRA, KCP roll cabs
- KAPR24PVB fits most Classic, Masters and EPIQ™ units

Stock No.	Description	Tool Holding Capacity	Color	Depth, inches (mm)	Width, inches (mm)	Capacity, Number of Tools	Height, inches (mm)
KAPR17A*	Prybar Rack	12 (5)	Red	3-3/4 (95)	15-7/16 (392)	20	9-3/4 (246)
KAPR24PVB	Prybar Rack	17 (7)	Textured Black	3-3/4 (95)	24 (610)	7	19 (482)
KR294AAPV	Hang-on Prybar Rack	2-1/2 (1)	Textured Black	3 (76)	6 (154)	4	9-1/2 (241)



KAPR17A



KR294AAPV

BOLT COVER/WHEEL COVER SETS

Custom Caster Bolt Covers

- Fits all current and most past model Snap-on® casters
- Caps fit all current Snap-on® roll cabs
- Also fits the caster horn bolt 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
- 6 pc sets (2) for each swivel caster, (1) for each rigid caster
- Includes set screw for positive attachment (includes Allen wrench for install)

Stock No.	Description	Color
KACAP6BK	6 pc Powder-Coated Caster Bolt Covers	Black
KACAP6BU	6 pc Powder-Coated Caster Bolt Covers	Blue
KACAP6RD	6 pc Powder-Coated Caster Bolt Covers	Red



KACAP6BK



KACAP6RD



KACAP6BU

LIGHTING

LED Light Bars

- LED Light Bars for WorkCenters, Lockers and Bulk Overhead Cabinets
- 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
- It will create a lighting experience that outshines anything else in the shop
- Top-quality materials and construction
- Highest level of functionality (automatic on/off)
- High-output LED system uses application-specific LED technology

Stock No.	Description	Lumens	Power	Power, Volts
ECTSA109	1-1/2' Tool Storage Light Bar with Magnetic Switch	1,297	9=Corded	110
ECTSA109-LOC	1-1/2' Tool Storage Locker Light Bar with Magnetic Switch	1,297	9=Corded	110
ECTSA289	4' Tool Storage Light Bar with Magnetic Switch	2,850	9=Corded	110
ECTSA319	5' Tool Storage Light Bar with Magnetic Switch	3,100	9=Corded	110



ECTSA289



- Read and follow Instructions and Safety Messages in the Manual accompanying the product.
- Read Safety Precautions on pages W1-W4

LIGHTING



KALEDRD

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 (3) 13" LED strips, (2) short connector cords, (1) six-way terminal and two-way soft tape
- Add-on kits contain (3) 13" LED strips, (2) short connector cords, (1) 6' power cord and two-way soft tape

Stock No.	Description	Color
KALEDRD	(3) 13" LED Strips (Kit)	White
KALEDBLUE	(3) 13" LED Strips (Kit)	Blue
KALEDGREEN	(3) 13" LED Strips (Kit)	Green
KALEDRD	(3) 13" LED Strips (Kit)	Red



KAWRSLOG018

Lighted Signs

KAWRSLOG018 Snap-on® "S" Sign (18")

- Snap-on® Wrench "S" sign made of PVC and aluminum
- 18" W x 16" H



KALED24X6MG



KALED28X7B

LED Light Panels

- Can be mounted to a steel surface via included rare earth magnets
- Use AC or DC power; come with 110 V AC plug and battery pack
- Acrylic panel is dipped and coated for abrasion resistance

Description	Stock No.	LED Color	Panel Color	Size, inches
LED Snap-on® Silhouette Logo Panel Light	KALED24X6MB	Blue	Black	24 x 6
	KALED24X6MC	Multi-color		
	KALED24X6MG	Green		
	KALED24X6MO	Orange		
	KALED24X6MR	Red		
	KALED24X6MW	White		
LED Snap-on® Logo Display Panel Light	KALEDB24B	Blue	Black	24 x 7
	KALEDB24MCB	Multi-color		
	KALEDB24G	Green		
	KALEDB24O	Orange		
	KALEDB24R	Red		
	KALEDB24W	White		
LED Snap-on® Logo Display Panel Light	KALED28X7B	Blue	Clear	28 x 7
	KALED28X7G	Green		
	KALED28X7O	Orange		
	KALED28X7R	Red		
	KALED28X7W	White		

CUSTOMIZATION

Roll Cab Handlebars

KA2422HDLB Roll Cab Handle

- Fit all KRA Roll Cabs in our Classic and Heritage Series plus KRSC Series Carts
- Powder-coated options match the most popular Snap-on® toolbox colors
- Solid aluminum construction with knurled grip on handle
- Laser engraved Snap-on® logo in handle base; engraved Snap-on® "S" logo on both handle posts



KA2422HDLB

Colors Available



DRAWER ORGANIZATION



KAERNX6RD



KAERNADD6RD

Drawer Organizers

- Socket holders are a compact 13" and feature twist-lock squares to hold sockets securely
- Screwdriver bit holder organizes assorted long and short screwdriver bits with tapered holes keep bits in place and are easy to load and unload
- Wrench racks fit 2" deep drawers, are made of a flexible polymer that are easy to load and have handles for easy transport
- Pliers rack has a non-slip molded rubber base and organizes a wide range of pliers and large wrenches

Stock No.	Description
KA12R3L13RD	1/2" Drive 3 Row Twist Lock Tray, 13" Long
KA14R2L13RD	1/4" Drive 2 Row Twist Lock Tray, 13" Long
KA38R3L13RD	3/8" Drive 3 Row Twist Lock Tray, 13" Long
KABITR3L13RD	3-Row Screwdriver Bit and Accessory Holder
KAERNADD6RD	6 pc Socket/Wrench/Bit Organizer Set
KAERNX6RD	6 pc Drawer Organizer

Colors Available



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
 • Read Safety Precautions on pages W1-W4

DRAWER ORGANIZATION



KAD16X10RD



Drawer Organizer Trays

KAD16X10RD 10 Compartment Drawer Organizer Tray (16 x 10")

- Fit 2" deep drawers (11 x 16 x 1-1/4")
- High-strength plastic



KAEXT3BRD



Extension/Ratchet Organizers

- Exclusive press tab feature captures 3/8" drive extensions for drawer organization and secure transport
- Store up to (10) 3/8" drive standard, wobble and/or impact extensions
- Will also store hard handle ratchets (standard and flex head) up to 18" long
- Press tabs are designed both to secure items in place (even upside down) and to facilitate ease of removal
- Low-profile to fit shallow drawers
- Available in six colors to match Snap-on® tool storage units

Stock No.	Description
KAEXT3BRD	3/8" Drive Extension and Ratchet Holder/Organizer

HAND TOOL ORGANIZATION



LASTRAY2RED



BPTRYLAS



KASKT5GN

Lock-A-Socket™ Trays and Rails

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

Stock No.	Description	Color	Weight, lb	Area, inch
BPSTRYLAS	20" Combination Drive Size Lock-A-Socket™ Tray (Blue-Point®)	Stainless Steel	—	8-3/4 x 20
BPTRYLAS	20" Combination Drive Size Lock-A-Socket™ Tray (Blue-Point®)	Red	—	8-3/4 x 20
KASKT5RD*	20" Combination Drive Size Lock-A-Socket™ Tray	Red with Black Logo	2.75	8-3/4 x 20
LAS14MR*	1/4" Drive Metric Lock-A-Socket™	Red	1	1.6 x 15
LAS14SR*	1/4" Drive SAE Lock-A-Socket™	Red	1	1.6 x 15
LAS38MR*	3/8" Drive Metric Lock-A-Socket™	Red	1.55	1.6 x 19
LAS38SR*	3/8" Drive SAE Lock-A-Socket™	Red	1.55	1.6 x 19
LAS12MR*	1/2" Drive Metric Lock-A-Socket™	Red	1.9	1.6 x 15
LAS12SR*	1/2" Drive SAE Lock-A-Socket™	Red	1.9	1.6 x 15
LASTRAY2RED	2 Row Lock-A-Socket™ Extreme Tray	Red	8	8.1 x 22.5



Multi-Row Socket Trays

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)



A263B

A288B Socket Holder

- 10-row organizer measures 14-1/2 x 17-3/16"
- Two handles
- (US Patent #5,284,245)



A288B

BPSKTRLSTRY Four Rail 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



BPSKTRLSTRY

BPSKTRLSTRYP Four Rail 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



BPSKTRLSTRYP

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



KTA500

KTA600 Multi-Row Socket Tray (Blue-Point®)

- Holds up to 80 sockets in 1/4, 3/8 and 1/2" drive sizes
- Five rails with (16) 1/4" drive clips, (32) 3/8" drive clips and (32) 1/2" drive clips
- Fits into most roll cab/tool chest drawers
- Sturdy handles on either side for easy carrying



KTA600

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



YAURCMH



YAURCMV



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W1-W4.

HAND TOOL ORGANIZATION



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
- KA143, KA383 and KA123 three-row holders have a middle row for semi-deep sockets

Stock No.	Description	Set Contains:
KA12FRRD	1/2" SAE Post Socket Tray	•
KA12METRD	1/2" Metric Post Socket Tray	•
KA123FRRD	1/2" 3-Row Post-Style Socket Tray	
KA123METRD	1/2" 3-Row Post-Style Socket Tray	
KA14FRRD	1/4" SAE Post Socket Tray	•
KA14METRD	1/4" Metric Post Socket Tray	•
KA143FRRD	1/4" SAE Post 3-Row Socket Tray	
KA143METRD	1/4" Metric Post 3-Row Socket Tray	
KA14383PK4BK	SAE and Metric Post 3-Row Socket Tray Pack (1/4" and 3/8" Drive)	
KA38FRRD	3/8" SAE Post Socket Tray	•
KA38METRD	3/8" Metric Post Socket Tray	•
KA383FRRD	3/8" SAE Post 3-Row Socket Tray	
KA383METRD	3/8" Metric Post 3-Row Socket Tray	
YA12FR	1/2" SAE Socket Holder with Posts	
YA14FR	1/4" SAE Socket Holder with Posts	
YA38FR	3/8" SAE Socket Holder with Posts	
YA12MET	1/2" Metric Socket Holder with Posts	
YA14MET	1/4" Metric Socket Holder with Posts	
YA38MET	3/8" Metric Socket Holder with Posts	

Socket must have a through hole. Some smaller Snap-on® sockets manufactured before 1983 do not have through holes. Some smaller Snap-on® sockets manufactured before 1983 do not have through holes.

Socket Driver Tray

YA38HTD Hex and TORX® Socket Driver Tray

- Organizes commonly used chrome 3/8" drive hex and TORX® socket drivers
- Stores SAE hex drivers in 1/8–3/8", metric hex drivers in 4–10 mm and TORX® drivers from T27–T60
- Three open pockets for additional sockets
- Overall dimensions: 9-1/4 x 3-5/16 x 1/16"



YA38HTD

Socket Rails (with Quick-Release Locking Clips) (Blue-Point®)

- Push-button, spring-loaded clips provide 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	Overall Length, inches (mm)
LSR1213	1/2	13	14 (355.6)
LSR1406	1/4	6	7-3/8 (187.3)
LSR1412	1/4	12	10 (254)
LSR3812A	3/8	12	12 (304.8)



LSR1213



LSR1406



LSR1412



LSR3812A

Socket Rails and Clips

Stock No.	Rail Length, inches (mm)	Square Drive, inches
A265A	7-3/8 (187)	1/4
A267A	13-3/8 (340)	3/8
A269A	10-3/8 (264)	3/8
A270A	16-3/4 (425)	1/2

A265A Socket Rail with 1/4" Clips

A267A Socket Rail with 3/8" Clips

A269A Socket Rail with 3/8" Clips

A270A Socket Rail with 1/2" Clips

A271A 1/4" Drive Socket Clips (25 pk)

- Package of 25 1/4" drive socket clips

A272A 3/8" Drive Socket Clips (25 pk)

- Package of 25 3/8" drive socket clips

A273A 1/2" Drive Socket Clips (25 pk)

- Package of 25 1/2" drive socket clips

A274C 3/4" Drive Socket Clips (25 pk)

- Package of 25 3/4" drive socket clips



A267A



A271A

63A5000 Hardware Clips Package

- Assorted socket rail clips in bag
- Fits Slots-N-Dots™ system (included with WorkCenter risers)



63A5000

A278 Mounting Clips

- 5/16–3/4"
- Screws into 1/8" holes
- Package of (10)

A264A Socket Rail Hold-Down Clip

- Mounts to drawer, tote tray or wall board
- Snaps open to release socket rail
- Package of (10)



A278



Read and follow Instructions and Safety Messages in the Manual accompanying the product.
Read Safety Precautions on pages W1–W4.

HAND TOOL ORGANIZATION



KA123B14RD

Colors Available



Twist Lock Socket Rail Tray

- Comes with 1/2, 3/8 and 1/4" drive rails
- Three individual 18" socket rails mounted together in one tray (push button removal)
- Easy 1/8 turn to lock and unlock the socket on drive square
- Sockets are secure, even upside down, will hang vertically if required
- Overall dimensions: 19-3/4 x 5-1/4"
- Snap-on "S" on each of the three rails
- Made in USA

Stock No.	Description	Color
KA123B14RD	Twist Lock Socket Rail Tray (1/2, 3/8, and 1/4")	Red



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

KMAGBIT37R Magnetic Hex Bit Holder (Blue-Point®)

- Red
- Bits are not included

Colors Available



YA438B

Moveable Peg Socket Rails (Blue-Point®)

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

YA425B Socket Rail (Blue-Point®)

- 1/4" square drive (20 pegs)

YA438B Socket Rail (Blue-Point®)

- 3/8" square drive (18 pegs)

YA450B Socket Rail (Blue-Point®)

- 1/2" square drive (14 pegs)



KMAG14SD26R

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
- Nontransferable 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

Colors Available



KMAG38D12R Magnetic Socket Holder (Blue-Point®)

- Holds 12 deep 3/8" drive sockets (up to 1")

KMAG38S12R Magnetic Socket Holder (Blue-Point®)

- Holds 12 shallow 3/8" drive sockets (up to 1")

KMAG38SD24R Magnetic Socket Holder (Blue-Point®)

- Holds 12 shallow and 12 deep 3/8" drive sockets (up to 1")

KMAG14SD26R Magnetic Socket Holder (Blue-Point®)

- Holds 13 shallow and 13 deep 1/4" drive sockets



Magnetic Vertical Socket Rails

- View socket sizes quickly and easily with these magnetic vertical socket rails
- Magnet backing (with protective foam covering) allows sockets to be attached to any metal surface
- Allow 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

BPMVSR12A Magnetic Vertical 1/2" Drive Socket Rail
BPMVSR14A Magnetic Vertical 1/4" Drive Socket Rail
BPMVSR38A Magnetic Vertical 3/8" Drive Socket Rail



Magnetic Socket Trays

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

Colors Available



MR1426 Magnetic 1/4" Drive Socket Tray
MR3828 Magnetic 3/8" Drive Socket Tray



A277

Crowfoot Wrench Holder

A277 3/8" Drive 8-3/4" Crowfoot Wrench Holder

- Organizes and stores crowfoot wrenches
- 2-piece design snaps apart for access to desired size
- 8-3/4" long



KRA15A

KRA22A

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



BPM14MWH



BPS14MWH



MAGRAK10R

Magnetic Wrench Organizers

BPM14MWH Magnetic Metric Wrench Holder (Blue-Point®)

- Holds sizes 8–21 mm wrenches
- Strong magnets secure wrenches in place during movement
- Entire unit is magnetized to hold rack to drawer
- Can be used in as small as a 2"-deep drawer

BPS14MWH Magnetic SAE Wrench Holder (Blue-Point®)

- Holds sizes 1/4–1" wrenches
- Strong magnets secure wrenches in place during movement
- Entire unit is magnetized to hold rack to drawer
- Can be used in as small as a 2"-deep drawer

MAGRAK10 Magnetic Wrench Organizer (Blue-Point®)

- (10) angular slots provide storage for most wrenches
- A ridge at the base prevents wrenches from contacting tool storage surfaces
- Mounts magnetically for instant wrench access

MAGRAK10R Magnetic Wrench Organizer (Blue-Point®)

- (10) angular slots provide storage for most wrenches
- A ridge at the base prevents wrenches from contacting tool storage surfaces
- Mounts magnetically for instant wrench access



TCK1827BBRA



TCK3627BUYA



TCK4020BBRA

Tool Control Kits

- Custom design and organize your tool drawers
- Each kit contains 6 self adhesive sheets of top and base material, 1 cutting tool and 1 roll of tracing paper
- Top is 1/2" thick, base is 1/8" thick

TCK1827BBRA Tool Control Kit

- Black Over Red, 18 x 27"

TCK3627BUYA Tool Control Kit

- Royal Blue Over Yellow, 36 x 27"

TCK4020BBRA Tool Control Kit

- Black Over Red, 40 x 20"



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
 • Read Safety Precautions on pages W1–W4.

HAND TOOL ORGANIZATION



WRRAK5RDXL



WRRAK12RD



WRRAKKCNT



WRRAKXLCLP

Colors Available



WRRAK Wrench Rack

- Strong N37 magnets hold wrenches securely in place
- Magnetize through the drawer liner to hold your wrenches securely while opening and shutting drawer
- Low profile to fit in the 2" wrench drawer
- Multiple wrench racks can be connected together

WRRAK5BK* 5" Magnetic Wrench Rack

WRRAK5BKXL* 5" XL Magnetic Wrench Rack

WRRAK12BK* 12" Magnetic Wrench Rack

- Sliding holders move, giving more space for larger wrenches
- Perfect for flex head and stubby wrenches
- Non-marring magnetic bottom prevents scratching and firmly attaches to metal surfaces horizontally

WRRAKCLP1 Magnetic Wrench Rack Clip

WRRAKKCNT Magnetic Wrench Rack Connector

WRRAKXLCLP Magnetic Wrench Rack XL Clip



KA389SG15RD



KA384SSG10RD

Colors Available



Soft Grip Wrench Racks

- Specifically designed to hold 10–15 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

KA381SG15RD 15 Wrench Rack

KA384SSG10RD 10 Midget Wrench Rack

KA389SG15RD Reverse 15 Wrench Rack



YA381SG12



YA389SG15

Soft Grip Wrench Racks

- Design holds wrench securely yet provides quick and easy release
- Store and organize wrenches
- Fit all 2"-deep drawers in Snap-on® tool storage units
- 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)

YA389SG15 Reverse Soft Grip Wrench Organizer

YA381SG12 Soft Grip Wrench Organizer

YA389SG8 Reverse Soft Grip Wrench Organizer

YA381SG15 Soft Grip Wrench Organizer

YA381SG8 Soft Grip Wrench Organizer

YA389SG12 Reverse Soft Grip Wrench Organizer



YA384SSG10R



YA384SSG7R

Soft Grip Stubby Wrench Racks

- Store and organize 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

YA384SSG10R Soft Grip Stubby Wrench Rack (Blue-Point®)

YA384SSG7B Stubby Wrench Rack (Blue-Point®)

YA384SSG7R Stubby Wrench Rack (Blue-Point®)

YA384SSG10B Soft Grip Stubby Wrench Rack (Blue-Point®)

HAND TOOL ORGANIZATION

Pliers Organizers

- Organize a wide range of pliers; also handles large wrenches
- Nonslip molded rubber base is contoured to hold tool in place
- Colors only available through Snap-on® with Snap-on® logo on both sides of each tray
- 10A suffix fits 3" wide drawers

Stock No.	Description	Width, inches (mm)	Height, inches (mm)
KAPL10RD	10" Pliers Organizer	10 (254)	3-1/8 (86)

Pliers and drawer NOT included



KAPL10RD

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

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

YA381A Wrench Organizer (Blue-Point®)

- Holds up to 12 wrenches

YA381ABL Wrench Organizer (Blue-Point®)

- Holds up to 12 wrenches

YA381FRA SAE Wrench Rack (Blue-Point®)

- Specifically designed to hold up to 13 Snap-on® wrenches from 1/4-1" sizes

YA381MET Metric Wrench Rack (Blue-Point®)

- Specifically designed to hold up to 13 Snap-on® wrenches from 7-19 mm sizes

YA381MIDG Midget Wrench Organizer (Blue-Point®)

- Holds up to 12 wrenches

YA389A Reverse Tooth Wrench Organizer (Blue-Point®)

- Holds up to 12 wrenches

YA389ABL Reverse Tooth Wrench Organizer (Blue-Point®)

- Black, holds up to 12 wrenches



YA381A



YA381ABL



YA381FRA



YA389A



YA389ABL

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" (10-19 mm)



YA207

MAGNETIC ACCESSORIES



MAGWRENCH



SMR13



YA161



YA162



YA209

Magnetic Bar Tool Holder

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)

KAMR123 Magnetic Bar Tool Holder (Blue-Point®)

- Magnet holds tools for easy access
- Can magnetically mount to metal surface or can be screw mounted
- Measures 11-3/4" L x 2-1/4" W x 7/8" H
- Housing is black finish with chrome-finish magnet plate

SMR10[†] 10-1/4" Long Magnetic Rack (Blue-Point®)

SMR13[†] 13-1/4" Long Magnetic Rack (Blue-Point®)

SMR17[†] 17-1/4" Long Magnetic Rack (Blue-Point®)

- Strong rare earth magnets on front of rack holds 1/4, 3/8 and 1/2" drive sockets
- Magnetic force on back of the rack mounts to tool drawer in seconds
- Keeps all sockets neat, organized and ready for use

YA161 24" Long Magnetic Bar Tool Holder

- Magnet holds tools for easy access
- Black finish

YA162 13" Long Magnetic Bar Tool Holder

- Magnet holds tools for easy access
- Black finish

YA209 24" Long Magnetic Bar Tool Holder

- Magnet holds tools for easy access
- Chrome finish



WARNING



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
 †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
 • Read Safety Precautions on pages W1-W4.

MAGNETIC ACCESSORIES



KRDDMAG130

Flexible Magnetic Strip

KRDDMAG130 Flexible Magnetic Strip

- Magnetic adhesive-backed strip allows easy drawer divider attachment
- 1" W x 30' L



BLPMPTSETA

Magnetic Trays and Dishes

Magnetic Holders and Parts Trays

- Ideal for use on side of toolbox or service cart
- Attach to any flat metal surface
- Hold tools and fasteners magnetically, magnetic bottom
- Fit 2" and deeper drawers found in all Snap-on® tool storage product
- 21 x 7" to fit three-wide in Masters and EPIQ™ Series drawers



BPMST135



KADM21X71BK



KADM21X72BK

BLPMPT10A Magnetic Parts Tray

BLPMPT12A Magnetic Parts Tray

BLPMPT6A Magnetic Parts Tray

BLPMPT8A Magnetic Parts Tray

BLPMPTSETA 4 pc Magnetic Parts Trays (6, 8, 10 and 12") (Blue-Point®)

BPMST135 13-1/2" Magnetic Storage Tray (Blue-Point®)

KAMPTPAK 8 pk Large/Small Magna Panel Trays

KAMPT12X6R Magna Panel Tray

KAMPT16X8R Magna Panel Tray

KADM21X71BK**

Magnetic Parts/Disassembly Tray

KADM21X72BK**

Magnetic Parts/Disassembly Tray

KADM21X73BK**

Magnetic Parts/Disassembly Tray

MAGMINI Mini Magnetic Mat

MAGMICRO Micro Magnetic Mat

MAGSTRIP Magnetic Strip

MAGTRAY Folding Magnetic Tray

MAGDISH Collapsible Magnetic Dish

MAGMAT High-Power Magnetic Mat

MRB5B Magnetic Bowl (Blue-Point®)

MRB10B Magnetic Tray (Blue-Point®)

MRB12B Magnetic Tray (Blue-Point®)

MRB15B Magnetic Tool Tray (Blue-Point®)

MRPB10MP5 Magnetic Dish

(5 pk) (Blue-Point®)



MAGMINI



MAGMICRO



MAGSTRIP



MAGTRAY



MAGDISH



MAGMAT



MRB5B



MRB10B



MRB12B



MRB15B



MRPB10MP5

Colors Available



• BLK R O G -
** BK - OR GR HV

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



KAMM1212



KAMM122



KAMM126



KAMM612



KAMMX318G

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 non-marring Silicone polymer
- Powerful neodymium magnets on the front and back allow for use in almost any position
- Compact, space saving design flexible material can be used on flat for curved surfaces
- Made from 3/16" thick 16-gauge steel
- Will not magnetize tools

KAMM1212 12 x 12" Magnetic Panel (Blue-Point®)

- Made from 3/16" (4.8 mm) thick 16-gauge steel
- Measures 12 x 12" (304.8 x 304.8 mm)

KAMM122 Magnetic Panel (Blue-Point®)

- Blue anodized aluminum
- Measures 10-5/8 x 2" (270 x 50.8 mm)

KAMM126 Magnetic Panel (Blue-Point®)

- Red anodized aluminum
- Measures 12 x 6" (304.8 x 152.4 mm)

KAMM612 Magnetic Panel (Blue-Point®)

- Measures 6" x 12"

KAMMX318G Magna Stick Extreme 3 x 18"

- Durable aluminum extrusions with composite end caps
- Heavy duty magnets on front and back
- Can be used in any position
- Low profile design
- Undercut handles for better grip when carrying heavy loads



ACYMAGAUTOKT



ACYMAGPLATE



ACYMAGPLTEKT



ACYMAGSMBALL



ACYMAGTLBXKT



ACYMAGVENT



ACYMAGVENT2



ACYMAGWIND



ACYWRNCHRING



ACY-CASEXL



ACY-HCASEVXX



ACY-REPLADH



ACYMAGADDON1



ACYMAGADDON2



ACYMAGAUTKT2

Magnetic Electronic Device EZ-Mount

- ACYMAGAUTOKT EZ-Mount Magnetic Auto Kit
- ACYMAGPLATE Orbiter Magnetic Socket
- ACYMAGPLTEKT Orbiter Magnetic Socket Vehicle Kit
- ACYMAGSMBALL EZ-Mount Add on Small Ball
- ACYMAGTLBXKT EZ-Mount Magnetic Tool Box Kit
- ACYMAGVENT EZ-Mount Automotive Vent Ball Add-On
- ACYMAGVENT2 EZ-Mount Automotive Vent Kit
- ACYMAGWIND EZ-Mount Windshield Kit
- ACYWRNCHRING Tool Organizing Wrench Ring (12 rings)

- ACY-CASEXL Sideways Nylon Phone Case
- ACY-HCASEHXX Horizontal Phone Case
- ACY-HCASEVXX Vertical Phone Case
- ACY-REPLADH Mount Adhesive Replacement Kit
- ACYMAGADDON1 EZ-Mount Small Magnetic Add-on
- ACYMAGADDON2 EZ-Mount Large Magnetic Add-on
- ACYMAGAUTKT2 EZ-Mount Universal Car Kit
- ACYUNIVERSAL EZ-Mount Universal Component Add-on



• Read and follow Instructions and Safety Messages in the Manual accompanying the product.
• Read Safety Precautions on pages W1-W4

MAGNETIC ACCESSORIES



KAHMPC

Magnetic Hook

- Neodymium magnets hold up to 20 lb
- Rubber coating on the base prevents scratches on painted surfaces



KACHMRD

Colors Available



Magnetic Cell Phone Holder

KACHMRD[®] Magnetic Cell Phone Holder

- See-through curved window lets you see if you have a new notification
- Magnetic base sticks to a two-post lift, cart, roll cab, or side of WorkCenter
- Anti-skid pads aid against scratches on painted surfaces
- Cord holder for charging your cell phone
- Step base on the bottom helps keep charging cable in place

* Cell phone, charging cord, work center and two-post lift not included



12MSKTHRED



14MSKTHRED



38MSKTHRED



12MSWHLDR



14MSWHLDR



38MSWHLDR

Magnetic Socket/Wrench Holders

12MSKTHRED[®] 1/2" Drive Metric/SAE Magnetic Socket Holder

- Holds shallow and deep sockets—Metric or SAE
- High-visibility, easy-to-read socket size indicators in SAE and metric
- 30% stronger magnet than current holders
- Rubber overmolding to keep sockets in place
- Holds (12) sockets per row; (24) sockets total

14MSKTHRED[®] 1/4" Drive Metric/SAE Magnetic Socket Holder

- Holds (13) sockets per row; (26) sockets total

38MSKTHRED[®] 3/8" Drive Metric/SAE Magnetic Socket Holder

- Holds (12) sockets per row; (24) sockets total

12MSWHLDR Magnetic 1/2" Drive Socket/Wrench Holder

14MSWHLDR Magnetic 1/4" Drive Socket/Wrench Holder

38MSWHLDR Magnetic 3/8" Drive Socket/Wrench Holder

- Socket holders manufactured with high-impact plastic (Nylon 66), which resists oil and grease
- Rail body made by intricate extruded aluminum (6063-T5), which is high-strength and corrosion resistant
- Ball detent on socket holder permits socket to be easily and firmly positioned on rail
- Provides easy access and organization of sockets and wrenches
- Eight magnets (with protective foam covering) hold rail in place on any ferrous metal surface
- Designed for SAE and Metric sockets and wrenches
- Socket holders/wrench clips replaceable if lost or broken

Colors Available





BLP2CANHLDR



BLP3CANHLDR



BLPPTHDR

Magnetic Can/Bottle Holders (Blue-Point®)

- Ideal for use on side of toolbox or service cart
- Attaches to any flat metal surface
- Powerful, cushioned magnets resist surface scratching
- Heavy-gauge 0.80 mm black powder-coated steel construction

BLP2CANHLDR Magnetic Can/Screwdriver Holder (Blue-Point®)

- Holds (2) spray cans and (5) screwdrivers
- Spray can slot is 3" diameter
- Weight: 1.92 lb
- Dimensions: 8-1/2" L x 5" W x 5-1/18" H

BLP3CANHLDR Magnetic Can/Screwdriver Holder (Blue-Point®)

- Holds (3) spray cans and (7) screwdrivers
- Spray can slot is 3" diameter
- Weight: 2.62 lb
- Dimensions: 11-3/4" L x 5" W x 5-1/8" H

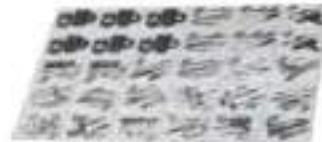
BLPPTHDR Magnetic Roll Towel Holder (Blue-Point®)

- Holds roll of shop towels (set of two holders)
- Weight: 1.38 lb
- Each piece measures 5-1/8" L x 4" W x 3-1/4" H

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; leave no sticky adhesive



KRSA30

Plastic Drawer Dividers

KRA17B Drawer Divider

- Partition drawers by cutting divider to desired length
- Attach to drawer with foam backing
- 24" long
- Two per package

KRA27B Drawer Divider

- Same as KRA17B
- 31" long
- Two per package



KRA17B

KRA27B

Foam Drawer Liners

JIKRL35F Foam Drawer Liner (10 pack)

- Foam drawer liner can be cut to size for lining drawers, roll cab tops, etc.
- 48 x 25" sheets
- Pack of 10

JIKRL35NS Non-Slip Foam Drawer Liner (10 pack)

- Non-slip drawer liner can be cut to size for lining drawers, roll cab tops, etc.
- 48 x 25" sheets
- Pack of 10

Drawer Liners

30AE35138NS 38 x 28" Drawer Liner

- Fits a drawer sized 38" wide and 4" or higher

30AE35162NS 62 x 28" Drawer Liner

- 62 x 28"

30AE35238NS 38 x 26-3/4" Drawer Liner

KRL1F 24 x 48" Foam Drawer Liner Material

- 1/16" thick black polyethylene can be cut to size for lining drawers, roll cab tops, etc.
- 48 x 24" sheets (1 each)



30AE35138NS



- Read and follow Instructions and Safety Messages in the Manual accompanying the product.
- Read Safety Precautions on pages W3-W4

FLOOR MATS



JKAFM3654RDS

Color "S" Logo Floor Mats

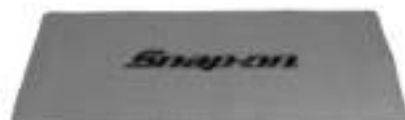
- "S" logo graphics on the floor mat are color coded to match the color of the tool box
- Anti-fatigue cushioned floor mat—54" L x 36" W
- Floor mat eases lower back stress and leg and foot discomfort from prolonged standing on hard surfaces
- Floor mat resists most shop chemicals and provides a sure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

Stock No.	Size, inches	Color
JKAFM3654RDS	54 x 36	Red

Colors Available



JKAFM2436GK



JKAFM2472GY

Cushioned Floor Mats

- Exceptional anti-fatigue properties
- Ease lower back stress and leg and foot discomforts from prolonged standing on hard surfaces
- Underpadding 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	Color
JKAFM2436GK	24 x 36	Black/Gray
JKAFM2436GY	24 x 36	Gray/Black
JKAFM2448GK	24 x 48	Black/Gray
JKAFM2448GY	24 x 48	Gray/Black
JKAFM2460GK	24 x 60	Black/Gray
JKAFM2460GY	24 x 60	Gray/Black
JKAFM2472GK	24 x 72	Black/Gray

Stock No.	Size, inches	Color
JKAFM2472GY	24 x 72	Gray/Black
JKAFM3636GK	36 x 36	Black/Gray
JKAFM3648GK	36 x 48	Black/Gray
JKAFM3660GK	36 x 60	Black/Gray
JKAFM3672GK	36 x 72	Black/Gray
JKAFM3676GK	36 x 76	Black/Gray
JKAFM3684GK	36 x 84	Black/Gray



KAFM32

Dense Cushioned Floor Mats

- Dense 3/4" engineered polyurethane for knee and back support

Stock No.	Size, inches	Color
KAFM32	36 x 24	Black with Red Logo
KAFM52	60 x 24	Black with Red Logo
KAFM53	60 x 36	Black with Red Logo

LOCKER TOPPERS: MASTERS SERIES



KA71273P80

KA71273 Series Locker Toppers

- Rubber mat and hardware included
- Use on KRL712 Master Series Lockers

Stock No.	Color
KA71273P80	Red

MISCELLANEOUS ACCESSORIES

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.

Stock No.	Color	Suggested Tool Storage Unit Color	Size, inches
SS2201A	White	Red	13 x 8-1/2
SS2231A	Silver	Black	23 x 4
SS2232A	Black	Red	24 x 4
SS2240A	Black	Red	13 x 8-1/2
SS2241A	Silver	Black	13 x 8-1/2
SS2443B	Black	Yellow/Orange	17 x 8
SS2751A	White	Black	43 x 8
SS2752A	Black	Red	43 x 8
SS2753A	Silver	Black	43 x 8
SS2808A	Red	Black	23 x 4
SS2809A	Red	Black	43 x 8
SS2810A	Red	Black	13 x 8-1/2
SS2935A	White	Black	23 x 15
SS2936A	Silver	Black	23 x 15
SS2938A	Red	Black	23 x 15
SS3262A	White	Black	26 x 12
SS3266A	White	Black	23 x 4



SS2201A



SS2232A



SS2240A



SS2443B



SS2753A



SS3262A



SS3266A

Locking Bars

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

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)

KRABL2 Lock Bar

- 32" long
- For use on all KRA Series Roll Cabs except KRA2400 Series



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" dia.

ML3A Padlock

- 1-1/2" steel case, 9/32" dia.

ML7A Padlock

- 1-1/4" steel case, 3/16" dia.

ML1504DA Combination Padlock

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



ML1A



ML1504DA



- Read and follow Instructions and Safety Messages in the Manual accompanying the product.
- Read Safety Precautions on pages W1-W4

MISCELLANEOUS ACCESSORIES



KAFM22RD



MAT19PK



MAT13PK



MAT38PK

Kneeling Mats

KAFM22RD Extra-Dense Personal Floor Mat

- Standing or kneeling on the 1 pc molded, dense 3/4" engineered polyurethane material feels like floating and reduces fatigue in back, knees and feet
- Superior all-day comfort when standing or kneeling
- Store and carry with integrated handle
- Slip-resistant top surface and non-skid bottom
- Abrasion-resistant black surface with red Snap-on® logo retains appearance
- Material resists absorption of water and oils; can be spray washed with water
- 22 x 18"

MAT19PK 5-Pack Kneeling Mats

- 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 5-Pack Kneeling Mats

- 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 5-Pack Kneeling Mats

- Cushioned mat can be used on a creeper or on the floor
- Constructed of durable, tear-resistant multi-layered foam
- Resistant to most shop chemicals
- 15-3/4" W x 38-1/2" L x 1-1/8" D
- Only available in a package of five



KASS13

Step Stools

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



GA155A

Keychain

GA155A Keychain (Blue-Point®)

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



KRFL6AR

Floor Lock Kit

KRFL6AR Adjustable Floor Lock Kit

- For KRL Masters series
- 29" deep, 54" wide and larger

Cleaning Supplies

KACKCLEANER Cleaner/Degreaser

- Safely removes grease, dirt, oil, fingerprints and more
- 16 oz

KACKFLTLCLR Matte and Flat Finish Cleaner/Degreaser

- Safely removes grease, dirt, oil, fingerprints and more
- Cleans without adding a shine to a flat/matte surface
- 16 oz

KACKMCFIBER1 Microfiber Cloth

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

KACKMCFIBER4 4-Pack Microfiber Cloth

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

KACKSPDWAXX Speed Wax

- Brings back the shine, resists water spots, dust, fingerprints and grease
- 16 oz

KACKCAREKIT**4 pc 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 (1) 1.7 oz bottle of Spray Cleaner, (1) 1.7 oz bottle of Liquid Polish, (1) 3.4 oz bottle of Speed Waxx and (1) 16 x 16" microfiber cloth



KACKCLEANER



KACKMCFIBER1



KACKCAREKIT

Heavy-Duty Brass 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
- When ordering, order K1HLAxxx (xxx=number between 500-699) and quantity of locks needed



K1HLA500

Heavy-Duty Brass Lock

- One lock assembly with (2) keys

Lock Assemblies

- 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
- When ordering, order K1LAxxx (xxx=number between 500-699) and quantity of locks needed



K1LA500

Tubular Lock Assembly

- One lock assembly with (2) keys

Touch-up Paint

Stock No.	Color	PPG Ditzler Wet Spray Number	PPG Powder Number
PN1286308	Royal Blue	19026	PCL-50134
REP12A	Red	73504	ARS20 Resin



PN1286308

REP12A



- Read and follow instructions and Safety Messages in the Manual accompanying the product.
- Do not ingest or use on face.
- Read Safety Precautions on pages W1-W4.

MAGNETIC ACCESSORIES



FLEXBITHLDR



FLEXWRNCHLDR



FLEXSDVRHLDR



FLEXMAT



FLEXPBARHLDR



FLEXCANHLDR



FLEXRAIL14RD



FLEXRAIL38RD

Flexible Magnetic Tool Storage Accessories

- Made from non-marring silicone polymer
- Powerful neodymium magnets on front and back allow use in almost any position
- Compact space-saving design
- Flexible material can be used on flat or curved surfaces
- Integrated pull tab for easy removal from metal surfaces

FLEXBITHLDR Flexible Magnetic Bit Holder

- Keeps all of your 1/4" bits organized and close at hand

FLEXWRNCHLDR Flexible Magnetic Wrench Holder

- Securely holds up to 10 wrenches

FLEXSDVRHLDR Flexible Magnetic Screwdriver Holder

- Holds up to eight screwdrivers
- Includes mounting holes for attachment to peg board, walls or other non-ferrous surfaces

FLEXMAT Flexible Magnetic Mat

- Unique folding design
- Convenient hanging hook

FLEXPBARHLDR Flexible Magnetic Prybar Holder (2 pk)

- Store prybars either horizontally or vertically with these convenient magnetic tool holders
- Includes mounting holes for attachment to peg board, walls or other non-ferrous surfaces

FLEXCANHLDR Flexible Magnetic Can Holder (3 pk)

- Magnetic spray can holder with integrated lid storage clip
- Includes mounting holes for attachment to peg board, walls or other non-ferrous surfaces

FLEXRAIL14RD 1/4" Drive 9" Flexible Magnetic Socket Rail

- Keeps all types of 1/4" sockets organized and secure
- Portable design—goes from toolbox to vehicle without losing sockets
- Soft silicone material will not scratch painted surfaces
- Low profile space saving design
- 9" rail holds 12 sockets

FLEXRAIL38RD 3/8" Drive 14-1/2" Flexible Magnetic Socket Rail

- Keeps all types of 3/8" sockets organized and secure
- 14-1/2" rail holds 14 sockets

Colors Available



Red Black

• RD BK

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

HAND TOOLS

OVERVIEW 102–103

1/4" DRIVE 104–143

3/8" DRIVE 144–200

1/2" DRIVE 201–235

3/4" DRIVE 236–244

1", 1-1/2", 2-1/2" DRIVE 245–255

WRENCHES 256–308

TORQUE 309–341

SCREWDRIVERS 342–376

PLIERS 377–393

PUNCHES, CHISELS, HAMMERS 394–402

GENERAL HAND TOOLS 403–475

SET BUILDING 476–490

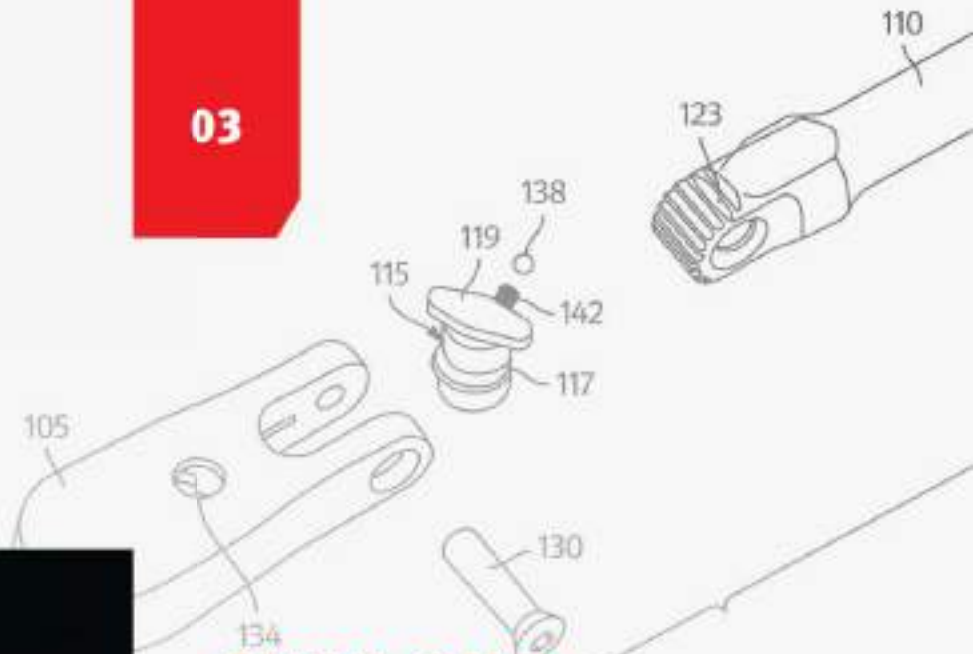
HBB056
56 oz Ball Peen Soft Grip Dead Blow Hammer



"Mechanic inspired, mechanic designed, mechanic tested. Our focus is to make the absolute best hand tool for the person who's going to be using it."

*Will Powell
Senior Design Engineer, Hand Tools*

03



**EVEN OUR
LEAST
COMPLICATED
TOOLS ARE
THE PRODUCT
OF ADVANCED
THINKING.**

FLLX80
3/8" Drive Dual 80° Technology Extra-Long Handle
Locking Flex Head Ratchet

You might not expect continuous innovation in something as tried and true as hand tools. Until you see the Snap-on® three-position needle nose pliers. Or our locking flex-head ratchet. They're both ingeniously designed tools that can help you get into the otherwise impossibly tight spaces you encounter more and more often in today's world. And they're just two examples of the innovative thinking we do every day. You can almost hear the gears grinding in our heads. And if you ever need to get at them, we probably have a tool for that.

RATCHETS



Dual 80[®] Technology Ratchets (1/4")

Stop, turn and listen. A smoother, stronger ratchet. Try them to believe them.

Dual 80[®] Technology Ratchets feature:

- 72-tooth gear, provides 5 degrees of swing arc
- Six teeth in contact with gear to provide strength and durability
- Sealed head keeps dirt and other contaminants out of the head mechanism



Set Contains:
 103RT01R*
 103RT02R*
 103RT03R*
 103RT04R*

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C			
TK72	Stubby Handle Ratchet	72	5	7/16	15/16	2-1/4	•		•
T72	Standard Handle	72	5	7/16	15/16	4-7/16			
TL72	Long Handle	72	5	7/16	15/16	8-1/2	•		
THL72*	Long Soft Grip Handle	72	5	7/16	15/16	6-7/8			•
TLL72	Extra-Long Handle	72	5	7/16	15/16	9	•		
THLL72*	Extra-Long Soft Grip Handle	72	5	7/16	15/16	9-3/4			•
TKF72	Stubby Handle Flex-Head Ratchet	72	5	7/16	15/16	3-1/4		•	•
TF72	Standard Handle Flex Head	72	5	7/16	15/16	6-1/4		•	
THLF72*	Long Soft Grip Handle Flex Head	72	5	7/16	15/16	8-1/4			•
TLLF72*	Extra-Long Handle Flex-Head	72	5	7/16	15/16	10-1/2		•	
THLLF72	Extra-Long Soft Grip Handle, Flex-Head	72	5	7/16	15/16	12-13/32			•
TX72	Standard Handle Locking Flex Head	72	5	7/16	15/16	6-1/4			
THLX72*	Long Soft Grip Handle Locking Flex Head	72	5	7/16	15/16	8-1/4			
T72MP	Multi-Position Head Ratchet	72	5	7/16	15/16	8-1/4			
TH72MP*	Multi-Position Head Ratchet	72	5	7/16	15/16	9-1/4			
TSLF72	Speeder Handle Flex Head	72	5	3/8	4	1-1/2			
TM72	Standard Handle Bit Driver	72	5	7/16	15/16	4-7/16			
TXM72	Standard Handle Locking Flex Bit Driver	72	5	7/16	15/16	6-1/4			
GT72	Standard Handle Industrial	72	5	7/16	15/16	4-7/16			

*Set includes foam organizer

*TH936-12 Soft Grip Replacement Handle

ASME[®] ANSI[®] B107.10

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

RATCHETS

1/4" DRIVE TOOLS



Quick-Release Ratchets

- Quick-release button for rapid socket/accessory changes, even with greasy or oily hands
- Dual 80[®] Technology features a 72-tooth gear to provide 5° of swing arc
- Six teeth in contact with gear provide strength and durability



Stock No.	Description	Gear Teeth	Swing Arc	A	B	C
TRK72	Stubby Handle Ratchet	72	5	7/16	15/16	2-1/4
TR72	Standard Handle, Quick-Release	72	5	7/16	15/16	4-7/16
THR72*	Standard Soft-Grip Handle, Quick-Release	72	5	7/16	15/16	6-7/8
TRL72	Long Quick-Release Handle	72	5	7/16	15/16	6-1/2
TRLL72	Extra-Long Handle Quick-Release	72	5	7/16	15/16	9
TRKF72	Stubby Handle Flex-Head Ratchet	72	5	7/16	15/16	3-1/4
TRF72	Standard Handle, Quick-Release Flex-Head	72	5	7/16	15/16	6-1/4
THRLF72*	Long Handle, Quick-Release Flex-Head	72	5	7/16	15/16	8-1/4
TRLLF72	Extra-Long Quick-Release Flex Head	72	5	7/16	15/16	12-13/32
THRLF72*	Extra-Long Soft Grip Handle, Quick-Release Flex-Head	72	5	7/16	15/16	12-13/32
TRX72	Standard Handle Locking Flex Head	72	5	7/16	15/16	6-1/4
THRLX72*	Long Handle, Quick-Release, Locking Flex-Head	72	5	7/16	15/16	6-7/8
TRSLF72	Speeder Handle Quick-Release Flex-Head	72	5	7/16	15/16	11

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

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS



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
TS72	Fingertip Round Head	72	5	7/16	1-1/4	1-1/4
TKN72	Stubby Handle Round Head	72	5	7/16	1-1/4	3-1/4
TN72	Standard Handle Round Head	72	5	7/16	1-1/4	4-1/2
TNF72	Standard Handle Round Swivel Head	72	5	7/16	1-1/4	5-7/16
THNF72*	Soft Grip Round Swivel Head	72	5	7/16	1-1/4	6-7/8
THNFM72	Soft-Grip Round Swivel Bit	72	5	7/16	1-1/4	6-7/8
TZERO	1/4" Drive Standard Gearless Round Head Ratchet	0	1	7/16	1-1/4	4-1/2

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

TH936-12 Soft Grip Handle

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS



- Do not immerse sealed ratchet in fluids.
- Frequently inspect, clean, and lubricate all non-sealed ratchet mechanisms with light oil.
- Do not replace worn parts individually; use entire contents of the service kit.
- Do not use "cheater bars" on handles.
- Read Safety Precautions on pages W1-W4.

RATCHETS



Low-Profile Ratchets (11 mm Internal Hex Drive)

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



Stock No.	Description	Gear Teeth	Swing Arc	A	B	C
RAT72A	11 mm Internal Hex Low-Profile	72	5	3/8	15/16	4-7/8



GT72FOD



GTL72FOD



T72FOD



TL72FOD

Foreign Object Damage (FOD) Ratchet (1/4")

- Designed to help prevent foreign object damage in sensitive work environments
- Cover plate and reverse lever permanently affixed to ratchet head with rivets to prevent chance of small parts debris



Stock No.	Description (Chart)	Gear Teeth	Swing Arc	A	B	C
GT72FOD	Industrial Handle Foreign Object Damage	72	5	7/16	15/16	4-11/16
GTL72FOD	Long Industrial Handle Foreign Object Damage	72	5	7/16	15/16	6-1/2
T72FOD	Standard Handle Foreign Object Damage	72	5	7/16	15/16	4-11/16
TL72FOD	Long Handle Foreign Object Damage	72	5	7/16	15/16	6-1/2

ASME/ANSI B107.10

Special Application Ratchets

TFY72 1/4" Drive Dual 80° Technology Standard Handle Hi-Lok® Flex-Head Ratchet

- Flex-Head Hi-Lok® Ratchet
- 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 for more power in less lateral space
- 6 teeth in full contact with gear to provide strength and durability
- A mere 5 degree ratcheting arc
- Sealed head helps keep dirt and other contaminants out of the head mechanism
- For use with standard or Hi-Lok® sockets



TFY72



TY72



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

ASME/ANSI B107.10

TMS70A



Ratchet Spinners (1/4")

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

ASME/ANSI B107.10

Ratchet Adaptor, Chrome (1/4")

TM77



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

ASME/ANSI B107.10

BREAKER BARS

Breaker Bars, Chrome (1/4")



TM9G



TM10G



THBB10



Stock No.	Description	A	B	C
TM9G	1/4" Drive 9"	5/8	9	5/16
TM10G	1/4" Drive 6"	5/8	6	5/16
THBB10*	1/4" Drive 6-1/2" Soft Grip Handle	5/8	6-1/2	5/16

ASME/ANSI B107.10

Colors Available



Red Orange Green

* ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

DRIVE HANDLES

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	D
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.

Colors Available



* ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



TM40ASA



Handled Driver/Stubby

- Ideal for use as a socket driver in low clearance applications

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



SGT4BR

SGTL4BR



TM4CSA



TM9CSA

Handled Drivers/Square Drive Handle

- Internal square drive allows use as an extension with 1/4" drive ratchets

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

Colors Available



* ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Ratcheting Drivers

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

Stock No.	A	B	C	E
TMR4*	5/16	3-7/8	8-31/32	5-31/32
TMRT8	5/16	8	10	2



TMR4

TMRT8



Colors Available



* ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



TM62B



TM63A



TM615



TM615

Flexible Drivers

- For low-torque applications
- Flexible shank allows better access around obstructions

Stock No.	A	B	C
TM615	1/4	15 (381)	18-9/16
TM62B	1/4	2-7/32 (56)	8-3/4
TM63A	1/4	4-21/32 (116)	9-3/16

Carburetor Adjustment Tools

1/4" Drive Standard Handle Extra-Long Flexible Driver

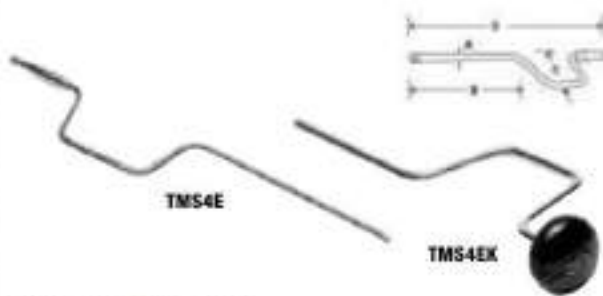
- Designed for carburetor work; this driver can also access recessed distributors
- 1/4" drive at the end of a tough but flexible spring steel shank
- Ideal to access hard-to-reach adjusting screws
- Intended for low-torque applications

Stock No.	A	B	C
TM615	1/4	15 (381)	18-9/16

- Do not disassemble POD ratchet in workplace.
- Do not use chrome or industrial finish hand tools with power drivers.
- Plastic coated handle does not protect against electric shock.
- Do not immerse sealed ratchet in fluids.
- Do not replace worn parts individually; use entire contents of the service kit.
- Frequently inspect, clean, and lubricate all non-sealed ratchet mechanisms with light oil.
- Do not use "cheater bars" on handles. Pull, do not push on handle.
- Read Safety Precautions on pages W1-W4.



DRIVE HANDLES



Speeders, Chrome

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



Sliding T-Handle, Chrome

- 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
TMS	13/16	5/16	4-1/2

EXTENSIONS



Knurled Extensions, Chrome

- Chamfered drive ends for easy engagement
- Small diameter shank for maximum accessibility
- Cold formed for robust performance and made from a single piece of steel
- Knurled shaft provides fingertip control
- Includes plastic storage tray



106BTMX



TMXK80

Colors Available



Red Orange Green

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Stock No.	Industrial Stock No.	A	B	Set Contains:
TMX1*	GTMX1*	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	
TA3	-	1/4	3/8	•
TMUBB	-	1/2	1-5/16	•

Set includes storage tray

*Set includes foam organizer

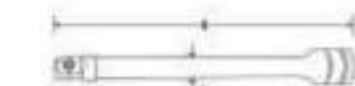
Industrial finish products not included in the set.

106TMXAFR*
106BTMX

Set Contains:

*Not Knurled

**ASME BANSI B107.10



Wobble Extensions, Chrome

- Provides 16° of additional accessibility
- Knurled shanks for easy fingertip turning



106ATMXW

Stock No.	A	B	Set Contains:
TMXW1*	5/16	1-1/4	•
TMXWK2*	5/16	2	•
TMXWK3*	5/16	3	
TMXWK4*	5/16	4	•
TMXWK60*	5/16	6	•
TMXWK80*	5/16	8	•
TMXWK110*	5/16	11	•

Set includes storage tray

*Not knurled

106ATMXW

Set Contains:

EXTENSIONS

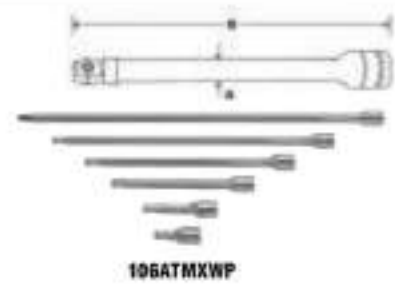
1/4" DRIVE TOOLS

Wobble Plus Extensions, Chrome

- Provides 16° of additional accessibility
- Useable in both wobble and rigid functionality

Stock No.	A	B	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	•

Set includes storage tray
*Not knurled



106ATMXWP

Locking Extensions, Chrome

- Quick-release sleeve releases socket quickly and easily
- Knurling at the drive end provides for easy fingertip turning

Stock No.	A	B	Set Contains:
TMXKL2	5/16	2	•
TMXKL3	5/16	3	•
TMXKL60A	5/16	6	•
TMXKL110A	5/16	11	•
TMXKL14A	5/16	14	•
TMXKL240A	3/8	24	•

TMXKL_RK—Extension Repair Kit (for TMXKLP) TXMKLP—Locking Pin



103TMXKLA

Extension Connectors, Chrome

TZ1 1/4" Drive Extension Connector

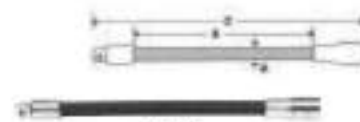
- 1/4" drive extension connector adds versatility to extensions, breaker bars, ratchets and crowfoot wrenches
- Connect one or more tools for a variety of ways to reach limited-access fasteners
- For use in marine, heavy truck, plumbing and manufacturing applications



TZ1

TZ2 2 pc 1/4" Drive Extension Connector Set

- Female and male 90° connectors add versatility to extensions, breaker bars, ratchets and crowfoots when accessing hard-to-reach fasteners



TM61A

Flexible Extension

Stock No.	A	B	C
TM61A	5/16	5-(1/27)	6

ASME[®]/ANSI[®] B107.10

SOCKET/RATCHET ACCESSORIES



TA3

1206GS

Square Drive Adaptors, Chrome (1/4")

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 6 pc Combination Square Drive Adaptor Set

- Includes 1/4" drive GFAT1E and TA3, 3/8" drive A2A and GSAF1F, and 1/2" drive GLA12B and GLA51E in a storage tray



103UFTS

Universal Joints, Chrome

TMUBB 1/4" Drive 1-1/8" Friction Ball 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

TMULB Locking Collar Universal Joint

- Locking pin to ensure better socket retention

Stock No.	A	B
TMULB	1/2	2-1/4
TMUBB	1/2	1-5/16

103UFTS 3 pc Combination Drive Universal Joint Set

- Includes (1) 1/4" Drive Universal Joint, (1) 3/8" Drive Universal Joint and (1) 1/2" Drive Universal Joint in storage tray



WARNING



- Do not use adapters with impact drivers. Do not exceed torque stamped on adaptor.
- Do not use chrome or industrial finish hand tools with impact drivers.
- Read Safety Precautions on pages W1-W4.

SOCKET/RATCHET ACCESSORIES



Magnetic Adaptors

Stock No.	A	B	C
TMXM17	7/32	13/32	1-21/32
TMXM114	7/32	9/32	1-17/32



Hex-to-Square Adaptors

Stock No.	A	B
GMB3041	Ball Detent	1
GMB3042	Ball Detent	2
GMB3046	Ball Detent	6

Insert Bit Style, non-impact

FLANK DRIVE® XTRA SOCKETS



Shallow, mm, Chrome

Set Contains:
112YTMMY
114YTMMY



mm	6	A	B	C	D	E	6	6
4	YTM04	7.1	12.7	13.3	22.2	4.0		*
4.5	YTM04.5	7.9	12.7	13.3	22.2	4.0		*
5	YTM05	7.9	12.7	13.3	22.2	4.0	*	*
5.5	YTM05.5	8.7	12.7	13.3	22.2	4.0	*	*
6	YTM06	9.5	12.7	13.3	22.2	5.6	*	*
7	YTM07	11.1	12.7	13.3	22.2	5.6	*	*
8	YTM08	11.9	12.7	13.3	22.2	6.4	*	*
9	YTM09	12.7	12.7	13.3	22.2	7.1	*	*
10	YTM10	14.3	14.3	12.7	22.2	7.1	*	*
11	YTM11	15.9	15.9	12.5	22.2	8.7	*	*
12	YTM12	16.7	16.7	12.8	22.2	8.7	*	*
13	YTM13	18.3	18.3	12.3	22.2	8.7	*	*
14	YTM14	19.1	19.1	13.5	23.0	10.3	*	*
15	YTM15	20.8	20.8	13.2	23.0	8.7	*	*
16	YTM16	21.4	21.4	14.6	25.4	8.5		

Sets shown include magnetic storage tray



Shallow, Inches, Chrome

Set Contains:
110YTMY
112YTMY



"	6	A	B	C	D	E	6	6
1/8	YTM04	1/4	1/2	1/2	7/8	1/8		*
5/32	YTM05	9/32	1/2	1/2	7/8	5/32		*
3/16	YTM6	5/16	1/2	1/2	7/8	5/32	*	*
7/32	YTM7	11/32	1/2	1/2	7/8	5/32	*	*
1/4	YTM8	3/8	1/2	1/2	7/8	7/32	*	*
9/32	YTM9	7/16	1/2	1/2	7/8	7/32	*	*
5/16	YTM10	15/32	1/2	1/2	7/8	1/4	*	*
11/32	YTM11	1/2	1/2	1/2	7/8	9/32	*	*
3/8	YTM12	9/16	9/16	1/2	7/8	9/32	*	*
7/16	YTM14	5/8	5/8	15/32	7/8	11/32	*	*
1/2	YTM16	11/16	11/16	15/32	7/8	11/32	*	*
9/16	YTM18	3/4	3/4	1/2	29/32	13/32	*	*
5/8	YTM20	27/32	27/32	17/32	1	3/8		*

Sets shown include magnetic storage tray

FLANK DRIVE® XTRA SOCKETS

1/4" DRIVE TOOLS

Semi-Deep, mm, Chrome



112YTMSY

Set Contains:

112YTMSY

mm	6	A	B	C	D	E	6
4	YTMS4	7.1	12.7	22.9	31.8	4.0	
4.5	YTMS4.5	7.9	12.7	22.9	31.8	4.0	
5	YTMS5	7.9	12.7	22.9	31.8	4.8	*
5.5	YTMS5.5	8.7	12.7	22.9	31.8	4.8	*
6	YTMS6	9.5	12.7	22.9	31.8	5.6	*
7	YTMS7	11.1	12.7	22.9	31.8	5.6	*
8	YTMS8	11.9	12.7	22.9	31.8	6.4	*
9	YTMS9	12.7	11.9	22.9	31.8	7.1	*
10	YTMS10	14.3	13.5	18.5	31.8	7.1	*
11	YTMS11	15.9	15.1	18.3	31.8	8.7	*
12	YTMS12	16.7	15.9	18.1	31.8	8.7	*
13	YTMS13	18.3	17.5	18.1	31.8	8.7	*
14	YTMS14	19.1	18.3	17.9	31.8	9.5	*
15	YTMS15	20.6	19.8	18.1	31.8	9.5	*

Sets shown include magnetic storage tray



YTMS4



YTMS15

Semi-Deep, Inches, Chrome



110YTMSY

Set Contains:

110YTMSY

"	6	A	B	C	D	E	6
1/8	YTMS04	1/4	1/2	7/8	1-1/4	5/32	
5/32	YTMS05	9/32	1/2	7/8	1-1/4	5/32	
3/16	YTMS6	5/16	1/2	7/8	1-1/4	3/16	*
7/32	YTMS7	11/32	1/2	7/8	1-1/4	3/16	*
1/4	YTMS8	3/8	1/2	7/8	1-1/4	7/32	*
9/32	YTMS9	7/16	1/2	7/8	1-1/4	7/32	*
5/16	YTMS10	15/32	1/2	7/8	1-1/4	1/4	*
11/32	YTMS11	1/2	15/32	7/8	1-1/4	9/32	*
3/8	YTMS12	9/16	17/32	23/32	1-1/4	9/32	*
7/16	YTMS14	5/8	19/32	23/32	1-1/4	11/32	*
1/2	YTMS16	11/16	21/32	11/16	1-1/4	11/32	*
9/16	YTMS18	3/4	23/32	11/16	1-1/4	3/8	*
5/8	YTMS20	27/32	13/16	21/32	1-1/4	13/32	*

Sets shown include magnetic storage tray



YTMS10

Deep, mm, Chrome



112YSTMMY

Set Contains:

112YSTMMY

114YSTMMY

mm	6	A	B	C	D	E	6	6
4	YSTMM4	7.1	12.7	41.9	50.8	4.0		*
4.5	YSTMM4.5	7.9	12.7	41.9	50.8	4.0		*
5	YSTMM5	7.9	12.7	41.9	50.8	4.8	*	*
5.5	YSTMM5.5	8.7	12.7	41.9	50.8	4.8	*	*
6	YSTMM6	9.5	12.7	41.9	50.8	5.6	*	*
7	YSTMM7	11.1	12.7	41.9	50.8	5.6	*	*
8	YSTMM8	11.9	12.7	41.9	50.8	6.4	*	*
9	YSTMM9	12.7	12.7	41.9	50.8	7.1	*	*
10	YSTMM10	14.3	14.3	37.5	50.8	7.1	*	*
11	YSTMM11	15.9	15.9	37.3	50.8	8.7	*	*
12	YSTMM12	16.7	16.7	37.2	50.8	8.7	*	*
13	YSTMM13	18.3	18.3	37.2	50.8	8.7	*	*
14	YSTMM14	19.1	19.1	37.0	50.8	10.3	*	*
15	YSTMM15	20.6	20.6	37.2	50.8	8.7	*	*

Sets shown include magnetic storage tray



YSTMM15



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4.

FLANK DRIVE® XTRA SOCKETS



YSTM18

Deep, Inches, Chrome



110YSTMY

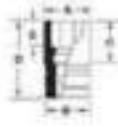
Set Contains:



Hex	Hex		A	B	C	D	E	Hex	
	6	12						6	12
1/8	YSTM04		1/4	1/2	1-5/8	2	5/32		*
5/32	YSTM05		9/32	1/2	1-5/8	2	5/32		*
3/16	YSTM6		5/16	1/2	1-5/8	2	3/16	*	*
7/32	YSTM7		11/32	1/2	1-5/8	2	3/16	*	*
1/4	YSTM8		3/8	1/2	1-5/8	2	7/32	*	*
9/32	YSTM9		7/16	1/2	1-5/8	2	7/32	*	*
5/16	YSTM10		15/32	1/2	1-5/8	2	1/4	*	*
11/32	YSTM11		1/2	1/2	1-5/8	2	9/32	*	*
3/8	YSTM12		5/16	5/16	1-15/32	2	5/32	*	*
7/16	YSTM14		5/8	5/8	1-15/32	2	11/32	*	*
1/2	YSTM16		15/16	15/16	1-7/16	2	11/32	*	*
9/16	YSTM18		3/4	3/4	1-7/16	2	13/32	*	*
5/8	YSTM20		27/32	13/16	1-7/16	2	13/32		*

Set includes magnetic storage tray

FLANK DRIVE® SOCKETS



TMM14

Shallow, mm, Chrome



111TMMDY

Set Contains:



mm	Hex		A	B	C	D	E	Hex	
	6	12						6	12
4	TMM4*	TMMD4*	7.1	12.7	13.3	22.2	4.0		
4.5	TMM4.5*	TMMD4.5*	7.9	12.7	13.3	22.2	4.0		
5	TMM5*	TMMD5*	7.9	12.7	13.3	22.2	4.0	*	*
5.5	TMM5.5	TMMD5.5	8.7	12.7	13.3	22.2	4.0	*	*
6	TMM6	TMMD6	9.5	12.7	13.3	22.2	5.6	*	*
7	TMM7	TMMD7	11.1	12.7	13.3	22.2	5.6	*	*
8	TMM8	TMMD8	11.9	12.7	13.3	22.2	6.4	*	*
9	TMM9	TMMD9	12.7	11.9	13.3	22.2	7.1	*	*
10	TMM10	TMMD10	14.3	13.5	12.7	22.2	7.1	*	*
11	TMM11	TMMD11	15.9	15.1	12.5	22.2	8.7	*	*
12	TMM12	TMMD12	16.7	15.9	12.6	22.2	8.7	*	*
13	TMM13	TMMD13	18.3	17.5	12.3	22.2	8.7	*	*
14	TMM14	TMMD14	19.1	18.3	13.5	23.0	10.3	*	*
15	TMM15	TMMD15	20.6	19.6	13.2	23.0	8.7	*	*
16	TMM16	—	21.4	20.6	14.8	23.4	9.5		

*Sets shown include magnetic storage tray

ASME® B107.5
*Conventional hex



TM16



GTMD18

Shallow, Inches, Chrome



110TMDY

Set Contains:



Hex	Hex		Hex	Hex	A	B	C	D	E	Hex		
	6	12								6	12	6
1/8	TM04*	TMD04*	—	—	1/4	1/2	1/2	7/8	1/8			*
5/32	TM05*	TMD05	—	—	9/32	1/2	1/2	7/8	5/32			*
3/16	TM6*	TMD6*	GTM6*	GTMD6*	5/32	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	25/32	3/8	*	*	*
5/8	TM20	TMD20	—	—	27/32	13/16	17/32	31/32	3/8			*

*Sets shown include magnetic storage tray

ASME® B107.1
*Conventional hex

FLANK DRIVE® SOCKETS

1/4" DRIVE TOOLS

Semi-Deep, mm, Chrome



Set Contains:



mm	6	12	A	B	C	D	E	6	12
4	TMS4*	TMMS4*	7.1	12.7	22.9	31.8	4.0		
4.5	TMS4.5*	TMMS4.5*	7.9	12.7	22.9	31.8	4.0		
5	TMS5*	TMMS5*	7.9	12.7	22.9	31.8	4.8	•	•
5.5	TMS5.5*	TMMS5.5*	8.7	12.7	22.9	31.8	4.8	•	•
6	TMS6	TMMS6	9.5	12.7	22.9	31.8	5.6	•	•
7	TMS7	TMMS7	11.1	12.7	22.9	31.8	5.6	•	•
8	TMS8	TMMS8	11.9	12.7	22.9	31.8	6.4	•	•
9	TMS9	TMMS9	12.7	11.9	22.9	31.8	7.1	•	•
10	TMS10	TMMS10	14.3	13.5	18.5	31.8	7.1	•	•
11	TMS11	TMMS11	15.9	15.1	18.3	31.8	8.7	•	•
12	TMS12	TMMS12	16.7	15.9	18.1	31.8	8.7	•	•
13	TMS13	TMMS13	18.3	17.5	18.1	31.8	8.7	•	•
14	TMS14	TMMS14	19.1	18.3	17.9	31.8	9.5	•	•
15	TMS15	TMMS15	20.6	19.8	18.1	31.8	9.5	•	•

Sets shown include magnetic storage tray
ANSI/ASME® B107.5

*Conventional hex



TMMDS14

Semi-Deep, Inches, Chrome



Set Contains:



in	6	12	A	B	C	D	E	6	12
1/8	TMS04*	TMS04*	15/32	15/32	23/32	1-1/4	9/32		
5/32	TMS05*	TMS05*	15/32	15/32	23/32	1-1/4	9/32		
3/16	TMS6*	TMS6*	5/16	15/32	29/32	1-1/4	7/32	•	•
7/32	TMS7*	TMS7*	11/32	15/32	29/32	1-1/4	7/32	•	•
1/4	TMS8	TMS8	3/8	15/32	29/32	1-1/4	1/4	•	•
9/32	TMS9	TMS9	13/32	15/32	29/32	1-1/4	1/4	•	•
5/16	TMS10	TMS10	15/32	15/32	23/32	1-1/4	9/32	•	•
11/32	TMS11	TMS11	1/2	15/32	29/32	1-1/4	5/16	•	•
3/8	TMS12	TMS12	9/16	1/2	23/32	1-1/4	5/16	•	•
7/16	TMS14	TMS14	5/8	19/32	23/32	1-1/4	3/8	•	•
1/2	TMS16	TMS16	11/16	21/32	23/32	1-1/4	3/8	•	•
9/16	TMS18	TMS18	3/4	23/32	29/32	1-1/4	3/8	•	•
5/8	TMS20	TMS20	15/32	15/32	23/32	1-1/4	9/32		

Sets shown include magnetic storage tray
ASME® B107.1

Conventional Hex



TMS14

Deep, mm, Chrome



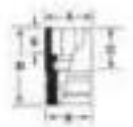
Set Contains:



mm	6	12	A	B	C	D	E	6	12
4	STMM4*	STMMD4*	7.1	12.7	41.9	50.8	4.0		
4.5	STMM4.5*	STMMD4.5*	7.9	12.7	41.9	50.8	4.0		
5	STMM5*	STMMD5*	7.9	12.7	41.9	50.8	4.8	•	•
5.5	STMM5.5*	STMMD5.5*	8.7	12.7	41.9	50.8	4.8	•	•
6	STMM6	STMMD6	9.5	12.7	41.9	50.8	5.6	•	•
7	STMM7	STMMD7	11.1	12.7	41.9	50.8	5.6	•	•
8	STMM8	STMMD8	11.9	12.7	41.9	50.8	6.4	•	•
9	STMM9	STMMD9	12.7	11.9	41.9	50.8	7.1	•	•
10	STMM10	STMMD10	14.3	13.5	37.6	50.8	7.1	•	•
11	STMM11	STMMD11	15.9	15.1	37.3	50.8	8.7	•	•
12	STMM12	STMMD12	16.7	15.9	37.2	50.8	8.7	•	•
13	STMM13	STMMD13	18.3	17.5	37.2	50.8	9.4	•	•
14	STMM14	STMMD14	19.1	18.3	37.0	50.8	10.3	•	•
15	STMM15	STMMD15	20.6	19.8	37.2	50.8	8.7	•	•

Sets shown include magnetic storage tray
ANSI/ASME® B107.5

*Conventional hex



STMMD14



• Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
• Read Safety Precautions on pages W1-W4

FLANK DRIVE® SOCKETS



Deep, Inches, Chrome

Inches	6-Point Configuration				A	B	C	D	E	Set Contains:	
	6	12	6	12						6	12
1/8	STM04*	STMD04*	—	—	1/4	1/2	1-5/8	2	5/32		
5/32	STM05*	STMD05*	—	—	9/32	1/2	1-5/8	2	5/32		
3/16	STM6*	STMD6*	GSTM6*	GSTMD6*	5/16	1/2	1-5/8	2	3/16	*	*
7/32	STM7*	STMD7*	GSTM7*	GSTMD7*	11/32	1/2	1-5/8	2	3/16	*	*
1/4	STM8	STMD8	GSTM8	GSTMD8	3/8	1/2	1-5/8	2	7/32	*	*
9/32	STM9	STMD9	GSTM9	GSTMD9**	7/16	1/2	1-5/8	2	7/32	*	*
5/16	STM10	STMD10	GSTM10	GSTMD10**	15/32	1/2	1-5/8	2	1/4	*	*
11/32	STM11	STMD11	GSTM11	GSTMD11	1/2	15/32	1-5/8	2	9/32	*	*
3/8	STM12	STMD12	GSTM12	GSTMD12	9/16	17/32	1-15/32	2	9/32	*	*
7/16	STM14	STMD14	GSTM14	GSTMD14	5/8	19/32	1-15/32	2	11/32	*	*
1/2	STM16	STMD16	GSTM16	GSTMD16	11/16	21/32	1-7/16	2	11/32	*	*
9/16	STM18	STMD18	—	GSTMD18	3/4	23/32	1-7/16	2	13/32	*	*
5/8	STM20A	STMD20	—	—	27/32	13/16	1-7/16	2	13/32		

Sets shown include magnetic storage tray
*Conventional hex

ASME® B107.1
**Features a larger bolt clearance diameter for servicing aerospace fasteners



Long, mm, Chrome

mm	6-Point Configuration		A	B	C	D	E	Set Contains:	
	6	6						6	6
7	STMML7A		10.5	12.1	101.6	114.3	6.1	*	*
8	STMML8A		11.4	12.1	101.6	114.3	6.9	*	*
9	STMML9A		12.8	11.4	101.6	114.3	7.4	*	*
10	STMML10A		13.9	13.2	101.6	114.3	7.4	*	*
11	STMML11A		15.3	14.6	101.6	114.3	9.1	*	*
12	STMML12A		16.4	15.8	101.6	114.3	9.1	*	*
13	STMML13A		18.0	17.2	101.6	114.3	9.1	*	*
14	STMML14A		18.7	17.9	101.6	114.3	10.7	*	*
15	STMML15A		20.3	19.6	101.6	114.3	9.7	*	*

Application:

For bumper cover bolts found on most European, Asian and US vehicles.

Shallow/Deep Sets, Inches, Chrome (1/4")

120STTM 20 pc 1/4" Drive 6-Point SAE Flank Drive® Shallow/Deep Socket Set

- Includes TM6–TM18 shallow sockets and STM6–STM18 deep sockets in magnetic storage tray
- Snap-on® sockets using the Flank Drive® wrenching system grip the fastener on the flanks/flats which deliver 15–25% more turning power
- Nickel-chrome alloy finish resists against rust and corrosion

- Manufactured from the highest quality proprietary steel, providing optimum strength and durability
- 6-point configuration and Flank Drive® wrenching system

124STTMM 24 pc 1/4" Drive 6-Point Metric Flank Drive® Shallow/Deep Socket Set

- Includes TMM5–TMM16 shallow and STTMM5–STTMM15 deep sockets (5–15 mm) in magnetic storage tray



Master Foam Sets, Chrome (1/4")

142STMMSYFR1 42 pc 1/4" Drive Metric Flank Drive® Socket Foam Set

139STMSYFR1 39 pc 1/4" Drive Socket Foam Set

- Includes TM04–TM20 shallow sockets; TMS04–TMS20 semi-deep sockets and STM04–STM20 deep sockets in a foam organizer
- Manufactured from the highest quality proprietary steel, providing optimum strength and durability
- 6-point configuration and Flank Drive® wrenching system
- Snap-on® sockets using the Flank Drive® wrenching system grip the fastener on the flanks/flats which deliver 15–25% more turning power

- Chrome/nickel-alloy finish resists against rust and corrosion
- Designed for maximum tool concentration on the smallest possible footprint
- Modular foam trays can be reconfigured in drawer to accommodate new tools sets
- Closed cell cross-linked foam for superior performance and durability—resists oils, solvents and fuels and is easy to clean
- Contrasting colors provide visual control and eliminate time spent searching for missing tools
- Protects your investment and increases productivity



Colors Available



* R1 O1 G1
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

FLANK DRIVE® LOW-PROFILE SOCKETS



Low-Profile Socket Sets, mm

mm	110RTSMA		A	B	C	D	E	Set Contains:			
	6	12						6	6	12	
5	RTSM5	RTM5	7.7	12.1	7.7	17.7	2.2	*	*	*	
5.5	RTSM5.5	RTM5.5	8.3	12.1	7.7	17.7	2.6	*	*	*	
6	RTSM6	RTM6	9.3	12.1	7.7	17.7	2.7	*	*	*	
7	RTSM7	RTM7	10.5	12.1	7.7	17.7	2.8	*	*	*	
8	RTSM8	RTM8	11.5	12.1	7.7	17.7	3.6	*	*	*	
9	RTSM9	RTM9	12.7	12.1	7.7	17.7	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	6.9	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				
—	—	RTMBS8	15/32	15/32	—	17/32	7/16		*	*	
—	—	RAT72A	11 mm Internal Hex Low-Profile							*	*

Sets include storage tray

RAT72A 1/4" Drive Dual 80° Technology 11 mm Internal Hex Low-Profile Ratchet

- Special low-profile square drive design works with low-profile sockets to access restricted clearance areas with no loss of strength
- Dual 80° Technology requires less arc to engage the next gear tooth to provide extra access in confined areas

RTMBS8 Low-Profile Magnetic 1/4" Shank Bit Holder

- Magnetic Bit Holder for the Low-Profile RAT72A Ratcheting Wrench
- Holds any 1/4" shank bit: SAE and metric hex bits, TORX®, and ball TORX®, PHILLIPS® and straight bits
- Fits in any 11 mm ratcheting wrench



RAT72A



RTMBS8

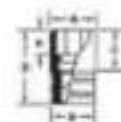
1/4" DRIVE TOOLS



Low-Profile Socket Sets, Inches

Inches	110RT		A	B	C	D	E	Set Contains:		
	12	12						12	12	
3/16	RT61	—	5/16	15/32	11/32	25/32	3/32	*	*	
7/32	RT71	—	11/32	15/32	3/8	19/16	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	11/8	3/16	*	*	
7/16	RT141	—	19/32	15/32	1/4	11/8	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	*	*	
—	—	RTMBS8	15/32	15/32	—	17/32	7/16		*	
—	—	RAT72A	11 mm Internal Hex Low-Profile							*

Sets include storage tray



RT101

Essential Socket Sets

108ES10MMY 8 pc 1/4" Drive Essential 10 mm Socket Set

- The innovative Flank Drive® Wrenching System provides flat-to-flat contact for up to 20% more turning power
- The Flank Drive® Xtra wrenching system grips fasteners with the angled contour of the socket wall—delivering higher strength and up to 50% more turning power on damaged fasteners
- Welded pivot pin reinforces socket wall and allows full 30° of uninterrupted, smooth action for efficient power transfer at any angle with no loss in torque output
- Manufactured from the highest quality proprietary steel, providing optimum strength and durability
- Includes: TMM10, STMM10, YTMMS10, TMUSM10A, SIMTMM10, IMTMM1, TMMD10, and IPTMM10A in a magnetic storage tray



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Frequently inspect, clean, and lubricate all non-sealed ratchet mechanisms with light oil.
- Do not replace worn parts individually; use entire contents of the service kit.
- Do not use bits with impact driver.
- Read Safety Precautions on pages W1-W4

FLANK DRIVE® LOW-PROFILE SOCKETS



SDMS10



SDMS10

Stubby Bits and Bit Holder for Low-Profile Ratchets

Set Contains:

Type (chart)	Stock No.	Size	
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	•

Set includes storage tray

FLANK DRIVE® UNIVERSAL SOCKETS



TMUM8A

Shallow Universal, mm, Chrome



111TMUSMA

Set Contains:

mm	6	12	A	B	C	D	E	6	6
5	TMUSM5A	TMUM5A	8.3	12.7	7.9	28.6	3.2		
5.5	TMUSM5.5A		8.5	12.7	—	29.2	3.6	•	
6	TMUSM6A	TMUM6A	9.6	12.7	7.9	29.7	3.8	•	
7	TMUSM7A	TMUM7A	10.7	12.7	10.3	30.5	4.3	•	
8	TMUSM8A	TMUM8A	11.8	12.7	10.3	30.5	4.8	•	•
9	TMUSM9A	TMUM9A	12.7	12.7	11.1	31.2	4.8	•	
10	TMUSM10A	TMUM10A	14.0	12.7	11.9	32.5	5.8	•	•
11	TMUSM11A		15.4	12.7	—	33.0	6.6	•	
12	TMUSM12A	TMUM12A	16.5	12.7	14.3	34.5	6.9	•	•
13	TMUSM13A	TMUM13A	17.3	12.7	16.3	36.8	7.6	•	•
14	TMUSM14A		19.1	12.7	19.1	38.9	8.3	•	•
15	TMUSM15A		20.6	12.7	21.4	41.3	8.7	•	•

Sets include storage tray



TMU161A



GTMU141A

Shallow Universal, Inches, Chrome



106TMUSA

Set Contains:

in	6	12	12	A	B	C	D	E	6	12
3/16	—	TMU61A*	—	5/16	1/2	25/64	1-1/4	15/64		
7/32	—	TMU71A*	GTMU71A*	11/32	1/2	25/64	1-1/4	15/64		
1/4	TMUS81A	TMU81B	—	25/64	1/2	25/64	1-1/4	7/32	•	•
9/32	—	TMU91A	—	27/64	1/2	33/64	1-9/32	17/64		
5/16	TMUS101A	TMU101A	—	15/32	1/2	35/64	1-5/16	17/64	•	•
11/32	—	TMU111A	—	1/2	1/2	9/16	1-11/32	17/64		
3/8	TMUS121A	TMU121A	—	9/16	1/2	39/64	1-3/8	17/64	•	•
7/16	TMUS141A	TMU141A	GTMU141A	39/64	1/2	41/64	1-7/16	21/64	•	•
1/2	TMUS161A	TMU161A	—	15/16	1/2	23/32	1-1/2	21/64	•	•
9/16	TMUS181A	TMU181A	—	3/4	1/2	3/4	1-17/32	7/32	•	•

Sets include storage tray
*Conventional hex.

FLANK DRIVE® UNIVERSAL SOCKETS

Deep Universal, mm, Chrome

#	Stock No.	A	B	C	D	E
10	STMUM10A	14.3	12.7	21.0	40.5	5.0



STMUM10A

Deep Universal, Inches, Industrial

#	Stock No.	A	B	C	D	E
5/16	GSTMU101A	1/2	1/2	21/32	1-25/32	17/64



GSTMU101A

TORX® SOCKETS



213AFLEY

Shallow TORX®, Chrome

#	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
E12	TLE120A	35/64	35/64	7/8

Sets shown include magnetic storage tray

210AFLEY 10 pc Combination Drive TORX® Shallow Socket Set

- Includes (10) sockets—1/4" drive (E4-E8) and 3/8" drive (E10-E18)
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean
- Manufactured from special alloy steel and treated for optimum strength and durability
- Use of a standard TORX® bit socket on a TORX Plus® fastener may result in a rounded out fastener head or damaged bit socket

213AFLEY 13 pc Combination Drive TORX® Shallow Socket Set

- Includes (6) 1/4" drive (E4-E10), (3) 3/8" drive (E11-E14) and (4) 1/2" drive (E16-E24) TORX® shallow sockets in a magnetic storage tray



STLE70



Deep TORX®, Chrome

#	Stock No.	A	B	C
E4	STLE40	31/64	9/32	.2
E5	STLE50	31/64	5/16	.2
E6	STLE60	31/64	25/64	.2
E7	STLE70	31/64	3/8	.2
E8	STLE80	31/64	13/32	.2
E10	STLE100	31/64	7/16	.2

STLE70 1/4" Drive TORX® E7 Deep Socket

- 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
- For removing and installing vacuum pumps on BMW® N63 V8 engines without removing the catalytic converter, saving technician an average of two hours

Low-Profile Inverted TORX®, Chrome

#	Stock No.	A	B	C	Set Contains:
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	16.5	•
E10	RTLE100	12.1	12.1	17.4	•

Set includes storage tray



TSE120



Universal TORX®, Chrome

#	Stock No.	A	B	C	D	E
E8	TSE80	27/64	1/2	43/64	1-9/32	1/4
E10	TSE100	1/2	1/2	1/2	1-11/32	17/64
E12	TSE120	9/16	1/2	35/64	1-3/8	17/64

TSE80 1/4" Drive TORX® E8 Universal Socket

- Applications include Mercedes-Benz® turbo chargers, crankshaft position sensor, sensors and intake bolts, bell housing bolts and ignitions switch
- Manufactured from special alloy steel
- Precision forged and heat-treated for optimum strength and durability

TSE100 1/4" Drive TORX® E10 Universal Socket

TSE120 1/4" Drive TORX® E12 Universal Socket

- Applications include Mercedes-Benz® oil pan bolts, interior and engine fasteners, water pumps, power steering pumps and engine covers on newer models



- Do not use chrome or industrial finish tools with power drivers or impact drivers.
- Do not use bits with impact driver.
- Read Safety Precautions on pages W1-W4.

FLANK DRIVE® HIGH-PERFORMANCE SOCKETS



TDHU01B

Universal, Inches, Chrome (1/4")

Chrome tools comply with 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 6 and 12 point fasteners with an advantage similar to the Snap-on® Flank Drive® wrenching system.

		A	B	C	D	E
3/8	TDHU01B	13/32	1/2	3/8	1-7/32	1/4
5/16	TDHU121B	17/32	1/2	7/16	1-7/16	5/16
1/4	TDHU101B	15/32	1/2	1/2	1-11/32	1/4

SPLINE SOCKETS



TES10B



Shallow, Inches, Chrome (1/4")

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 6- and 12-point fasteners with an advantage similar to the Snap-on® Flank Drive® wrenching system.



209TFES

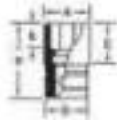
		A	B	C	D	E
#7 (7/32)	TES7B	11/32	7/16	15/32	15/16	7/32
#8 (1/4)	TES8B	3/8	7/16	15/32	15/16	9/32
#9 (9/32)	TES9B	7/16	7/16	—	15/16	—
#10 (5/16)	TES10B	15/32	15/32	—	15/16	11/32
#12 (3/8)	TES12B	25/64	35/64	19/32	59/64	23/64
#14 (7/16")	TES14B	5/8	39/64	23/32	1-3/64	7/16

209TFES 9 pc Combination Drive SAE Shallow Spline Socket Set

- Includes 1/4" drive TES7B–TES10B and 3/8" drive FES120B–FES200B Shallow Spline Sockets (9 pc) (#7–20, 7/32–5/8") in magnetic socket tray



207TFEL



Deep, Inches, Chrome (1/4")

		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	1-17/32	2	11/32

207TFEL 7 pc Combination Drive SAE Deep Spline Socket Set

- Includes 1/4" drive TEL7B–TEL10B and 3/8" drive FEL120B–FEL200B Deep Spline Sockets (7 pc) (#7–20, 7/32–5/8") in magnetic socket tray



TESU8B



TESU10B



Shallow Universal, Inches, Chrome (1/4")

		A	B	C	D	E
1/4	TESU8B	3/8	1/2	13/32	1-7/32	7/32
5/16	TESU10B	15/32	1/2	1/2	1-11/32	9/32



TELM8B



Deep, Metric, Chrome (1/4")

		A	B	C	D	Dimension E, Opening Depth, mm
#7 (7/32)	TELM7B	10.4	10.9	36.3	50.6	7.3
#8 (1/4)	TELM8B	11.7	11.7	36.3	50.6	8.8
#10 (5/16)	TELM10B	11.7	11.7	36.3	50.6	8.8



TTA35

Torque Adaptor

TTA35 1/4" Drive Female/Male Torque Adaptor

- 3.5" long, center to center

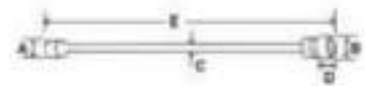
SPECIAL APPLICATION SOCKETS

1/4" DRIVE TOOLS

Swivel Ball Extension Sockets, mm, Industrial

1/4" Drive 6-Point Metric 7 mm Swivel Ball Extension Power Socket

- Great for difficult-to-access areas where the use of one tool works better than three (socket, swivel, and extension)
- 30° uninterrupted swivel action means greater accessibility in tight quarters, allowing easier, faster removal of stubborn fasteners and time savings
- Laser welded pivot pin allows smooth, full 30° swivel action for efficient power transfer at any angle with no loss in torque output, prolonging the life of the socket



PTSXM608

mm	6	A	B	C	D	E
7	PTSXM607A	12.19	11.38	8.25	13.28	136.89
8	PTSXM608	12.19	11.38	8.25	12.95	138.17



106FLIPSET

S6911

Flip Sockets

106FLIPSET 6 pc 1/4" Drive 12-Point Metric Semi-Deep Flip Socket Set

- Manufactured from special alloy steel, precision forged and heat-treated for optimum strength and durability
- Double hex (12 pt) allows socket to engage single hex fastener every 30° rather than every 60°, allowing for better access in restricted areas
- Set includes 8/10, 9/11, 12/14 and 13/15 mm flip sockets, 2 and 6" long Hex-to-Square Adaptors
- Great starter set for cordless screwdrivers

S61214 1/4" Drive 12-Point Metric 12 and 14 mm Semi-Deep Flip Socket

- 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
- Use on 12 and 14 mm fasteners found in numerous applications on Asian vehicles

S61315 1/4" Drive 12-Point Metric 13 and 15 mm Semi-Deep Flip Socket

- Use on 13 and 15 mm fasteners found in numerous applications on US vehicles

S6810 1/4" Drive 12-Point Metric 8 and 10 mm Semi-Deep Flip Socket

- Double hex (12-point) allows socket to engage single hex fastener every 30° rather than every 60°, allowing for better access in restricted areas
- For removing and installing underbelly pans on various vehicles
- 8MW® vehicles use 30 fasteners that are a combination of 8 and 10 mm that hold the underbelly pans on various vehicles, providing the convenience of one tool to work on both sizes
- Lexus® vehicles use 10 mm fasteners
- Infiniti® and Mercedes-Benz® vehicles use 8 mm fasteners
- Splash shields on Chevrolet® Cruze® vehicles and Buick® Verano® vehicles use 8 mm fasteners
- Manufactured from special alloy steel and heat-treated for optimum strength
- 1.44" long

S6911 1/4" Drive 12-Point Metric 9 and 11 mm Semi-Deep Flip Socket

- Use on 9 and 11 mm fasteners found in numerous applications on European vehicles



PMP303

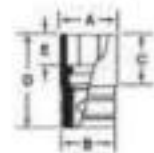
Pipe Plug, mm

PMP303 1/4" Drive Metric 3 mm 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
- Manufactured from special alloy steel



TM408



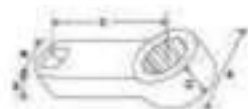
Double Square, Chrome

1/4"	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



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not use power sockets or accessories with impact drivers.
- Read Safety Precautions on pages W1-W4.

SPECIAL APPLICATION SOCKETS



TRDHM7

Torque Adaptors, mm

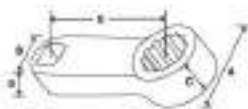
1/4" Drive 12-Point Metric 6 mm Torque Adaptor

- Manufactured from special alloy steel
- Precision forged and heat-treated for optimum strength and durability
- 12-point double hex allows the socket to engage single hex fastener every 30° rather than every 60°, allowing for better access in restricted areas
- 1" center-to-center length on adaptor for easy torque calculations
- Design features radius edges that resist damage/nicks

mm	12	A	B	C	D	E
6	TRDHM6*	9.5	11.9	6.6	6.6	25.4
7	TRDHM7**	9.5	11.9	6.6	6.6	25.4
8	TRDHM8**	9.5	11.9	6.6	6.6	25.4

*For applications involving AS350/355 Airbus® helicopters (formerly Eurocopter) known as A-star® and Twin-Star helicopters in North America

**Used attached to a torque wrench on a hard-to-reach fastener



TRDHL101

Torque Adaptors, SAE (1/4" Drive)

Stock No.	Description	A	B	C	D	E
TRDHL101	1/4" Drive 5/16" SAE Torque Adaptor	1/2 (12.7)	15/32 (11.91)	17/64 (8.75)	17/64 (8.75)	2 (50.8)
TRDHL121	1/4" Drive 3/8" SAE Torque Adaptor	3/16 (4.88)	15/32 (11.91)	17/64 (8.75)	17/64 (8.75)	2 (50.8)
TRDHL141	1/4" Drive 7/16" SAE Torque Adaptor	43/64 (17.1)	15/32 (11.91)	17/64 (8.75)	17/64 (8.75)	2 (50.8)
TRDHL81	1/4" Drive 1/4" SAE Torque Adaptor	13/32 (10.32)	15/32 (11.91)	17/64 (8.75)	17/64 (8.75)	2 (50.8)
TRDHLP101	1/4" Drive 5/16" SAE DH Low-Profile Torque Adaptor	1/2 (12.7)	15/32 (11.91)	1/8 (3.18)	17/64 (8.75)	2 (50.8)

TORX® BIT SOCKETS



106TTX



212EFTXY

★ TORX®/Standard (1/4")

Set Contains:

Size	Standard	TORX	A	B	C	D	Standard
T8	TTX8E	GTTX8E	1-37/64	45/64	15/32	TTX8E2	•
T10	TTX10E	GTTX10E	1-37/64	45/64	15/32	TTX10E2	•
T15	TTX15E	GTTX15E	1-37/64	45/64	15/32	TTX15E2	•
T20	TTX20E	GTTX20E	1-37/64	45/64	15/32	TTX20E2	•
T25	TTX25E	GTTX25E	1-37/64	45/64	15/32	TTX25E2	•
T27	TTX27E		1-37/64	45/64	15/32	FTX27E2	•
T30	TTX30E		1-37/64	45/64	15/32	FTX30E2	•
T40	TTX40E		1-37/64	45/64	15/32	FTX40E2	•

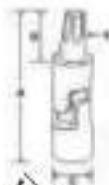
Sets include storage tray

212EFTXY 12 pc Combination Drive TORX® Bit Standard Socket Set

- Includes (5) 1/4" drive TORX® drivers (TTX8E–TTX25E), plus (6) 3/8" drive TORX® drivers (FTX27E–FTX55E) and (1) 3/8" drive FTX47E GM®-style driver (T47) in a magnetic storage tray
- High-grade steel for strength and reliability
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean
- Use of a standard TORX® bit socket on a TORX Plus® fastener may result in a rounded out fastener head or damaged bit socket



105TUTX



★ TORX®/Stubby Universal, Chrome (1/4")

Set Contains:

Size	Stock No.	A	B	C	D
T20	TUTX20E	1-3/4	1/2	1/2	TUTX20E2
T25	TUTX25E	1-3/4	1/2	1/2	TUTX25E2
T27	TUTX27E	1-3/4	1/2	1/2	TUTX27E2
T30	TUTX30E	1-3/4	1/2	1/2	TUTX30E2
T40	TUTX40E	1-3/4	1/2	1/2	TUTX40E2

Set includes storage tray

105TUTX 5 pc TORX® Stubby Universal Bit Socket Set

- Numerous other applications for Mercedes® that require a TORX® Stubby Bit Socket where a TORX® Regular Bit Socket will not fit in T20, T25 and T27

TORX® BIT SOCKETS



★ TORX®/Heavy-Duty Removal, Chrome (1/4")

#	Stock No.	A	B	C	D
T15	TTXB15E	1-37/64	45/64	11/16	TTXB15E2
T20	TTXB20E	1-37/64	45/64	11/16	TTXB20E2
T25	TTXB25E	1-37/64	45/64	11/16	TTXB25E2

209EFTXB Y 9 pc Combination Drive TORX® Bit Heavy-Duty Removal Socket Set

- Includes 1/4" drive TTXB15E–TTXB25E (T15–T25) and 3/8" drive FTXB27E–FTXB50E (T27–T55) in a magnetic storage tray
- Tapered profile provides better engagement on stubborn fasteners
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean
- Manufactured from special alloy steel and treated for optimum strength and durability
- Use of a standard TORX® bit socket on a TORX Plus® fastener may result in a rounded out fastener head or damaged bit socket



★ TORX®/Tamper-Resistant, Chrome (1/4")

#	Stock No.	A	B	C	D
T8	TTXR8E	1-37/64	45/64	15/32	TTXR8E2
T10	TTXR10E	1-37/64	45/64	15/32	TTXR10E2
T15	TTXR15E	1-37/64	45/64	15/32	TTXR15E2
T20	TTXR20E	1-37/64	45/64	15/32	TTXR20E2
T25	TTXR25E	1-37/64	45/64	15/32	TTXR25E2
TR40	TTXR40E	2-1/8	1-3/4	15/32	TTXR40E2
	TMUBB	1/2	1-5/16		

Sets shown include magnetic storage tray

210EFTXRY 10 pc Combination Drive TORX® Bit Tamper-Resistant Socket Set

- Includes 1/4" drive TTXR8E–TTXR25E (T8–T25) and 3/8" drive FTXR27E–FTXR50E (TR27–TR50) in a magnetic storage tray
- Two piece pinless design holds bit securely in socket while facilitating quick bit replacement
- Cold-formed socket delivers a strong, durable tool
- Nickel-chrome alloy finish resists against rust and corrosion



★ TORX Plus®/Chrome (1/4")

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	C	D
T8	TTX8TPE	1-37/64	45/64	15/32	TTX8TPE2
T10	TTX10TPE	1-37/64	45/64	15/32	TTX10TPE2
T15	TTX15TPE	1-37/64	45/64	15/32	TTX15TPE2
T20	TTX20TPE	1-37/64	45/64	15/32	TTX20TPE2
T25	TTX25TPE	1-37/64	45/64	15/32	TTX25TPE2
	TMX1	5/16	1-1/4		

Set shown includes magnetic storage tray.

211EFTXTPY 11 pc Combination Drive TORX Plus® Bit Socket Driver Set

- Includes 1/4" drive (8IP–25IP) and 3/8" drive (27IP–55IP) in a magnetic storage tray
- TORX Plus® fasteners may be found in most vehicles from 1999–present
- Common applications include GM® transmission bell housing bolts, Ford® seat belt anchors, and Ford® 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



★ TORX®/Long, Chrome (1/4")

#	Stock No.	A	B	C	D
T8	TTXL8E	4-1/16	3-13/64	15/32	TTXL8E2
T10	TTXL10E	4-1/16	3-13/64	15/32	TTXL10E2
T15	TTXL15E	4-1/16	3-13/64	15/32	TTXL15E2
T20	TTXL20E	4-1/16	3-13/64	15/32	TTXL20E2
T25	TTXL25E	4-1/16	3-13/64	15/32	TTXL25E2

Set includes storage tray

210EFTXL 10 pc Combination Drive TORX® Bit Long Socket Set

- Includes 1/4" drive TTXL8E–TTXL25E (T8–T25) and 3/8" drive FTXL27E–FTXL50E (T27–T50) in a storage tray
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean
- Manufactured from special alloy steel and treated for optimum strength and durability
- Use of a standard TORX® bit socket on a TORX Plus® fastener may result in a rounded out fastener head or damaged bit socket



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not use power tools or accessories with impact drivers.
- Read Safety Precautions on pages W1–W4.

TORX® BIT SOCKETS



★ TORX Plus®/Tamper-Resistant, Chrome (1/4")

#	Stock No.	A	B	C	D
T8	TTXR8TPE	1-37/64	45/64	15/32	TTXR8TPE2
T10	TTXR10TPE	1-37/64	45/64	15/32	TTXR10TPE2
T15	TTXR15TPE	1-37/64	45/64	15/32	TTXR15TPE2
T20	TTXR20TPE	1-37/64	45/64	15/32	TTXR20TPE2
T25	TTXR25TPE	1-37/64	45/64	15/32	TTXR25TPE2

211EFTXRTPY 11 pc Combination Drive Tamper-Resistant TORX Plus® Socket Driver Set

- Includes 1/4" drive (BIPR-55IPR) and 3/8" Drive (27IPR-55IPR)
- Applications: 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
- Includes magnetic storage tray

METRIC HEX BIT SOCKETS



Hex/Standard, mm, Chrome (1/4")

mm		A	B	C	D	
2	TMAM2E	47.1	24.9	12.1	TMAM2E2	•
2.5	TMAM2.5E	47.1	24.9	12.1	TMAM2.5E2	•
3	TMAM3E	47.6	25.4	12.1	TMAM3E2	•
4	TMAM4E	47.6	25.4	12.1	TMAM4E2	•
5	TMAM5E	47.6	25.4	12.1	TMAM5E2	•
6	TMAM6E	47.6	25.4	12.1	TMAM6E2	•

Sets shown include magnetic storage tray

210EFTAMY 10 pc Combination Drive Metric Standard Hex Bit Socket Set

- Includes 1/4" drive TMAM2E-TMAM3E (2-3 mm) and 3/8" drive FAM4E-FAM10E (4-10 mm) in a magnetic storage tray
- Indispensable sockets for a wide variety of applications in automotive (foreign and domestic), aviation and industrial settings
- Sockets are manufactured from special alloy steel that provides long life and great strength
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe socket clean

Hex/Stubby, mm, Chrome (1/4")

mm		A	B	C	D	
3	TMAMXS3E	20.0	3.6	12.1	TMAMXS3E2	
4	TMAMXS4E	27.1	4.8	12.1	TMAMXS4E2	
5	TMAMXS5E	28.1	5.8	12.1	TMAMXS5E2	
6	TMAMXS6E	29.1	6.9	12.1	TMAMXS6E2	



208EFTAMXS

208EFTAMXS 8 pc Combination Drive Metric Hex Bit Stubby Socket Driver Set

- Includes 1/4" drive TMAMXS3E-TMAMXS6E (3-6 mm) and 3/8" drive FAMXS7E-FAMXS10E (7-10 mm) in a magnetic storage tray
- Short bit length for use in limited-access spaces
- Sockets are manufactured from special alloy steel that provides long life and great strength
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe socket clean

METRIC HEX BIT SOCKETS



Hex/Stubby Universal, mm, Chrome (1/4")

mm		A	B	C	D
4	TUAM4E	36.6	4.7	12.6	TMAXS4E2
5	TUAM5E	36.4	6.5	12.6	TUAM5E2
6	TUAM6E	36.4	6.5	12.6	TUAM6E2



Ball Hex/Standard, mm, Chrome (1/4")

mm		A	B	C	D
3	TMABM3E	47.6	25.4	12.1	TMABM3E2
4	TMABM4E	47.6	25.4	12.1	TMABM4E
5	TMABM5E	47.9	25.7	12.1	TMABM5E2
6	TMABM6E	47.9	25.7	12.1	TMABM6E2

208EFTABMY 8 pc Combination Drive Metric Ball Hex Bit Socket Set

- Includes 1/4" drive TMABM3E–TMABM6E (3–6 mm), 3/8" drive FABM7E–FABM10E (7–10 mm) in a magnetic storage tray
- Ball end of bit makes it easier to insert bit into fastener, especially in blind-access applications
- Sockets are manufactured from special alloy steel that provides long life and great strength
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe socket clean



Hex/Stubby Universal, Inches, Chrome (1/4")

TUA6E 1/4" Drive 3/16" Stubby Flex Hex Bit Socket

- Precision machined and heat-treated for optimum strength and durability
- Nickel-chrome finish helps protect against corrosion and makes it easy to wipe clean
- Replacement Bit - TMAXS6E2

Combination Bit Socket Sets

237NEXTORXST 37 pc Combination Drive Socket Driver Set

- Up to 20% stronger than 1 pc bit designs and up to twice ANSI® proof load
- Heat-treated for strength and durability
- Precise fit to fasteners and multiple detents for secure drive attachment

- Set includes:
 - (5) 1/4" Drive Standard TORX® Bit Sockets
 - (7) 3/8" Drive Standard TORX® Bit Sockets
 - (7) 3/8" Drive Stubby TORX® Bit Sockets
 - (3) 3/8" Drive Triple Square Drivers
 - (7) 3/8" Drive Metric Hex Bit Sockets
 - (4) 1/4" Drive Stubby Metric Hex Bit Sockets
 - (4) 3/8" Drive Stubby Metric Hex Bit Sockets



237NEXTORXST



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W3–W4

HEX BIT SOCKETS



Hex/Standard, Inches, Chrome (1/4")

Hex Size	Set Contains:			A	B	C	Bit	Optional Long Bit	Optional Long Bit Length, inches
	Hex	Standard	Optional Long Bit						
1/16	TMA2E	—	—	1-7/8	1	7/16	TMA2E2	TMAL2E2	6
5/64	TMA2.5E	GTMA2.5E	—	1-7/8	1	15/32	TMA2.5E2	TMAL2.5E2	6
3/32	TMA3E	GTMA3E	—	1-7/8	1	15/32	TMA3E2	TMAL3E2	6
7/64	TMA3.5E	—	—	1-7/8	1	15/32	TMA3.5E2	TMAL3.5E2	6
1/8	TMA4E	GTMA4E	—	1-7/8	1	15/32	TMA4E2	TMAL4E2	6
9/64	TMA4.5E	—	—	1-7/8	1	15/32	TMA4.5E2	TMAL4.5E2	6
5/32	TMA5E	GTMA5E	—	1-7/8	1	15/32	FA5E2	—	—
3/16	TMA6E	GTMA6E	—	1-15/16	1-1/16	15/32	FA6E2	—	—
7/32	TMA7E	GTMA7E	—	1-7/8	1-1/64	15/32	FA7E2	—	—
1/4	TMA8E	GTMA8E	—	1-7/8	1-1/64	15/32	FA8E2	—	—

NOTE: Optional long bits are not included in the listed sets. Sets shown include magnetic storage tray

212EFTAY 12 pc Combination Drive SAE Standard Hex Driver Bit Socket Set

- Includes 1/4" drive TMA2E–TMA3E (1/16–3/32") and 3/8" drive FA4E–FA12E (1/8–3/8") in a magnetic storage tray
- Indispensable sockets for a wide variety of applications in automotive (foreign and domestic), aviation and industrial settings
- Sockets are manufactured from special alloy steel that provides long life and great strength
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe socket clean



TMAX56E

208EFTAXSY



TMAB6E

208EFTABY

Hex/Stubby, Inches, Chrome (1/4")

Hex Size	Hex	A	B	C	D
3/32	TMAX53E	1-1/32	5/32	15/32	TMAX53E2
1/8	TMAX54E	1-1/32	5/32	15/32	TMAX54E2
9/64	TMAX54.5E	1-1/16	3/16	15/32	TMAX54.5E2
5/32	TMAX55E	1-1/16	3/16	15/32	TMAX55E2
3/16	TMAX56E	1-3/32	7/32	15/32	TMAX56E2

TMAX53E 1/4" Drive SAE 3/32" 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
- Sockets are manufactured from special alloy steel that provides long life and great strength
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe socket clean

208EFTAXSY 8 pc Combination Drive SAE Hex Bit Stubby Socket Driver Set

- Includes 1/4" drive TMAX54E–TMAX56E (1/8–3/16") and 3/8" drive FAX58E–FAX512E (1/4–3/8") in a magnetic storage tray
- Short bit length for use in limited-access spaces

Ball Hex/Standard, Inches, Chrome (1/4")

Hex Size	Hex	A	B	C	D
1/8	TMAB4E	1-7/8	1	15/32	TMAB4E2
9/64	TMAB4.5E	1-7/8	1	15/32	TMAB4.5E2
5/32	TMAB5E	1-7/8	1	15/32	FAB5E2
3/16	TMAB6E	1-15/16	1-1/16	15/32	FAB6E2

208EFTABY 8 pc Combination Drive SAE Standard Ball Hex Bit Socket Set

- Includes 1/4" drive TMAB4E–TMAB6E (1/8–3/16") and 3/8" drive FAB7E–FAB12E (7/32–3/8"), in a magnetic storage tray
- Ball end of bit makes it easier to insert bit into fastener, especially in blind access applications
- Sockets are manufactured from special alloy steel that provides long life and great strength
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe sockets clean

SPECIAL APPLICATION BITS

Mortorq®/Super Bits

#	Stock No.	A	B
MTS-4	PTMTS4SE	1-11/16	PTMTS4E2

PTMTS4SE 1/4" Drive MTS-4 Mortorq® Stubby Bit Socket

- Applications:
Connects the fuel cell to the electric motors and other systems on Hyundai® Tucson® IX Fuel Cell Vehicles

PTMTS4SE2 MTS-4 Mortorq® Bit

- Replacement bit for PTMTS4SE Mortorq® bit socket



PTMTS4SE



FLAT TIP AND PHILLIPS® TIP BIT SOCKETS

— Flat Tip/ Standard, Chrome (1/4")

	#	Stock No.	A	B	C	D
Short	1/4 x .036	TM82	55/64	19/64	15/32	TM82-2C
	3/16 x .032	TMC104E	2-29/32	2-1/32	15/32	TMC104E2A
Standard Length	1/4 x .032	TMC105E	2-15/16	2-1/16	15/32	TMC105E2A
	3/8 x .032	TMC106E	2-7/8	2	15/32	TMC106E2A



TMC104E



+ PHILLIPS®/Standard, Chrome (1/4")

	#	Stock No.	Industrial Stock No.	A	B	C	D
Short	#2	TMP21E	—	1-7/64	25/64	15/32	TMP21E2
	#2	TMP82	—	15/16	9/16	15/32	TMP82-2B
Standard Length	#1	TMP12E	GTMP12E	1-57/64	1	15/32	TMP12E2
	#2	TMP22E	—	1-57/67	1	15/32	TMP22E2
Long	#2	TMP23E	—	3-5/64	2-13/64	15/32	TMP23E2



TMP22E



GTMP12E



TMP23E



CLUTCH BIT SOCKETS

☸ Clutch/Standard, Chrome (1/4")

#	Stock No.	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



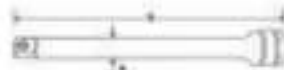
TM27E



IMPACT ACCESSORIES



103ITMX



Extensions (Impact)

- Features snap-ring anvil for excellent socket-to-extension engagement
- Designed for use with most 1/4" cordless electric and air operated impact tools

Stock No.	Finish	A	B
ITMX20	Industrial Finish	5/16	2
ITMX40	Industrial Finish	5/16	4
ITMX60	Industrial Finish	5/16	6

Set includes storage tray

Set Contains:

103ITMX



IPM80B



IPM800B



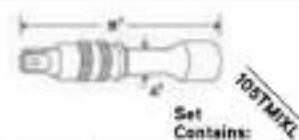
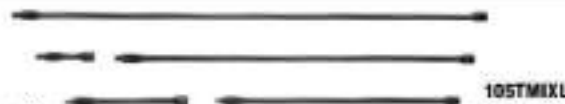
Swivel Ball Universal Joint (Impact)

Stock No.	Retention Type	A	B
IPM80B	Lock Button	5/8	1-3/8
IPM800B	Friction Ball	5/8	1-3/8



- Do not use chrome or industrial finish handtools with power drivers.
- Wear safety goggles while using impact drivers.
- Do not hold swivel joint during use.
- Wear safety goggles user and bystanders.
- Do not use power sockets or accessories with impact drivers.
- Read Safety Precautions on pages W1-W4

IMPACT ACCESSORIES



Locking Extensions (Impact)

- 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

Stock No.	A	B	
TMIXL122	11/32	11-7/8	•
TMIXL182	11/32	17-3/4	•
TMIXL242	11/32	23-3/4	•
TMIXL32	11/32	2-7/8	•
TMIXL62	11/32	5-7/8	•

Set includes storage tray

FLANK DRIVE® IMPACT SOCKETS



Shallow, mm

mm	6	A	B	C	D	E	6	6
4	IMTMM4	7.9	12.7	13.3	22.2	4.0		
4.5	IMTMM4.5	7.9	12.7	13.3	22.2	4.0		
5	IMTMM5	8.7	12.7	13.3	22.2	4.0	•	
5.5	IMTMM5.5	9.5	12.7	13.3	22.2	4.1	•	
6	IMTMM6	10.3	12.7	13.3	22.2	5.6	•	
7	IMTMM7	11.9	12.7	13.3	22.2	5.6	•	
8	IMTMM8	12.7	12.7	13.3	22.2	5.6	•	•
9	IMTMM9	14.3	14.3	13.3	22.2	5.6	•	•
10	IMTMM10	15.9	15.9	13.0	22.2	5.6	•	•
11	IMTMM11	16.7	16.7	12.7	22.2	6.4	•	•
12	IMTMM12	17.5	17.5	12.6	22.2	6.4	•	•
13	IMTMM13	19.1	19.1	12.5	22.2	7.1	•	•
14	IMTMM14	20.6	20.6	13.1	23.0	7.9	•	•
15	IMTMM15	21.4	21.4	13.7	24.6	8.7	•	•

Sets shown include magnetic storage tray
ASME/ANSI® B107.33M

Deep, mm

mm	6	A	B	C	D	E	6	6
4	SIMTMM4	7.9	12.7	41.9	50.8	4.0		
4.5	SIMTMM4.5	7.9	12.7	41.9	50.8	4.0		
5	SIMTMM5	8.7	12.7	41.9	50.8	4.0	•	
5.5	SIMTMM5.5	9.5	12.7	41.9	50.8	4.0	•	
6	SIMTMM6	10.3	12.7	41.9	50.8	5.6	•	
7	SIMTMM7	11.9	12.7	41.9	50.8	5.6	•	
8	SIMTMM8	13.5	13.5	35.3	50.8	5.6	•	
9	SIMTMM9	14.3	14.3	41.0	50.8	5.6	•	
10	SIMTMM10	15.9	15.9	37.3	50.8	5.6	•	
11	SIMTMM11	16.7	16.7	37.3	50.8	6.4	•	
12	SIMTMM12	18.3	18.3	37.2	50.8	6.4	•	
13	SIMTMM13	19.1	19.1	37.2	50.8	7.1	•	
14	SIMTMM14	20.6	20.6	37.2	50.8	7.9	•	
15	SIMTMM15	21.4	21.4	37.2	50.8	8.7	•	

Sets shown include magnetic storage tray
ASME/ANSI® B107.33M



Shallow, inches

6	6	A	B	C	D	E	6	6
1/4	IMTM8A	7/16	1/2	1/2	7/8	7/32	•	
5/16	IMTM10A	1/2	1/2	1/2	7/8	7/32	•	
3/8	IMTM12A	9/16	9/16	1/2	7/8	7/32	•	
7/16	IMTM14A	21/32	21/32	1/2	7/8	1/4	•	
1/2	IMTM16A	23/32	23/32	15/32	7/8	9/32	•	
9/16	IMTM18A	25/32	25/32	1/2	29/32	11/32	•	

Set shown includes magnetic storage tray
ASME/ANSI® B107.2

Deep, inches

6	6	A	B	C	D	E	6	6
1/4	SIMTM8	13/32	1/2	1-5/8	2	7/32	•	
5/16	SIMTM10	17/32	17/32	1-5/8	2	7/32	•	
3/8	SIMTM12	9/16	9/16	1-15/32	2	7/32	•	
7/16	SIMTM14	21/32	21/32	1-5/8	2	1/4	•	
1/2	SIMTM16	23/32	23/32	1-7/16	2	9/32	•	
9/16	SIMTM18	25/32	25/32	1-7/16	2	11/32	•	

Set shown includes magnetic storage tray
ASME/ANSI® B107.2

FLANK DRIVE® IMPACT SWIVEL SOCKETS



106IPTMMA

Shallow Swivel, mm

Set Contains:

mm	6	A	B	C	D	E	6
5.5	IPTMM5.5A	9.5	16.6	7.6	44.8	4.1	
5	IPTMM5A	8.6	16.6	7.7	44.4	4.1	
6	IPTMM6A	10.7	16.6	7.5	45.2	4.1	
7	IPTMM7A	11.5	16.6	8.5	46.4	4.3	
8	IPTMM8A	11.5	16.6	8.5	46.4	4.3	•
9	IPTMM9A	12.8	16.6	8.3	47.5	4.8	
10	IPTMM10A	14.1	16.6	10.0	48.7	5.3	•
11	IPTMM11A	15.5	16.6	10.5	49.9	5.8	
12	IPTMM12A	17.5	18.9	12.8	53.2	6.9	•
13	IPTMM13A	18.9	18.9	13.4	54.4	7.4	•
14	IPTMM14A	20.5	18.9	14.6	56.0	7.9	•
15	IPTMM15A	21.3	18.9	15.0	56.4	7.9	•

Set includes storage tray



106IPTMA

Shallow Swivel, inches

Set Contains:

in	6	A	B	C	D	E	6
1/4	IPTM8A	7/16	21/32	9/32	1-25/32	5/32	•
5/16	IPTM10A	17/32	21/32	11/32	1-7/8	5/32	•
3/8	IPTM12A	9/16	21/32	13/32	1-15/16	3/16	•
7/16	IPTM14A	21/32	24/32	7/16	2-1/32	1/4	•
1/2	IPTM16A	23/32	24/32	9/16	2-5/32	9/32	•
9/16	IPTM18A	13/16	24/32	19/32	2-7/32	5/16	•

Set includes storage tray

SPECIAL APPLICATION IMPACT SOCKETS

Shallow 10-Point, mm

1/4" Drive 10-Point Metric 10 mm Shallow Impact Socket

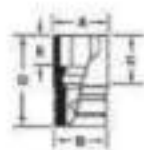
- Body: Remove/install seat tracks on Honda® Odyssey® and Pilot®
- Forged from tough alloy steel
- Heat-treated to a lower hardness to add impact resistance and ductility

DPTM10 1/4" Drive 10-Point Metric 10 mm Shallow Impact Socket

DPTM8 1/4" Drive 10-Point Metric 8 mm Shallow Impact Socket



DPTM10



POWER ACCESSORIES

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

Set Contains:

Stock No.	A	B	
TMLPA2	1/4	2	•
TMLPA4	1/4	4	•
TMLPA6	1/4	6	•

Set includes storage tray



103TMLPA



- Wear safety goggles while using impact drivers.
- Do not hold swivel joint tools during use.
- Do not use power sockets or accessories with impact drivers.
- Read Safety Precautions on pages W1-W4.

POWER ACCESSORIES



GM3042A

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



PTTX20E

TTX20E2

TORX®/Standard (Power), Industrial (1/4")

#	Stock No.	A	B	C	D
T25	PTTX20E	1-37/64	45/64	15/32	TTX20E2
T25	PTTX25E	1-37/64	45/64	15/32	TTX25E2

FLANK DRIVE® MAGNETIC SOCKETS



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 15–25% more turning power
- MGMM series sockets are not designed to be used with Impact Drivers



110MGMM

mm	6	A	B	D	E	6
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	7.8	•
14	MGMM14	20.5	20.5	23.8	6.6	•
15	MGMM15	21.3	21.3	23.8	6.6	•

Set shown includes magnetic storage tray

Set Contains:
110MGMM

FLANK DRIVE® MAGNETIC POWER SOCKETS



MGM10C

Shallow Magnetic, inches

Hex	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



MGMM57A

Deep Magnetic/ Spring Loaded, mm

mm	6	A	B	D	E
7	MGMM57A	10.7	12.4	50.8	5.8
8	MGMM58A	11.8	12.4	50.8	5.8
10	MGMM510A	14.1	14.1	50.8	6.4
11	MGMM511B	15.6	15.6	50.8	6.4
12	MGMM512B	17.3	17.3	50.8	7.1
13	MGMM513A	18.1	18.1	50.8	7.8



MGMS10A

Deep Magnetic/ Spring Loaded, inches

Hex	6	A	B	D	E
5/16	MGMS10A	3/8	15/32	2	5/16
1/4	MGMS8A	3/8	7/16	2	3/32

GENERAL FOAM SERVICE SETS

1/4" DRIVE TOOLS

General Service Foam Sets (1/4")

195GSS01FR 95 pc 1/4" Drive General Service Foam Set

195GSS02FR 95 pc 1/4" Drive Soft Grip General Service Foam Set

- Includes (81) SAE/metric shallow, semi-deep and deep sockets, (6) extensions, (1) adaptor, (1) universal joint, (3) soft grip flex-head and (3) soft grip standard ratchets in modular foam organizers
- Includes (5) individual modular foam sets that can be reconfigured in-drawer to accommodate new tools sets
- Designed for maximum tool concentration on smallest possible footprint
- Flexible and expandable as tool collection evolves
- Closed cell cross-linked foam for superior performance and durability resists oils, solvents and fuels—easy to clean
- Contrasting colors provide visual control which eliminates time searching for missing tools
- Protects your investment and increases productivity

145RTMLEFR 45 pc 1/4" Drive Dual 80° Technology Low-Profile Ratchet/Flank Drive® Socket Master Set

- Low-profile sockets, combined with an Internal Hex Drive Ratchet, work great in the tightest of areas
- Includes (26) low-profile sockets (5–13 mm, 3/16–9/16", E4–E8), (17) Stubby Bits (5 TORX® bits, (5) hex bits, (5) metric hex bits, (1) flat tip bit and (1) #2 PHILLIPS® bit, (1) low-profile ratchet and (1) low-profile magnetic bit holder
- Dual 80° Technology requires less arc to engage the next gear tooth to provide extra access in confined areas
- 72 gear teeth requires minimal movement in tight areas with eight teeth in contact with gear to provide strength and durability
- Thin handle cross section allows for greater accessibility in tight quarters and low-profile easy-action reverse lever won't get in your way
- Foam organizer provides in-drawer reconfiguration for new tools and is precision-fit for ultimate tool protection
- Contrasting colors provide visual control and closed cell cross-linked foam resists oils, solvents and fuels
- Organizer includes pockets for miscellaneous tools



195GSS01FR



195GSS02FR



145RTMLEFR

Colors Available



Red Orange Green

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

1/8" DRIVE GENERAL SERVICE SET

1605TA General Service Set

Five piece set includes:

- 1/8" drive sockets are ideal for tight clearance and low torque applications

	Stock No.	Description
3/32	T6	1/8" Drive 6-Point SAE 3/32" Socket
1/8	T8	1/8" Drive 6-Point SAE 1/8" Socket
5/32	T10	1/8" Drive 6-Point SAE 5/32" Socket
3/16	T12	1/8" Drive 6-Point SAE 3/16" Socket
—	T40A	1/8" Drive Handle



1605TA



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not use power sockets or accessories with impact drivers.
- Read Safety Precautions on pages W1-W5

GENERAL SERVICE SETS

Expandable Sets

Seven Tools Includes:

Stock No.	Description
SGT4BR**	1/4" Drive 6-13/16" Instruct® Soft Grip Standard Shank Driver
T72*	Standard Handle
TMUSB	1/4" Drive Universal Joint
TMXK2*	1/4" Drive 2" Knurled Extension
TMXK4	1/4" Drive 4" Knurled Extension
TMXK60*	1/4" Drive 6" Knurled Extension
TM10G*	1/4" Drive 6" Breaker Bar

*ASME®/ANSI® B107.10

**SGT4BR features a locking pin for better socket retention.

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 SAE or metric sizes



107ATMPB

Set (Add-on):

Suggested Additions Not Included in Set:	Stock No.	Description
	110TMY	10 pc 1/4" Drive 6-Point SAE Flank Drive® Shallow Socket Set
	110STMY	10 pc 1/4" Drive 6-Point SAE Flank Drive® Deep Socket Set
	111TMDY	11 pc 1/4" Drive 12-Point Metric Flank Drive® Shallow Socket Set
	111STMDY	11 pc 1/4" Drive 12-Point Metric Flank Drive® Deep Socket Set
	106ETMAMY	6 pc 1/4" Drive Metric Standard Hex Bit Socket Set



131TMPB

131TMPB 31 pc 1/4" Drive 6-Point Metric Shallow General Service Socket Set

31 Tools, Includes:

mm	6-Point Shallow Sockets	6-Point Deep Sockets
4	TMM4*	
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

ASME® B107.5m

*Conventional hex

Also Includes	Stock No.	Description
	TMXK60**	1/4" Drive 6" Knurled Extension
	TMXK2**	1/4" Drive 2" Knurled Extension
	T72**	Standard Handle
	TM10G**	1/4" Drive 6" Breaker Bar
	TMUSB	1/4" Drive Universal Joint
	SSDMR4B	8-3/4" Ratcheting Standard Screwdriver
	GMB3041***	1/4" Drive 1" Long 1/4" Hex-To-1/4" Square Adaptor

ASME®/ANSI® B107.5

***Insert Bit Style, non-impact



117TMM

117TMM 17 pc 1/4" Drive 6-Point Metric 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

ASME® B107.5m

*Conventional hex

Also Includes	Stock No.	Description
	T72**	Standard Handle
	TMUSB	1/4" Drive Universal Joint
	TMXK2**	1/4" Drive 2" Knurled Extension
	TMXK4	1/4" Drive 4" Knurled Extension

**ASME®/ANSI® B107.5

Colors Available



* ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

GENERAL SERVICE SETS



144TMBFR 44 pc 1/4" Drive 6-Point Metric/SAE General Service Foam Set

144TMBFR

mm	6-Point Shallow Sockets	SAE	6-Point Shallow Sockets	mm	6-Point Deep Sockets	SAE	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

ASME® B1071
*Conventional hex

Also Includes	Stock No.	Description
	T72**	Standard Handle
	TMU8B	1/4" Drive 1-1/8" Friction Ball Universal Joint
	TMXX2**	1/4" Drive 2" Knurled Extension
	TMXX60**	1/4" Drive 6" Knurled Extension

**ASME®ANSI® B107.10



144YTMBFR 44 pc 1/4" Drive 6-Point Metric/SAE Flank Drive® Xtra General Service Foam Set

144YTMBFR

44 Tools, Includes:

mm	6-Point Shallow Sockets	SAE	6-Point Shallow Sockets	mm	6-Point Deep Sockets	SAE	6-Point Deep Sockets
5.5	YTMM5.5	3/16	YTM6	5.5	YSTMM5.5	3/16	YSTM6
6	YTMM6	7/32	YTM7	6	YSTMM6	7/32	YSTM7
7	YTMM7	1/4	YTM8	7	YSTMM7	1/4	YSTM8
8	YTMM8	9/32	YTM9	8	YSTMM8	9/32	YSTM9
9	YTMM9	5/16	YTM10	9	YSTMM9	5/16	YSTM10
10	YTMM10	11/32	YTM11	10	YSTMM10	11/32	YSTM11
11	YTMM11	3/8	YTM12	11	YSTMM11	3/8	YSTM12
12	YTMM12	7/16	YTM14	12	YSTMM12	7/16	YSTM14
13	YTMM13	1/2	YTM16	13	YSTMM13	1/2	YSTM16
14	YTMM14	9/16	YTM18	14	YSTMM14	9/16	YSTM18

Also Includes	Stock No.	Description
	T72**	Standard Handle
	TMU8B	1/4" Drive 1-1/8" Friction Ball Universal Joint
	TMXX2**	1/4" Drive 2" Knurled Extension
	TMXX60**	1/4" Drive 6" Knurled Extension

**ASME®ANSI® B107.10



- Do not use "cheater bars" on handles. Pull, do not push on handle.
- Do not insert sealed ratchet in fluids.
- Do not replace worn parts individually; use entire contents of the service kit.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not use screwdrivers as prybars, chisels or punches.
- Read Safety Precautions on pages W1-W3



GENERAL SERVICE SETS



134ATMP

134ATMP 34 pc 1/4" Drive 6-Point SAE Shallow/Deep General Service Socket 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

ASME[®] B107.1

*Conventional hex

Also Includes	Stock No.	Description
	T72**	Standard Handle
	TMUBB	1/4" Drive 1-1/8" Friction Ball Universal Joint
	TMXK2**	1/4" Drive 2" Knurled Extension
	TMXK4	1/4" Drive 4" Knurled Extension
	TMXK60**	1/4" Drive 6" Knurled Extension
	SGT4BR***	1/4" Drive 6-13/16" Instinct [®] Soft-Grip Standard Shark Driver
	TM10G**	1/4" Drive 6" Breaker Bar
	TM61A**	1/4" Drive 6" Flexible Extension
	TM77**	1/4" Drive 20-Tooth Ratchet Adaptor
	TM82	1/4" Drive 1/4" Flat Tip Short Bit Socket
	TM408	1/4" Drive 8-Point 1/4" Double Square Socket
	TM410	1/4" Drive 8-Point 5/16" Double Square Socket
	TM412	1/4" Drive 8-Point 3/8" Double Square Socket
	TM570A**	1/4" Drive Spinner Ratchet

**ASME[®]/ANSI[®] B107.10


***SGTL4B features a locking pin for better socket retention.



114ATMP

114ATMP 14 pc 1/4" Drive 6-Point SAE Shallow General Service Socket Set

14 Tools, Includes:

	Stock No.
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

ASME[®] B107.1

*Conventional hex

Also Includes	Stock No.	Description
	T72**	Standard Handle
	TMUBB	1/4" Drive 1-1/8" Friction Ball Universal Joint
	TMXK2**	1/4" Drive 2" Knurled Extension
	TMXK4	1/4" Drive 4" Knurled Extension


**ASME[®]/ANSI[®] B107.10

GENERAL SERVICE SETS



120DTMPB

120DTMPB 20 pc 1/4" Drive 6-Point SAE Shallow General Service Socket Set 20 Tools, Includes:

 Stock No.	Stock No.
3/16	TM6*
7/32	TM7*
1/4	TM8
9/32	TM9
5/16	TM10
11/32	TM11
3/8	TM12
7/8	TM14
1/2	TM16
9/16	TM18

ASME[®] B107.1
*Conventional hex

Also includes	Stock No.	Description
	TM4C5A	1/4" Drive 6" Standard Shank Driver
	TM10G**	1/4" Drive 6" Breaker Bar
	TM400	1/4" Drive 8-Point 1/4" Double Square Socket
	TM410	1/4" Drive 8-Point 5/16" Double Square Socket
	TM412	1/4" Drive 8-Point 3/8" Double Square Socket
	T72**	Standard Handle
	TMU8B	1/4" Drive 1-1/8" Friction Ball Universal Joint
	TMXK2**	1/4" Drive 2" Knurled Extension
	TMXK4**	1/4" Drive 4" Knurled Extension
	TMXK60**	1/4" Drive 6" Knurled Extension

**ASME[®]/ANSI[®] B107.10

RATCHETS, HANDLES AND ACCESSORIES (Blue-Point[®])



BPRTR936



BPRTR936SG



Quick-Release Ratchets (Blue-Point[®]) (1/4")

Stock No.	Description	Gear Teeth	Gear Action	A	B	C	Ratchet Service Kit
BPRTR936	1/4" Drive Standard Handle Quick-Release Ratchet (Blue-Point [®])	36	10°	15/32	31/32	5-5/8	RKRBPRTR936
BPRTR936SG	1/4" Drive Soft Grip Handle Quick-Release Ratchet (Blue-Point [®])	36	10°	15/32	31/32	5-5/8	RKRBPRTR936

Set includes storage tray

BPR703 3 pc Standard Handle Quick-Release Ratchet Set (Blue-Point[®])

- Includes 1/4" Drive BPRTR936, 3/8" Drive BPRFR938 and 1/2" Drive BPRSR940 Ratchets (3 pc) in a storage tray
- Features 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
- All ratchets in series meet or exceed ANSI[®] B107-10M-1996 specifications

BPRTR936SG 1/4" Drive Soft Grip Handle Quick-Release Ratchet (Blue-Point[®])

- Quick-release button for rapid socket/accessory changes, even with greasy or oily hands
- Corrosion-resistant bi-mold cushion grips for improved comfort and performance

- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not use "cheater bars" on handles. PCL do not push on handles.
- Do not immerse sealed ratchet in fluids.
- Frequently inspect, clean, and lubricate all nonsealed ratchet mechanisms with light oil.
- Do not replace worn parts individually; use entire contents of the service kit.
- Wear safety goggles/eye and hand protection.
- Read Safety Precautions on pages W1-W4



RATCHETS, HANDLES AND ACCESSORIES (Blue-Point®)



Ratchet Spinners (Blue-Point®) (1/4")

Stock No.	Square Drive, inches	Description	A	B
FSDR ¹	1/4 Male to 1/4 Female	1/4" External Drive/1/4" Internal Square Drive Finger Ratchet (Blue-Point®)	1-1/8	1-7/16
FSD14 ²	3/8 Male to 1/4 Female	3/8" Drive Male to 1/4" Drive Female Spinner Adaptor (Blue-Point®)	1	1-1/2
FSD38 ¹	1/4 Male to 3/8 Female	1/4" Drive Male to 3/8" Drive Female Spinner Adaptor (Blue-Point®)	1	1-1/2
FSDR1 ^{**}	3/8 Male to 1/4 Female	3/8" External Drive/1/4" Internal Square Drive Finger Ratchet (Blue-Point®)	1-1/8	1-7/16
BLP5D14	3/8 Male to 1/4 Female	3 pc Spinner Adaptor Set (Blue-Point®)	7/8	27/32

¹ASME[®]/ANSI[®] B107.10

FSD3KT³ 3 pc Spinner Adaptor Set (Blue-Point®)

- 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)
- ### FSDR² 1/4" External Drive/1/4" Internal Square Drive Finger Ratchet (Blue-Point®)
- 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



Breaker Bars (Blue-Point®) (1/4")

Stock No.	Description	A	B	C
BLPBB146	1/4" Drive 6" Breaker Bar	5/8	6	3/8



BLPCGHD146

Handled Drivers (Blue-Point®)

Stock No.	Length, inches	Blade Length, inches (mm)	Shank Dia., inches	Square Drive, inches
BLPCGHD146	6	2-1/2 (64)	5/16	1/4



BLPTXK1.5

Knurled Extensions (Blue-Point®)

Stock No.	B
BLPTXK1.5	1-9/16
BLPTXK2	2-3/32
BLPTXK3	2-15/16
BLPTXK4	4
BLPTXK6	6



Flexible Extensions (Blue-Point®)

Stock No.	A	B	C
BLPEXTF146	5/16	3-5/8 (92)	6



103TMXLBP

Locking Extensions, Chrome (Blue-Point®)

Stock No.	B	Set Contains:
TMXLBP4	4	•
TMXLBP6	6	•
TMXLBP10	10	•

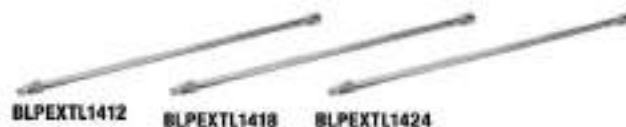
Set includes storage tray



103TMXLBP

Extra-Long Locking Extensions (Blue-Point®) 1/4" Drive 12" Extra-Long Locking Extension (Blue-Point®)

- Smooth, durable chrome finish
- Made from tough 6130 steel
- Secure socket retention
- Do not use with power or impact tools



BLPEXTL1412 BLPEXTL1418 BLPEXTL1424

Stock No.	Length, inches	Square Drive, inches
BLPEXTL1412	12	1/4
BLPEXTL1418	18	1/4
BLPEXTL1424	24	1/4

RATCHETS, HANDLES AND ACCESSORIES (Blue-Point®)



Set Screw Locking Extensions (Blue-Point®)

Stock No.	Finish	A	B
YA515A	Chrome	1/2	1-11/16

YA515A 1/4" Drive 1-11/16" Set Screw Locking Extension (Blue-Point®)

- 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



Turbo T-Handle Speed Drivers (Blue-Point®)

Stock No.	Description	Handle Type
T9TURBO	1/4" Square Drive	Turbo T-Handle
TH10TURBO	1/4" Hex	Turbo T-Handle

TURBOT103 3 pc 1/4" Drive Turbo T-Handle Set (Blue-Point®)

- T9TURBO (1/4" drive), TH10TURBO (1/4" hex) and F11TURBO (3/8" drive)



Universal Joints, Chrome (Blue-Point®)

Stock No.	A	B
BLPUJ14	5/8	1-1/2



Square Drive Adaptors (Blue-Point®)

Stock No.	Description	A	B
BLPAFM3814	3/8" Drive Square Drive Adaptor (Blue-Point®)	3/8	1/4
BLPAFM1438	1/4" Drive Square Drive Adaptor (Blue-Point®)	1/4	3/8



Shallow, mm, Chrome (Blue-Point®)

mm	6	A	B	C
4	BLPSM144	24.8	11.9	6.6
4.5	BLPSM144.5	24.8	11.9	7.4
5	BLPSM145	24.8	11.9	8.1
5.5	BLPSM145.5	24.8	11.9	8.7
6	BLPSM146	24.8	11.9	9.3
7	BLPSM147	24.8	11.9	10.8
8	BLPSM148	24.8	11.9	11.9
9	BLPSM149	24.8	13.3	13.3
10	BLPSM1410	24.8	14.5	14.5
11	BLPSM1411	24.8	15.9	15.9
12	BLPSM1412	24.8	16.9	16.9
13	BLPSM1413	24.8	18	18
14	BLPSM1414	24.8	19.6	19.6



Shallow, Inches, Chrome (Blue-Point®)

in	6	A	B	C
3/16	BLPS14316	31/32	15/32	5/16
7/32	BLPS14732	31/32	15/32	23/64
1/4	BLPS1414	31/32	15/32	3/8
9/32	BLPS14932	31/32	15/32	7/16
5/16	BLPS14516	31/32	15/32	15/32
11/32	BLPS141132	31/32	1/2	33/64
3/8	BLPS1438	31/32	9/16	9/16
7/16	BLPS14716	31/32	5/8	5/8
1/2	BLPS1412	31/32	11/16	11/16
9/16	BLPS14916	31/32	3/4	3/4
5/8	BLPS1458	31/32	55/64	55/64



- Do not use "cheater bars" on handles.
- Pull, do not push on handle.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

SOCKETS (Blue-Point®)



BLPLSM145

BLPLSM1412



BLPLS1414

BLPLS1412

Deep, mm, Chrome (Blue-Point®)

mm	6	A	B	C
4	BLPLSM144	50	11.9	6.6
5	BLPLSM145	50	11.9	8.1
6	BLPLSM146	50	11.9	9.3
7	BLPLSM147	50	11.9	10.8
8	BLPLSM148	50	11.9	11.9
9	BLPLSM149	50	13.3	13.3
10	BLPLSM1410	50	14.5	14.5
11	BLPLSM1411	50	15.9	15.9
12	BLPLSM1412	50	16.9	16.9
13	BLPLSM1413	50	18	18
14	BLPLSM1414	50	19.6	19.6

Deep, Inches, Chrome (Blue-Point®)

II	6	A	B	C
3/16	BLPLS14316	1-43/64	15/32	5/16
7/32	BLPLS14732	1-43/64	15/32	23/64
1/4	BLPLS1414	1-43/64	15/32	3/8
9/32	BLPLS14932	1-43/64	15/32	7/16
5/16	BLPLS14516	1-43/64	15/32	15/32
11/32	BLPLS141132	1-43/64	1/2	33/64
3/8	BLPLS1438	1-43/64	9/16	9/16
7/16	BLPLS14716	1-43/64	5/8	5/8
1/2	BLPLS1412	1-43/64	11/16	11/16
5/8	BLPLS1458	1-31/32	55/64	55/64
9/16	BLPLS14916	1-43/64	3/4	3/4

8-Point, Inches, Chrome (Blue-Point®)



BLPS81414

II	Stock No.	A	B	C
1/4	BLPS81414	31/32	15/32	15/32
3/8	BLPS81438	31/32	5/8	5/8
5/16	BLPS814516	31/32	9/16	9/16



Twist Impact, inches/mm

• Removes slotted and Phillips® screws as well as nuts, bolts that are too tight for traditional screwdrivers



TSTY70

#	Stock No.	A	B	C	
4.50 mm	TSTY45	0.29 (7.4)	0.50 (12.7)	1 (25.4)	•
4.75 mm (3/16")	TSTY47	0.31 (7.9)	0.50 (12.7)	1 (25.4)	•
5.00 mm	TSTY50	0.32 (8.1)	0.50 (12.7)	1 (25.4)	•
5.25 mm	TSTY52	0.33 (8.4)	0.50 (12.7)	1 (25.4)	•
5.50 mm	TSTY55	0.34 (8.6)	0.50 (12.7)	1 (25.4)	•
5.75 mm	TSTY57	0.35 (8.9)	0.50 (12.7)	1 (25.4)	•
6.00 mm	TSTY60	0.37 (9.4)	0.50 (12.7)	1 (25.4)	•
6.25 mm (1/4")	TSTY62	0.38 (9.7)	0.50 (12.7)	1 (25.4)	•
6.50 mm	TSTY65	0.39 (9.9)	0.50 (12.7)	1 (25.4)	•
6.75 mm	TSTY67	0.40 (10.2)	0.50 (12.7)	1 (25.4)	•
7.00 mm	TSTY70	0.41 (10.4)	0.50 (12.7)	1 (25.4)	•
7.25 mm (9/32")	TSTY72	0.42 (10.7)	0.50 (12.7)	1 (25.4)	•
7.50 mm	TSTY75	0.44 (11.2)	0.50 (12.7)	1 (25.4)	•
7.75 mm	TSTY77	0.45 (11.5)	0.50 (12.7)	1 (25.4)	•
8.00 mm (5/16")	TSTY80	0.47 (11.8)	0.50 (12.7)	1 (25.4)	•
8.25 mm	TSTY82	0.48 (12.2)	0.50 (12.7)	1 (25.4)	•
8.50 mm	TSTY85	0.49 (12.6)	0.50 (12.7)	1 (25.4)	•
8.75 mm (11/32")	TSTY87	0.51 (12.9)	0.50 (12.7)	1 (25.4)	•
9.00 mm	TSTY90	0.52 (13.2)	0.50 (12.7)	1 (25.4)	•
9.25 mm	TSTY92	0.54 (13.6)	0.50 (12.7)	1 (25.4)	•
9.50 mm (3/8")	TSTY95	0.55 (14.0)	0.50 (12.7)	1 (25.4)	•
10.00 mm	TSTY100	0.57 (14.5)	0.50 (12.7)	1 (25.4)	•

Includes socket rail and clips

TORX® SOCKETS (Blue-Point®)

TORX®/External, Chrome (Blue-Point®)

#	Stock No.	A	B	C
E4	BLPTE144	1	15/32	7/32
E5	BLPTE145	1	15/32	17/64
E6	BLPTE146	1	15/32	5/16
E7	BLPTE147	1	15/32	21/34
E8	BLPTE148	1	15/32	3/8



BLPTE144

TORX® BIT SOCKETS (Blue-Point®)

TORX®/Standard (Blue-Point®)



BLPT1410

#	Stock No.	A	B	C
T6	BLPT146	1-13/32	15/32	7/16
T7	BLPT147	1-13/32	15/32	7/16
T8	BLPT148	1-13/32	15/32	7/16
T9	BLPT149	1-13/32	15/32	7/16
T10	BLPT1410	1-13/32	15/32	7/16
T15	BLPT1415	1-13/32	15/32	7/16
T20	BLPT1420	1-13/32	15/32	7/16
T25	BLPT1425	1-13/32	15/32	7/16
T27	BLPT1427	1-13/32	15/32	7/16
T30	BLPT1430	1-13/32	15/32	7/16

TORX®/Long (Blue-Point®)



BLPTL1410

#	Stock No.	A	B	C
T6	BLPTL146	3-15/16	15/32	7/16
T7	BLPTL147	3-15/16	15/32	7/16
T8	BLPTL148	3-15/16	15/32	7/16
T9	BLPTL149	3-15/16	15/32	7/16
T10	BLPTL1410	3-15/16	15/32	7/16
T15	BLPTL1415	3-15/16	15/32	7/16
T20	BLPTL1420	3-15/16	15/32	7/16
T25	BLPTL1425	3-15/16	15/32	7/16
T27	BLPTL1427	3-15/16	15/32	7/16
T30	BLPTL1430	3-15/16	15/32	7/16



BLPTORX1410



BLPTS1410TP

★ TORX®/Stubby, Chrome (Blue-Point®) (1/4")

Set Contains:

#	Stock No.	A	
T10	BLPTS1410	3/4 (18)	•
T15	BLPTS1415	3/4 (18)	•
T20	BLPTS1420	3/4 (18)	•
T25	BLPTS1425	3/4 (18)	•
T27	BLPTS1427	3/4 (18)	•
T30	BLPTS1430	3/4 (18)	•
T40	BLPTS1440	3/4 (18)	•
T45	BLPTS1445	3/4 (18)	•
T47*	BLPTS1447	3/4 (18)	•
T50	BLPTS1450	3/4 (18)	•

*T47 is not a TORX® licensed product.

★ TORX®/Tamper-Resistant, Stubby (Blue-Point®) (1/4")

#	Stock No.	A
TP5	BLPTS148TP	3/4 (19)
TP10	BLPTS1410TP	3/4 (19)
TP15	BLPTS1415TP	3/4 (19)
TP20	BLPTS1420TP	3/4 (19)
TP25	BLPTS1425TP	3/4 (19)
TP27	BLPTS1427TP	3/4 (19)
TP30	BLPTS1430TP	3/4 (19)
TP40	BLPTS1440TP	3/4 (19)
TP45	BLPTS1445TP	3/4 (19)
TP50	BLPTS1450TP	3/4 (19)

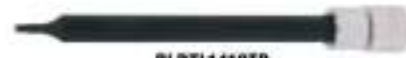


- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4.

TORX® BIT SOCKETS (Blue-Point®)



BLPT1410TP



BLPTL1410TP



★ TORX®/Tamper-Resistant, Standard (Blue-Point®) (1/4")

#	Stock No.	A	B	C
T6	BLPT146TP	1-13/32	15/32	7/16
T7	BLPT147TP	1-13/32	15/32	7/16
T8	BLPT148TP	1-13/32	15/32	7/16
T9	BLPT149TP	1-13/32	15/32	7/16
T10	BLPT1410TP	1-13/32	15/32	7/16
T11	BLPT1440TP	1-13/32	15/32	7/16
T15	BLPT1415TP	1-13/32	15/32	7/16
T20	BLPT1420TP	1-13/32	15/32	7/16
T25	BLPT1425TP	1-13/32	15/32	7/16
T27	BLPT1427TP	1-13/32	15/32	7/16
T30	BLPT1430TP	1-13/32	15/32	7/16

★ TORX®/Tamper-Resistant, Long, Chrome (Blue-Point®) (1/4")

#	Stock No.	A	B	C
T6	BLPTL146TP	3-15/16	15/32	7/16
T7	BLPTL147TP	3-15/16	15/32	7/16
T8	BLPTL148TP	3-15/16	15/32	7/16
T9	BLPTL149TP	3-15/16	15/32	7/16
T10	BLPTL1410TP	3-15/16	15/32	7/16
T15	BLPTL1415TP	3-15/16	15/32	7/16
T20	BLPTL1420TP	3-15/16	15/32	7/16
T25	BLPTL1425TP	3-15/16	15/32	7/16
T27	BLPTL1427TP	3-15/16	15/32	7/16
T30	BLPTL1430TP	3-15/16	15/32	7/16

METRIC HEX BIT SOCKETS (Blue-Point®)



BLPHEXS1418

Hex/Stubby, mm, Chrome (Blue-Point®) (1/4")

mm		Length, mm
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 18 pc 1/4" Drive SAE/Metric Stubby Hex Bit Socket Set (Blue-Point®)

- Includes (9) SAE Stubby Hex Bit Sockets (3/32–3/8") and (9) Metric Stubby Hex Bit Sockets (2–10 mm)
- Includes storage tray



BLPH124



Hex/Standard, mm, Chrome (Blue-Point®) (1/4")

mm		A	B	C
2.5	BLPH1425	36	12	11
3	BLPH123	36	12	11
4	BLPH124	36	12	11
5	BLPH125	36	12	11
6	BLPH126	36	12	11
7	BLPH127	36	12	12
8	BLPH128	36	12	12



BLPHL144



Hex/Long, mm (Blue-Point®)

mm		A	B	C
4	BLPHL144	100	12	11
5	BLPHL145	100	12	11
6	BLPHL146	100	12	11

HEX BIT SOCKETS (Blue-Point®)



BLPH1414



Hex/Standard, Inches,
Chrome (Blue-Point®) (1/4")

Hex Size	Stock No.	A	B	C
1/8	BLPH1418	1-13/32	15/32	7/16
9/64	BLPH14964	1-13/32	15/32	7/16
5/32	BLPH14532	1-13/32	15/32	7/16
3/16	BLPH14316	1-13/32	15/32	7/16
7/32	BLPH14732	1-13/32	15/32	7/16
1/4	BLPH1414	1-13/32	15/32	7/16
5/16	BLPH14516	1-13/32	15/32	15/32



BLPHS1414



Hex/Stubby, Inches,
Chrome (Blue-Point®) (1/4")

Hex Size	Stock No.	Length, inches (mm)
5/64	BLPHS14564	3/4 (19)
3/32	BLPHS14332	3/4 (19)
7/64	BLPHS14764	3/4 (19)
1/8	BLPHS1418	3/4 (19)
5/32	BLPHS14532	3/4 (19)
3/16	BLPHS14316	3/4 (19)
7/32	BLPHS14732	3/4 (19)
1/4	BLPHS1414	3/4 (19)
5/16	BLPHS14516	3/4 (19)
3/8	BLPHS1438	3/4 (19)



BLPHL14532



Hex/Long, inches (Blue-Point®)

Hex Size	Stock No.	A	B	C
1/8	BLPHL1418	3-15/16	15/32	7/16
3/16	BLPHL14316	3-15/16	15/32	7/16
5/32	BLPHL14532	3-15/16	15/32	7/16

TRIPLE SQUARE BIT SOCKETS (Blue-Point®)

● Triple Square/Stubby, XZN, Chrome (Blue-Point®) (1/4")

mm	Stock No.	Dimension A, Length, inches
4	BLPXZN144	1-1/16
5	BLPXZN145	1-1/16
6	BLPXZN146	1-1/16
8	BLPXZN148	1-1/16
10	BLPXZN1410	1-1/16
12	BLPXZN1412	1-1/16



BLPXZN146



POZIDRIV® BIT SOCKETS (Blue-Point®)

Pozidriv®/Standard, Chrome (Blue-Point®) (1/4")

BLPPD140 1/4" Drive Pozidriv® #0 Standard Socket Driver (Blue-Point®)

- Manufactured from high-grade steel alloy
- Features a lifetime warranty and exceeds ANSI® standards
- All Blue-Point® socket drivers are fully warranted; no need to replace bits

Size	Stock No.	A	B	C
#0	BLPPD140	1-13/32	15/32	7/16
#1	BLPPD141	1-13/32	15/32	7/16
#2	BLPPD142	1-13/32	15/32	7/16
#3	BLPPD143	1-13/32	15/32	7/16



BLPPD140



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4

FLAT TIP BIT SOCKETS (Blue-Point®)



— Flat Tip/ Standard, Chrome (Blue-Point®) (1/4")

			Stock No.	A	B	C
Short	1/4	—	BLPFS1414	3/4"	—	—
	3/8	—	BLPFS1438	3/4"	—	—
Standard Length	5/32	—	BLPFT14532	1-13/32"	15/32"	7/16"
	7/32	—	BLPFT14732	1-13/32"	15/32"	7/16"
	9/32	—	BLPFT14932	1-13/32"	15/32"	7/16"
	—	4	BLPFT144	1-13/32"	12 mm	11 mm
	—	5.5	BLPFT145.5	1-13/32"	12 mm	11 mm
	—	6.5	BLPFT146.5	1-13/32"	12 mm	11 mm
—	7	BLPFT147	1-13/32"	12 mm	12 mm	

PHILLIPS® TIP BIT SOCKETS



+ PHILLIPS®/Standard, Chrome (Blue-Point®) (1/4")

		Stock No.	A	B	C
Stubby	#1	BLPPS141	3/4	—	—
	#2	BLPPS142	3/4	—	—
Standard Length	#0	BLPP140	1-13/32	15/32	7/16
	#1	BLPP141	1-13/32	15/32	7/16
	#2	BLPP142	1-13/32	15/32	7/16
	#0	BLPP143	1-13/32	15/32	7/16

HEX BIT SOCKETS



BLPTHS1414

Hex/Stubby, Tamper-Resistant, SAE, Chrome (Blue-Point®) (1/4")

- All drivers have a hole in the driver tip for tamper proof hex fasteners
- Stubby one-piece impact quality drivers
- Satin chrome plated with bold marking for easy identification
- Heavy-gauge vacuum-formed plastic tray
- All stubby hex drivers are 3/4" long with 1/4" square drive
- S2 alloy steel—the strongest, hardest drivers available
- Heat treated to 58-62 RC
- Limited lifetime warranty

1/4	BLPTHS1414
1/8	BLPTHS1418
3/16	BLPTHS14316
3/32	BLPTHS14332
3/8	BLPTHS1438
5/16	BLPTHS14516
7/32	BLPTHS14732
7/64	BLPTHS14764



BLPTHSM1410

Hex/Stubby, Tamper-Resistant, mm, Chrome (Blue-Point®) (1/4")

- All drivers have a hole in the driver tip for tamper-proof hex fasteners
- Stubby one-piece impact quality drivers
- Satin chrome plated with bold marking for easy identification
- Heavy-gauge vacuum-formed plastic tray
- All stubby hex drivers are 3/4" long with 1/4" square drive
- S2 alloy steel—the strongest, hardest drivers available
- Heat treated to 58-62 RC
- Limited lifetime warranty

	Stock No.
2	BLPTHSM142
2.5	BLPTHSM1425
3	BLPTHSM143
6	BLPTHSM148
10	BLPTHSM1410

COMBINATION BIT SOCKET SETS (Blue-Point®)

Combination Bit Socket Sets (Blue-Point®)

BLPBSS40 40 pc 1/4" Drive Stubby Bit Socket Set (Blue-Point®)

- 1/4" drive components include: (10) Metric Bit Sockets (2–10 mm); (10) SAE Bit Sockets (5/64–3/8"); (10) TORX® Tamper-Resistant Bit Sockets (TP8–TP50); (6) XZN Triple Square Bit Sockets (XZN4–XZN12) (2) PHILLIPS® Bit Sockets (#1 and #2) and (2) Flat Tip Bit Sockets (1/4 and 3/8")
- Includes storage case



BLPBSS40

BLPHSSC30 30 pc Combination Drive Hex Bit Socket Set (Blue-Point®)

- 1/4" drive components include (6) SAE Hex Bit Sockets (1/8–1/4") and (5) Metric Hex Bit Sockets (2.5–6 mm)
- 3/8" drive components include (5) SAE Hex Bit Sockets (7/32–7/16") and (5) Metric Hex Bit Sockets (6–10 mm)
- 1/2" drive components include (4) SAE Hex Bit Sockets (1/2–3/4") and (5) Metric Hex Bit Sockets (10–19 mm)
- Includes storage case



BLPHSSC30

BLPTSSC43 43 pc Combination Drive TORX® Socket and TORX® Bit Socket Set (Blue-Point®)

- 1/4" drive components include (5) External Sockets (E4–E8), (10) Tamper-Resistant TORX® Bit Sockets (T6–T30) and (10) Tamper-Resistant TORX® Long Bit Sockets (T6–T30)
- 3/8" drive components include: (4) External TORX® Sockets (E10–E16), (3) Tamper-Resistant TORX® Bit Sockets (T40, T45 and T50) and (3) Tamper-Resistant TORX® Long Bit Sockets (T40, T45 and T50)
- 1/2" drive components include: (4) External TORX® Sockets (E18–E24), (2) Tamper-Resistant TORX® Bit Sockets (T55 and T60) and (2) Tamper-Resistant TORX® Long Bit Sockets (T55 and T60)
- Includes storage case



BLPTSSC43

BLPTHCB7 87 pc TORX® and Hex Bit Socket Set (Blue-Point®)

- 1/4" drive components include (5) External TORX® Sockets (E4–E8), (10) TORX® Bit Sockets (T6–T30), (10) Long TORX® Bit Sockets (T6–T30), (5) Metric Hex Bit Sockets (2.5–6 mm), (3) Long Metric Hex Bit Sockets (4–6 mm), (6) Hex Bit Sockets (1/8–1/4") and (3) Long Hex Bit Sockets (1/8–3/16")
- 3/8" drive components include (4) External TORX® Sockets (E10–E16), (3) TORX® Bit Sockets (T40–T50), (3) Long TORX® Bit Sockets (T40–T50), (5) Metric Hex Bit Sockets (6–10 mm), (4) Long Metric Hex Bit Sockets (7–10 mm), (4) Hex Bit Sockets (7/32–3/8") and (4) Long Hex Bit Sockets (7/32–3/8")
- 1/2" drive components include (4) External TORX® Sockets (E18–E24), (2) TORX® Bit Sockets (T55, T60), (2) Long TORX® Bit Sockets (T55, T60), (5) Metric Hex Bit Sockets (10–19 mm) and (5) Hex Bit Sockets (7/16–3/4")
- Includes storage case



BLPTHCB7



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages 31–34.

GENERAL SERVICE SETS (Blue-Point®)



BLPBTWKIT

General Service Sets (Blue-Point®)

BLPBTWKIT 25 pc 1/4" Drive Socket/Bit Ratchet Set (Blue-Point®)

- Includes: (10) Metric Shallow Sockets (4–13 mm), (13) assorted Insert Bits, (1) 4" Extension and (1) 6" Ratcheting Bit Driver
- Great set for use on the road or at home, utilizing bits and sockets for the most common fastener applications
- Multifunction ratcheting tool drives both 1/4" sockets and 1/4" insert bits without need to utilize adaptors
- Push-button release holds sockets securely in place
- Low-profile, easy-action reverse lever won't get in the way
- 10° offset box head provides knuckle clearance
- Tough, durable nickel-chrome looks great and cleans up easily
- Compact storage case with foam insert securely holds tools in place and stores great in tight places like glove boxes, saddlebags, etc.



BLPGSS1427

BLPGSS1427 27 pc 1/4" Drive SAE General Service Set (Blue-Point®)

- Includes (11) SAE (3/16"–5/8") 6-point Shallow Sockets; (11) SAE (3/16–9/16") 6-point Deep Sockets; (3) ratchet/socket accessories; (1) quick-release ratchet; (1) spinner handle in a storage case
- Great for use at home or on the road
- Offers a full range of deep and shallow sockets for the most common fastener applications
- Smallest and most compact general service set offered
- Ratchet and handle driver both available for a variety of jobs
- Compact case fits in shallow Snap-on® toolbox drawer
- Quick-Release Ratchet
- Spinner Handle
- BLPGSS1427PB storage case



BLPGSSM1427

BLPGSSM1427 27 pc 1/4" Drive Metric General Service Set (Blue-Point®)

- Includes (11) 6-Point Metric Shallow Sockets (4–14 mm), (11) 6-point Metric Deep Sockets (4–14 mm), (3) ratchet/socket accessories, (1) quick-release ratchet and (1) spinner handle in a BLPGSSM1427PB storage case
- Great for use at home or on the road
- Offers a full range of deep and shallow sockets for the most common fastener applications
- Smallest and most compact general service set offered
- Ratchet and handle driver both available for a variety of jobs
- Compact case fits in shallow Snap-on® toolbox drawer



BLPGSS1438

BLPGSS1438 38 pc 1/4" Drive SAE/Metric General Service Socket Set (Blue-Point®)

- Includes (11) SAE (3/16–5/8") (11) Metric (4–14 mm) 6-point Shallow Sockets, (4) SAE Hex Bit Sockets (9/64, 3/16, 7/32 and 1/4"), (3) Flat Tip Bit Sockets (5/32, 3/16 and 1/4"), (2) PHILLIPS® Tip Bit Sockets (#1 and #2), (5) ratchet/socket accessories, (1) quick-release ratchet and (1) spinner handle in a storage case

GENERAL SERVICE SETS (Blue-Point®)

1/4" DRIVE TOOLS

General Service Sets (Blue-Point®)

BLPGSS1451A 51 pc 1/4" Drive SAE/Metric General Service Socket Set (Blue-Point®)

- Includes (10) SAE (3/16–9/16"), (13) Metric (4–14 mm) standard sockets, (3) SAE (1/4, 5/16 and 3/8") 6-point Sockets, (6) TORX® Bit Sockets (T8–T27), (6) SAE Hex Bit Sockets (1/8–5/16"), (3) Flat Tip Bit Sockets (5/32, 7/32 and 9/32"), (3) PHILLIPS® Bit Sockets (#0, #1 and #2), (6) ratchet/socket accessories and ratchet in a storage case



BLPGSS1451A

BLPGSS1462 62 pc 1/4" Drive SAE/Metric General Service Set (Blue-Point®)

- Small and compact general service set is great for use at home or on the road
- Offers a full range of deep and shallow sockets for the most common fastener applications
- Ratchet and handle driver both available for a variety of jobs
- Removable foam divider doubles as a kneeling pad
- Steel reinforced hinges on storage case
- Tools are made of high-grade steel alloy, feature a lifetime warranty and exceed ANSI® standards
- Includes (11) SAE (3/16–5/8") and (11) Metric (4–14 mm) Standard Sockets, (11) SAE (3/16–5/8") and (11) Metric (4–14 mm) Deep Sockets, (1) Bit Holder, (4) Hex Bits (9/64, 3/16, 7/32, 1/4"), (3) Flat Tip Bits (5/32, 3/16, 1/4"), (2) PHILLIPS® Bits (#1, #2), (7) ratchet/socket accessories and (1) ratchet in a storage case



BLPGSS1462

BLPGSSC100B 100 pc 3/8" Drive SAE/Metric General Service Set (Blue-Point®)

- Set covers most popular sizes of wrenches and sockets
- Tools have been newly designed and meet Snap-on® tool standards of quality
- High-quality chrome plating looks great and provides a durable, easy-to-clean finish
- Removable foam divider doubles as a kneeling pad
- Durable blow-molded case
- Includes (23) SAE and Metric 1/4" Drive Standard Depth Sockets, (32) SAE and Metric 3/8" Drive Sockets, (11) External TORX® Sockets, (19) SAE and Metric Combination Wrenches, (7) 1/4" drive and (8) 3/8" drive accessories in a storage case



BLPGSSC100B

BLPGSSC155 155 pc Combination Drive SAE/Metric General Service Set (Blue-Point®)

- Removable foam divider that doubles as a kneeling pad
- Double-injected slip-resistant Santoprene® handles
- Steel reinforced hinges on durable storage case
- Tools are made of high-grade steel alloy, feature a lifetime warranty and exceed ANSI® standards
- 1/4" drive components include: (10) SAE (3/16–9/16") and (13) Metric (4–14 mm) Standard Sockets, (10) SAE (3/16–9/16") and (11) Metric (4–14 mm) Deep Sockets, (20) assorted 1/4" hex bits with bit holder, (5) ratchet/socket accessories and (1) quick release ratchet
- 3/8" drive components include: (13) SAE (1/4–1") and (19) Metric (6–24 mm) Standard Sockets, (11) SAE (3/8–1") and (15) Metric (10–24 mm) Deep Sockets, (1) External TORX® Sockets (E4–E20), (2) Spark Plug Sockets (5/8, 13/16") (3) Metric Hex Socket Drivers (7, 8 and 10 mm), (4) Tamper-Resistant TORX® Socket Drivers (T40, T45, T50, T55), (5) ratchet/socket accessories, (1) quick-release ratchet and (1) spinner handle



BLPGSSC155



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1–W4

RATCHETS



FK80



F80



GF80



FL80



FLL80



F80MP



FH80



FHL80



FHLL80



FH80MP



Dual 80[®] Technology Ratchets (3/8")

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

Set Contains:

204RT03FR**
204RT01PR**

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C		
FK80***	Stubby Handle Ratchet	80	4.5	9/16	1-1/4	4-3/16	•	•
F80	Standard Handle Ratchet	80	4.5	9/16	1-1/4	7-7/16	•	
GF80	Standard Industrial Handle Ratchet	80	4.5	9/16	1-1/4	7-7/16		
FL80	Long Handle	80	4.5	9/16	1-1/4	10-5/16	•	
FLL80	Extra-Long Handle	80	4.5	9/16	1-1/4	17-1/2	•	
F80MP	Multi-Position Head Ratchet	80	4.5	9/16	1-1/4	11		
FH80†	Red Soft-Grip Ratchet	80	4.5	9/16	1-1/4	9-1/2		•
FHL80†	Long Soft-Grip Handle	80	4.5	9/16	1-1/4	12-1/2		•
FHLL80†	Extra-Long Soft-Grip Handle	80	4.5	9/16	1-1/4	18-3/4		•
FH80MP†	Multi-Position Head Ratchet	80	4.5	9/16	1-1/4	12-1/4		

*Sets shown include foam organizer

**ASME[®]ANSI[®] B107.10 with exception of the length

ASME[®]ANSI[®] B107.10

Colors Available



Red Orange Green

T O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

RATCHETS

3/8" DRIVE TOOLS



Dual 80® Technology Flex-Head Ratchets (3/8")

- **LOW HEIGHT:** Snap-on® sockets and ratchets together have the lowest height on the market; improved accessibility in constrained spaces
- **FLEXIBLE:** Screw-style joint design; repairable, adjustable, maximizes joint strength
- **DURABLE:** Made with special alloy steel; nickel-chrome plated; corrosion-resistance and strength for longer life
- **LEVERAGE:** Long contoured handle; comfortable with increased leverage
- **LASTING:** Sealed head; keeps dirt out and lubricants in; longer life
- **DUAL 80® TECHNOLOGY:** Dual pawls and 80-tooth gear; smaller ratcheting arc and more power in less lateral space
- **ACCESSIBILITY:** 80-tooth gear requires less arc to engage the next gear tooth; gets into tight spaces
- **POWERFUL:** Dual pawls; seven teeth in contact with the gears; smooth and powerful turning force

Set Contains:
 20ART02ER**
 20ART04FR**

Stock No.	Description (Chart)	Gear Teeth	Swing Arc	A	B	C		
FKFB0A*†	Stubby Handle Flex-Head Ratchet	80	4.5	9/16	1-1/4	4-3/4	•	•
FF80A	Standard Handle Flex-Head	80	4.5	9/16	1-1/4	8-3/8	•	
FHF80A†	Soft-Grip Standard Flex-Head Ratchet	80	4.5	9/16	1-1/4	10-3/8		•
FLF80A	Long Handle, Flex-Head	80	4.5	9/16	1-1/4	11-1/2	•	
FHLF80A	Long Soft Grip Handle Flex-Head	80	4.5	9/16	1-1/4	13-11/16		•
FLLF80	Extra-Long Handle Flex-Head	80	4.5	11/16	1-3/4	18	•	
FHLLF80	Extra-Long Soft Grip Handle, Flex-Head	80	4.5	11/16	1-3/4	19-1/2		•
FX80A**	Standard Handle Locking Flex-Head Ratchet	80	4.5	9/16	1-1/4	11-1/2		
FHX80A	Red Soft-Grip Locking Flex-Head Ratchet	80	4.5	9/16	1-1/4	11-15/16		
FLLX80	Extra-Long Handle	80	4.5	11/16	1-3/4	20		
FHLLX80	Extra-Long Soft Grip Handle	80	4.5	11/16	1-3/4	20		
FHOF80A	Red Soft-Grip Offset Flex-Head Ratchet	80	4.5	9/16	1-1/4	9-15/16		
FHBF80A†	Soft-Grip Bent Handle Flex-Head Ratchet	80	4.5	9/16	1-1/4	13-3/8		
FSLF80	Speeder Handle Flex-Head	80	4.5	9/16	4-7/8	1-7/8		
FB0MP	Multi-Position Head Ratchet	80	4.5	9/16	1-1/4	11		
FH80MP	Multi-Position Head Ratchet	80	4.5	9/16	1-1/4	12-1/4		

*Sets shown include foam organizer.
 †Uses RKRF80AJT Flex Joint Repair Kit

**Uses RKRF80AJT Flex Joint Repair Kit and RKRF338ALM Locking Mechanism Repair Kit

ASME®/ANSI® 9107.10

Colors Available



↑ 0 0
 ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



- Do not use "cheater bars" on handles.
- Do not immerse sealed ratchet in fluids.
- Do not replace worn parts individually; use entire contents of the service kit.
- Read Safety Precautions on pages W1-W4.

RATCHETS



Dual 80[®] Technology Compact Head Ratchets (3/8")

- 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
FC72	Compact Head Ratchet	72	5	7/16	15/16	4-7/16
FCF72	Compact Flex-Head	72	5	7/16	15/16	6-1/4

ASME/ANSI* B107.10



Quick-Release Ratchets (3/8")

3/8" Drive Dual 80[®] Technology Standard Handle Quick-Release Ratchet

- Quick-release has a positive locking feature to hold socket/accessory securely in place when needed and push button for easy removal even with greasy or oily hands
- Contoured handle for comfort and control
- Chrome finish for easy cleanup

- 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 helps keep dirt and other contaminants out of the head mechanism

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C
FR80	Standard Handle, Quick-Release	80	4.5	9/16	1-1/4	7-7/16
FHR80*	Standard Soft-Grip Handle, Quick-Release	80	4.5	9/16	1-1/4	9-9/16
FRL80	Long Handle, Quick-Release Flex-Head	80	4.5	9/16	1-1/4	10-3/8
FRLL80	Extra-Long Handle Quick-Release	80	4.5	9/16	1-1/4	17-1/2
FRLF80A	Long Handle, Quick-Release Flex-Head	80	4.5	9/16	1-1/4	11-1/2
FHRLF80A*	Long Soft Grip Handle Quick-Release Flex Head	80	4.5	9/16	1-1/4	13-11/16
FRLLF80	Extra-Long Handle Flex-Head Quick-Release	80	4.5	11/16	1-3/4	18
FHRLLF80*	Extra-Long Soft Grip Handle, Flex-Head	80	4.5	11/16	1-3/4	19-5/2
FRX80A	Standard Handle, Quick-Release Locking Flex-Head	80	4.5	9/16	1-1/4	11-3/8
FHRX80A*	Standard Soft Grip Handle, Quick-Release Locking Flex-Head	80	4.5	9/16	1-1/4	11-15/16
FRSLF80	Speeder Handle Quick-Release Flex-Head	80	4.5	5/8	1-1/4	13-3/4

ASME/ANSI* B107.10

Colors Available



* ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

RATCHETS



Round Head Ratchets, Chrome (3/8")

Snap-on® Round Head Ratchets feature up to 100 teeth to achieve the lowest possible swing arc. Slim design is perfect for the tightest of space constraints.

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C
FHCNF72**†	Compact Round Head Soft Grip Swivel	72	5	7/16	1-1/4	6-7/8
FN100	Round Head Ratchet	100	3.6	11/16	1-3/4	7-7/8
FNF100	Round Swivel Head Ratchet	100	3.6	11/16	1-3/4	10-1/4
FHF100**†	Red Soft-Grip Swivel-Head Ratchet	100	3.6	11/16	1-3/4	12-1/2
FZERO	Gearless Round Head	0	0	5/8	1-1/2	7-1/2

†TH936-12 Soft Grip Replacement Handle

**FH60-12 Soft Grip Replacement Handle

ASME®/ANSI® B107.10

Colors Available



† 0 0
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



Low-Profile Ratchets (3/8")

Dual 80° Technology Low-Profile Ratchet

- Square drive design works with low-profile sockets to access restricted clearance 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



RAF80A



Stock No.	Description	Gear Teeth	Swing Arc	A	B	C
RAF80A	Low-Profile Ratchet	80	4.5	7/16	1-1/4	7-1/2

ASME®/ANSI® B107.10

FOD Ratchets (Foreign Object Damage) (3/8")

- For aviation and other critical applications where Foreign Object Damage prevention is crucial for success
- Designed to help prevent foreign object damage in sensitive work environments.
- The coverplate and reverse lever are permanently affixed to the ratchet head with rivets to prevent small parts debris
- Ratchets have the lowest profile and work with the shortest swing arc, providing better access to restricted areas



F80FOD



GF80FOD



GFL80FOD



Stock No.	Description (Chart)	Gear Teeth	Swing Arc	A	B	C
F80FOD	Foreign Object Damage Ratchet, Standard Handle	80	4.5	9/16	1-1/4	7-7/16
GF80FOD	Industrial Handle Foreign Object Damage Ratchet	80	4.5	9/16	1-1/4	7-7/16
GFL80FOD	Long Industrial Handle Foreign Object Damage Ratchet	80	4.5	9/16	1-1/4	10-5/16

ASME®/ANSI® B107.10

Ratchet Adaptor, Chrome (3/8") F77A 3/8" Drive 20-Tooth Ratchet Adaptor



F77A



- Do not use "cheater bars" on handles.
- Do not disassemble FOD ratchet in workplace.
- Do not immerse sealed ratchet in fluids.
- Do not replace worn parts individually; use entire contents of the service kit.
- Frequently inspect, clean, and lubricate all nonsealed ratchet mechanisms with light oil.
- Read Safety Precautions on pages W1-W4

RATCHETS



Hi-Lok® Fastener Ratchet (3/8")

3/8" Drive Dual 80° Technology Hi-Lok® Compact Head Ratchet

- Dual 80° Ratchet Technology features dual-pawls and a 72-tooth gear providing for more power in less lateral space
- Six teeth in full contact with gear to provide strength and durability
- A mere 5° ratcheting arc
- Sealed head helps keep 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
FCY72	Hi-Lok® Compact Head Ratchet	72	5	7/16	15/16	4-5/8



Specialty Ratchets (3/8")

Stock No.	Description (Chart)	Gear Teeth	Swing Arc	A	B	C
FZ80	Multi-Purpose Special Application Ratchet	36	10	5/8	1-3/16	3-1/4
PALMRAT	Palm Style Special Application Ratchet	20	18	1-3/16	—	2-5/8



Ratchet Spinners (3/8")

Stock No.	Description	A	B
FRS70A	Spinner Ratchet	1-1/4	1-9/32

ASME®/ANSI® B107.10



Ratchet Spinners (Blue-Point®) (3/8")

Stock No.	Description	A	B
FSDR1 [†]	3/8" External Drive/1/4" Internal Square Drive Finger Ratchet (Blue-Point®)	1-1/8	1-7/16

ASME®/ANSI® B107.10

BREAKER BARS



Breaker Bars, Chrome (3/8")

Stock No.	Description	A	B	C
F12LB	3/8" Drive 11-9/16" Long Handle Breaker Bar	13/16	11-9/16	1/2
F18LA	3/8" Drive 18" Extra-Long Handle Breaker Bar	7/8	18	1/2
FHBB12A* [†]	3/8" Drive 13" Soft Grip Handle Breaker Bar	13/16	13	1/2
FHBB18A [†]	3/8" Drive 17-1/2" Soft Grip Extra-Long Handle Breaker Bar	7/8	17-1/2	1/2

*ASME®/ANSI® B107.10

Colors Available



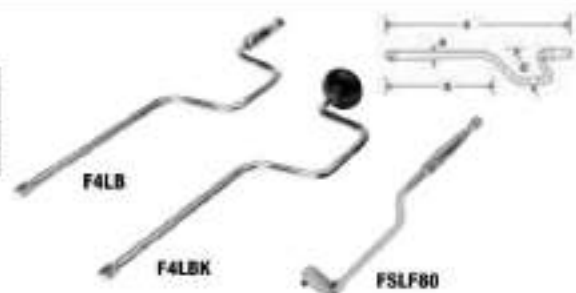
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

SPEEDERS

Speeders, Chrome

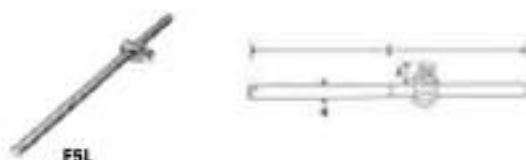
Stock No.	A	B	C	D
F4LB	13/32	7-7/8	3-1/2	17-27/32
F4LBK*	13/32	7-7/8	3-1/2	16-5/8
FSLF80	9/16	4-7/8	1-7/8	11-9/16

*Speeder with knob.



Sliding T-Handles, Chrome

Stock No.	A	B	C
FSL	3/4	13/32	8



DRIVE HANDLES

Handled Drivers, Chrome

Stock No.	A	B	C
F40B	1/2	1	5-5/16
SGF50CR**	1/2	5	10-7/16

Inch handle does not have an internal square drive

Colors Available

Red Orange Green

↑ R O G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



EXTENSIONS

Extensions/Knurled

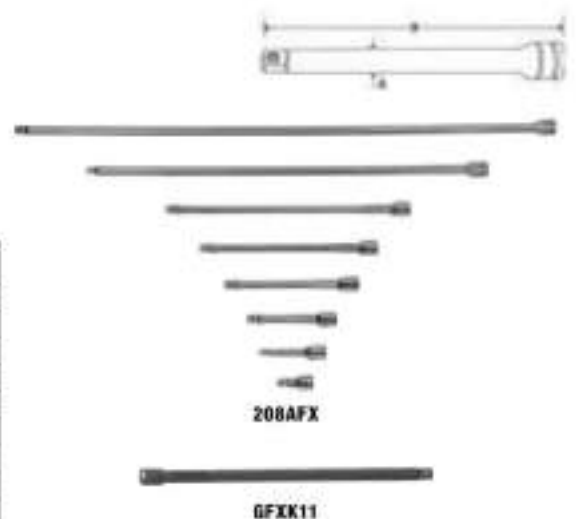
Knurled Extensions feature:

- Chamfered drive ends for easy engagement
- Small diameter shank for maximum accessibility
- Cold formed for robust performance and made from a single piece of steel
- Knurled shaft provides fingertip control

Stock No.	Industrial Stock No.	A	B	Set Contains:		
				208AFX*	208AFX**	209AFX**
FX1**	GFX1**	1/2	1-1/2	•	•	•
FX2	—	3/164	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	•	•	•
FX12	—	1/2	12			
FX18	—	1/2	18		•	
FX24A	—	1/2	24		•	
FX36	—	1/2	36			
FUBA	—	2-1/16	—			•
A2A	—	3/8	1/2			•
—	GFATIE	3/8	1/4			•

**Sets include foam organizer
**Not Knurled

Industrial finish products not included in sets.



Colors Available

Red Orange Green

*** R O G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

- Do not use chrome or industrial finish hand tools with power driven or impact drivers.
- Do not use "cheater bars" on handles.
- Pull, do not push on handle.
- Frequently inspect, clean, and lubricate all non-sealed ratchet mechanisms with light oil.
- Do not replace worn parts individually; use entire contents of the service kit.
- Do not use on or near live electrical circuits.
- Do not use adapters with impact drivers. Do not exceed torque stamped on adapter.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.



EXTENSIONS



204FXKLA

Extensions/Locking, Chrome

- Release socket from extension quickly and easily
- Knurling at drive end provides easy fingertip turning

Set Contains:

Stock No.	A	B	
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 includes storage tray

FXKLP 5 pk 3/8" Drive Locking Pins

- (5) locking pins for FXKL Series Extensions
- For use on GM® door strikers

FXKLRK 3/8" Drive Repair Kit For FXKL Series



206AFXW

Extensions/Wobble, Chrome

- Wobble function provides 16° of additional accessibility
- Knurled shanks for easy fingertip turning

Set Contains:

Stock No.	A	B	
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	•

Set includes storage tray
*Not knurled



206AFXWP

Extensions/Wobble Plus, Chrome

- **WOBBLE FUNCTION:** Provides 16° of additional accessibility; offset to clear obstruction; use in restricted areas
- **WOBBLE PLUS:** Usable in both wobble or rigid functions; two tools in one for more applications, saves time
- **STANDARD FUNCTION:** Provides extra reach when needed; for traditional rigid linear applications
- **DURABLE:** Special alloy steel; cold-forged; nickel-chrome plated; corrosion resistance and strength for longer life
- **CONTROL:** Knurled shank; for easy fingertip turning when working in tight quarters

Set Contains:

Stock No.	A	B	
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	•

Set includes storage tray
*Not knurled



203FXWKL

Extensions/Locking Wobble, Chrome

- 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

Set Contains:

Stock No.	A	B	
FXWKL3	1/2	3	•
FXWKL6	1/2	6	•
FXWKL11	1/2	11	•

Set includes storage tray

Extension Connectors, Chrome

FZ1 3/8" Drive Extension 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



FZ1

FZ2 2 pc 3/8" Drive Extension Connector Set

- Female and male 90° connectors add versatility to extensions, breaker bars, ratchets and crowfoot wrenches when accessing hard-to-reach fasteners

Square Drive Adaptors

Stock No.	Industrial Stock No.	A	B	C	D
—	GFAT1E	3/8	1/4	11/16	1-1/4
—	GSAF1F	1/2	3/8	1-5/16	—
TA3	GTA3	1/4	3/8	1/2	15/16
A2A	GAF2A	3/8	1/2	47/64	1-5/16

ASME[®]/ANSI[®] B107.10

206EAU 6 pc 3/8" Drive Adaptor/Extension Set

- Includes (6) components in a tray—GFAT1E and A2A adaptors; FUBA universal joint and FX1, FXK3 and FXK6 extensions

1206GS 6 pc Combination Square Drive Adaptor Set

- Includes 1/4" drive GFAT1E and TA3, 3/8" drive A2A and GSAF1F, and 1/2" drive GLA12B and GLA51E in a storage tray

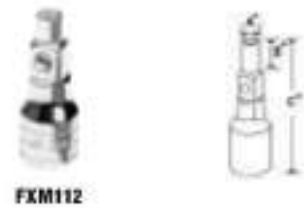


206EAU

1206GS

Magnetic Adaptors, Chrome

Stock No.	A	B	C
FXM18	3/16	9/32	1-25/32
FXM112	5/16	9/32	1-25/32



FXM112

Universal Joints

Stock No.	Industrial Stock No.	A	B
FUL8A	—	3/4	3
FUBA	GFUBA	3/4	2-1/16
FUB0B	—	3/4	1-3/4

ASME[®]/ANSI[®] B107.10

FUL8A 3/8" Drive 3" Locking Pin Universal Joint

- Locking pin for better socket retention

103UFTS 3 pc Combination Drive Universal Joint Set

- Includes (1) 1/4" Drive Universal Joint, (1) 3/8" Drive Universal Joint and (1) 1/2" Drive Universal Joint in storage tray



FUL8A

FUBA

GFUBA

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 are marked for easy identification
- Do not use socket inserts with impact tools

Stock No.	Fastener Size, mm	Socket Size, mm	Working Torque, in-lb	Set Contains:
PSCM1208	8	12	80	•
PSCM1410	10	14	155	•
PSCM1612	12	16	340	•
PSCM1713	13	17	490	•
PSCM1915	15	19	450	•
PSCM2217	17	22	790	•



PSCM800

Hex-to-Square Adaptors

- 1/4" hex size; 1" length of hex

Stock No.	Length, inches
AB3042	2
AB3044	4
AB3046	6

Insert Bit Style, non-impact



AB3042

AB3044

AB3046



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not use adaptors with impact drivers.
- Do not exceed torque stamped on adaptor.
- Read Safety Precautions on pages W1-W4

FLANK DRIVE® XTRA SOCKETS



YFSM161

Flank Drive® Xtra Shallow, mm, Chrome

Set Contains:

212YFSMY

215YFSMY

mm	6	A	B	C	D	E	6	6
6	YFSM61	9.5	17.5	11.1	23.0	5.6		*
7	YFSM71	11.1	17.5	11.1	23.0	5.6		*
8	YFSM81	11.9	17.5	11.1	23.0	6.4	*	*
9	YFSM91	13.5	17.5	11.1	23.0	6.4	*	*
10	YFSM101	14.3	17.5	11.1	23.0	6.4	*	*
11	YFSM111	15.9	17.5	11.1	23.0	7.1	*	*
12	YFSM121	16.7	17.5	11.9	24.6	7.9	*	*
13	YFSM131	18.3	18.3	12.0	24.6	7.9	*	*
14	YFSM141	19.8	19.8	13.1	25.4	10.3	*	*
15	YFSM151	20.6	20.6	15.2	27.8	10.3	*	*
16	YFSM161	21.4	21.4	15.6	28.6	11.0	*	*
17	YFSM171	23.0	23.0	16.0	29.4	12.7	*	*
18	YFSM181	24.6	24.6	16.5	30.2	12.7	*	*
19	YFSM191	25.4	25.4	17.2	31.0	12.7	*	*
20	YFSM201	27.0	27.0	17.8	31.8	12.7	*	*

Sets shown include magnetic storage tray



YFS141

Flank Drive® Xtra Shallow, Inches, Chrome

Set Contains:

211YFSY

214YFSY

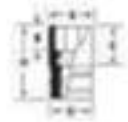
11	6	A	B	C	D	E	6	6
1/4	YFS081	13/32	11/16	13/32	29/32	7/32	*	*
5/16	YFS101	15/32	11/16	13/32	29/32	1/4	*	*
11/32	YFS111	1/2	11/16	13/32	29/32	1/4	*	*
3/8	YFS121	9/16	11/16	13/32	29/32	1/4	*	*
7/16	YFS141	5/8	11/16	13/32	29/32	9/32	*	*
1/2	YFS161	23/32	23/32	7/16	31/32	5/16	*	*
9/16	YFS181	25/32	25/32	9/16	1-3/32	13/32	*	*
5/8	YFS201	27/32	27/32	19/32	1-5/8	15/32	*	*
11/16	YFS221	15/16	15/16	19/32	1-5/32	1/2	*	*
3/4	YFS241	1	1	21/32	1-7/32	1/2	*	*
13/16	YFS261	1-1/16	1-1/16	11/16	1-1/4	1/2	*	*
7/8	YFS281	1-5/32	1-5/32	3/4	1-9/32	9/16	*	*
15/16	YFS301	1-1/4	1-1/4	13/16	1-3/8	9/16	*	*
1	YFS321	1-5/16	1-5/16	13/16	1-13/32	9/16	*	*

Sets shown include magnetic storage tray

FLANK DRIVE® XTRA SOCKETS



212YFSMSY



Flank Drive® Xtra Semi-Deep, mm, Chrome

Set Contains:

212YFSMSY

mm	6	A	B	C	D	E	6
6	YFSMS6	10.3	17.5	29.3	41.3	5.6	
7	YFSMS7	11.1	17.5	29.3	41.3	6.4	
8	YFSMS8	11.9	17.5	29.3	41.3	6.4	•
9	YFSMS9	13.5	17.5	29.3	41.3	6.4	•
10	YFSMS10	14.3	17.5	29.3	41.3	7.1	•
11	YFSMS11	15.9	17.5	29.3	41.3	9.5	•
12	YFSMS12	16.7	17.5	29.3	41.3	9.5	•
13	YFSMS13	18.3	18.3	29.3	41.3	10.3	•
14	YFSMS14	19.8	19.8	23.6	41.3	10.3	•
15	YFSMS15	20.6	20.6	23.6	41.3	10.3	•
16	YFSMS16	21.4	21.4	23.4	41.3	10.3	•
17	YFSMS17	23.0	23.0	23.4	41.3	11.1	•
18	YFSMS18	24.6	24.6	23.3	41.3	11.1	•
19	YFSMS19	25.4	25.4	23.1	41.3	12.7	•
20	YFSMS20	27.0	27.0	22.7	41.3	12.7	

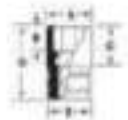


YFSMS16

Sets shown include magnetic storage tray



211YFSSY



Flank Drive® Xtra Semi-Deep, SAE, Chrome

Set Contains:

211YFSSY

11	6	A	B	C	D	E	6
1/4	YFSS081	13/32	11/16	1-1/8	1-5/8	7/32	•
5/16	YFSS101	15/32	11/16	1-1/8	1-5/8	1/4	•
3/8	YFSS121	9/16	11/16	1-1/8	1-5/8	9/32	•
7/16	YFSS141	5/8	11/16	1-1/8	1-5/8	3/8	•
1/2	YFSS161	23/32	23/32	1-1/8	1-5/8	13/32	•
9/16	YFSS181	25/32	25/32	29/32	1-5/8	13/32	•
5/8	YFSS201	27/32	27/32	29/32	1-5/8	13/32	•
11/16	YFSS221	15/16	15/16	29/32	1-5/8	7/16	•
3/4	YFSS241	1.0	1.0	1-1/16	1-5/8	19/32	•
13/16	YFSS261	17/16	17/16	1-1/16	1-5/8	21/32	•
7/8	YFSS281	1-5/32	1-5/32	1-3/16	1-23/32	23/32	•
15/16	YFSS301	1-3/4	1-3/4	1-3/16	1-3/4	23/32	
1	YFSS321	1-5/16	1-5/16	1-7/32	1-3/4	3/4	



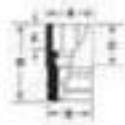
YFSS221

Sets shown include magnetic storage tray



- Do not use chrome or industrial finish, hard tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4.

FLANK DRIVE® XTRA SOCKETS



Flank Drive® Xtra Deep, mm, Chrome

Set Contains:

212YSFSMY
210YSFSMY



YSFSM8



YSFSM19

mm	6	A	B	C	D	E	6	6
6	YSFSM6	10.3	17.5	42.0	54.0	5.6	•	•
7	YSFSM7	11.1	17.5	42.0	54.0	6.4	•	•
8	YSFSM8	11.9	17.5	42.0	54.0	6.4	•	•
9	YSFSM9	13.5	17.5	42.0	54.0	6.4	•	•
10	YSFSM10	14.3	17.5	42.0	54.0	7.1	•	•
11	YSFSM11	15.9	17.5	42.0	54.0	9.5	•	•
12	YSFSM12	16.7	17.5	42.0	54.0	9.5	•	•
13	YSFSM13	18.3	18.3	42.0	54.0	10.3	•	•
14	YSFSM14	19.8	19.8	42.6	60.3	10.3	•	•
15	YSFSM15	20.6	20.6	42.6	60.3	10.3	•	•
16	YSFSM16	21.4	21.4	42.4	60.3	10.3	•	•
17	YSFSM17	23.0	23.0	46.6	66.7	12.7	•	•
18	YSFSM18	24.6	24.6	46.7	66.7	12.7	•	•
19	YSFSM19	25.4	25.4	48.5	66.7	15.1	•	•
20	YSFSM20	27.0	27.0	48.1	66.7	15.1	•	•

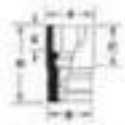
Sets shown include magnetic storage tray



211YSFSY



214YSFSY



Flank Drive® Xtra Deep, Inches, Chrome

Set Contains:

211YSFSY
214YSFSY



YSFS161

in	6	A	B	C	D	E	6	6
1/4	YSFS061	13/32	11/16	1-5/8	2-1/8	7/32	•	•
5/16	YSFS101	15/32	11/16	1-5/8	2-1/8	9/32	•	•
11/32	YSFS111	1/2	11/16	1-5/8	2-1/8	1/4	•	•
3/8	YSFS121	9/16	11/16	1-5/8	2-1/8	9/32	•	•
7/16	YSFS141	5/8	11/16	1-5/8	2-1/8	3/8	•	•
1/2	YSFS161	23/32	23/32	1-5/8	2-1/8	13/32	•	•
9/16	YSFS181	25/32	25/32	1-21/32	2-3/8	13/32	•	•
5/8	YSFS201	27/32	27/32	1-21/32	2-3/8	15/32	•	•
11/16	YSFS221	15/16	15/16	1-29/32	2-5/8	1/2	•	•
3/4	YSFS241	1	1	1-29/32	2-5/8	19/32	•	•
13/16	YSFS261	1-1/16	1-1/16	2	2-3/4	21/32	•	•
7/8	YSFS281	1-5/32	1-5/32	2	2-3/4	23/32	•	•
15/16	YSFS301	1-1/4	1-1/4	2	2-3/4	3/4	•	•
1	YSFS321	1-5/16	1-5/16	1-31/32	2-3/4	13/16	•	•

Sets shown include magnetic storage tray

FLANK DRIVE® SOCKETS

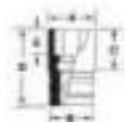
3/8" DRIVE TOOLS



Shallow, mm, Chrome

mm	Set Contains:		A	B	C	D	E	212FSMY	
	6	12						6	12
6	FSM61	FM6	—	9.5	17.5	11.1	23.0	5.6	
7	FSM71	FM7	—	11.1	17.5	11.1	23.0	5.6	
8	FSM81	FM8	—	11.9	17.5	11.1	23.0	6.4	•
9	FSM91	FM9	GFM9A	13.5	17.5	11.1	23.0	6.4	•
10	FSM101	FM10	—	14.3	17.5	11.8	23.6	6.4	•
11	FSM111	FM11	—	15.9	17.5	11.1	23.0	7.1	•
12	FSM121	FM12	—	16.7	17.5	11.9	24.6	7.9	•
13	FSM131	FM13	—	18.3	17.5	12.6	24.6	7.9	•
14	FSM141	FM14	—	19.8	19.1	13.1	25.4	10.3	•
15	FSM151	FM15	—	20.6	19.8	15.2	27.8	10.3	•
16	FSM161	FM16	—	21.4	20.6	15.8	28.6	11.9	•
17	FSM171	FM17	—	23.0	22.2	16.0	29.4	12.7	•
18	FSM181	FM18	—	24.6	23.8	16.5	30.2	12.7	•
19	FSM191	FM19	—	25.4	24.6	17.2	31.0	12.7	•
20	FSM201	FM20	—	27.0	26.2	17.8	31.8	12.7	
21	FSM211	FM21	—	28.6	27.8	18.1	31.8	14.3	
22	FSM221	FM22	—	29.4	28.6	19.2	32.5	14.3	
23	FSM231	FM23	—	30.2	29.4	19.3	33.3	14.3	
24	FSM241	FM24	—	31.8	31.0	21.1	34.9	14.3	
25	FSM251	FM25	—	32.5	31.8	21.3	35.7	14.3	
26	FSM261	FM26	—	34.1	33.3	22.0	36.5	14.3	
27	—	FM27	—	36.5	35.7	26.5	38.9	14.3	

Sets shown include magnetic storage tray
ASME/ANSI® B107.5



Shallow, Inches, Chrome

Inches	Set Contains:		A	B	C	D	E	214FSY				
	6	12						6	6	12		
1/4	FS081	F081	GFS081	GF081	13/32	11/16	13/32	29/32	7/32	•	•	•
5/16	FS101	F101	GFS101	GF101	15/32	11/16	13/32	29/32	1/4	•	•	•
11/32	FS111	F111	—	GF111	1/2	11/16	13/32	29/32	1/4	•		
3/8	FS121	F121	GFS121	GF121	9/16	11/16	13/32	29/32	1/4	•	•	•
7/16	FS141	F141	GFS141	GF141	5/8	11/16	13/32	29/32	9/32	•	•	•
1/2	FS161	F161	GFS161	GF161	23/32	11/16	7/16	31/32	5/16	•	•	•
9/16	FS181	F181	GFS181	GF181	25/32	3/4	9/16	1-3/32	13/32	•	•	•
19/32	—	—	—	GF191	13/16	25/32	19/32	1-3/32	3/8			
5/8	FS201	F201	GFS201	GF201	27/32	13/16	19/32	1-1/8	15/32	•	•	•
11/16	FS221	F221	GFS221	GF221	15/16	29/32	5/8	1-5/32	1/2	•	•	•
3/4	FS241	F241	GFS241	GF241	1	31/32	21/32	1-7/32	1/2	•	•	•
13/16	FS261	F261	GFS261	GF261	1-1/16	1-1/32	11/16	1-1/4	1/2	•	•	•
7/8	FS281	F281	GFS281	GF281	1-5/32	1-1/8	23/32	1-9/32	9/16	•	•	•
15/16	FS301	F301	GFS301	GF301	1-3/4	1-7/32	13/16	1-3/8	9/16	•	•	•
1	FS321	F321	GFS321	GF321	1-5/16	1-9/32	13/16	1-13/32	9/16	•		

Sets shown include magnetic storage tray
ASME/ANSI® B107.1



• Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
• Read Safety Precautions on pages W1-W9.

FLANK DRIVE® SOCKETS



Semi-Deep, mm, Chrome

Size, mm	Stock No.	A	B	C	D	E	Set Contains:	
6	FMS56	FMS6	9.5	17.5	29.3	41.3	5.8	
7	FMS57	FMS7	11.1	17.5	29.3	41.3	6.4	
8	FMS58	FMS8	11.9	17.5	29.3	41.3	6.4	• •
9	FMS59	FMS9	13.5	17.5	29.3	41.3	6.4	• •
10	FMS510	FMS10	14.3	17.5	29.3	41.3	7.1	• •
11	FMS511	FMS11	15.9	17.5	29.3	41.3	9.5	• •
12	FMS512	FMS12	16.7	17.5	29.3	41.3	9.5	• •
13	FMS513	FMS13	18.3	17.5	29.3	41.3	10.3	• •
14	FMS514	FMS14	19.8	19.1	23.6	41.3	10.3	• •
15	FMS515	FMS15	20.6	19.8	23.6	41.3	10.3	• •
16	FMS516	FMS16	21.4	20.5	23.4	41.3	10.3	• •
17	FMS517	FMS17	23.0	22.2	23.4	41.3	11.1	• •
18	FMS518	FMS18	24.6	23.8	23.3	41.3	11.1	• •
19	FMS519	FMS19	25.4	24.6	23.1	41.3	12.7	• •
20	FMS520	FMS20	27.0	26.2	22.7	41.3	12.7	• •

Sets shown include magnetic storage tray
ASME/ANSI B107.5



Semi-Deep, Inches, Chrome

Size, inches	Stock No.	A	B	C	D	E	Set Contains:
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	5/8	•
3/8	FSS121	9/16	11/16	1-1/8	1-5/8	9/32	•
7/8	FSS141	5/8	11/16	1-1/8	1-5/8	3/8	•
1/2	FSS161	23/32	11/16	1-1/8	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	1-3/32	1-5/8	19/32	•
13/16	FSS261	1-1/16	1-1/32	1-3/32	1-5/8	21/32	•
7/8	FSS281	1-5/32	1-1/8	1-3/16	1-23/32	23/32	•
15/16	FSS301	1-1/4	1-7/32	1-7/32	1-3/4	23/32	•
1	FSS321	1-5/16	1-9/32	1-3/16	1-3/4	3/4	•

Sets shown include magnetic storage tray
ASME/ANSI B107.5



Semi-Deep, Inches, Chrome

Size, inches	Stock No.	A	B	C	D	E	Set Contains:
1/4	FDS081	13/32	11/16	3/4	1-1/4	7/32	
5/32	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	
11/16	FDS111	1/2	11/16	3/4	1-1/4	9/32	
3/8	FDS121	9/16	11/16	1	1-1/2	9/32	
7/16	FDS141	5/8	11/16	1	1-1/2	3/8	
1/2	FDS161	23/32	11/16	1-1/8	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	7/8	1-5/8	15/32	
11/16	FDS221	15/16	29/32	7/8	1-5/8	1/2	
3/4	FDS241	1	31/32	1-3/32	1-5/8	19/32	
25/32	FDS251	1-1/16	1-1/32	1-1/8	1-5/8	5/8	
13/16	FDS261	1-1/16	1-1/32	1-3/32	1-5/8	21/32	
7/8	FDS281	1-5/32	1-1/8	1-3/16	1-23/32	23/32	
15/16	FDS301	1-1/4	1-7/32	1-7/32	1-3/4	23/32	
1	FDS321	1-5/16	1-9/32	1-3/16	1-3/4	3/4	

Sets shown include magnetic storage tray
ASME/ANSI B107.5



Deep, mm, Chrome

Size, mm	Stock No.	A	B	C	D	E	Set Contains:	
6	SFSM6	SFM6	10.3	17.5	42.0	54.0	5.6	
7	SFSM7	SFM7	11.1	17.5	42.0	54.0	6.4	
8	SFSM8	SFM8	11.9	17.5	42.0	54.0	6.4	• •
9	SFSM9	SFM9	13.5	17.5	42.0	54.0	6.4	• •
10	SFSM10	SFM10	14.3	17.5	42.0	54.0	7.1	• •
11	SFSM11	SFM11	15.9	17.5	42.0	54.0	9.5	• •
12	SFSM12	SFM12	16.7	17.5	42.0	54.0	9.5	• •
13	SFSM13	SFM13	18.3	17.5	42.0	54.0	10.3	• •
14	SFSM14	SFM14	19.8	19.1	42.6	60.3	10.3	• •
15	SFSM15	SFM15	20.6	19.8	42.6	60.3	10.3	• •
16	SFSM16	SFM16	21.4	20.6	42.4	60.3	10.3	• •
17	SFSM17	SFM17	23.0	22.2	48.8	66.7	12.7	• •
18	SFSM18	SFM18	24.6	23.8	48.7	66.7	12.7	• •
19	SFSM19	SFM19	25.4	24.6	48.5	66.7	15.1	• •
20	SFSM20	SFM20	27.0	26.2	48.1	66.7	15.1	• •
21	SFSM21	SFM21	28.6	27.8	48.1	66.7	15.1	• •
22	SFSM22	—	29.4	28.6	54.1	73.0	15.1	• •

Sets shown include magnetic storage tray
ASME/ANSI B107.5

FLANK DRIVE® SOCKETS

3/8" DRIVE TOOLS

Extra-Long, inches

SFSL181 3/8" Drive 6-Point SAE 9/16" Extra-Long Socket

- Manufactured from special alloy steel
- Precision machined and heat-treated for optimum strength and durability
- Nickel-chrome finish helps protect against corrosion and makes it easy to wipe clean
- Flank Drive® wrenching system grips fastener on the flanks/flats, increasing torque and preventing fastener corners from rounding off
- Socket is 7-1/2" long allowing the long reach needed



Deep, Inches, Chrome

Socket Size	Set Contains:		2115FSY		2145FY		215FY					
	6	12	6	12	A	B	C	D	E	6	12	12
1/4	SFS081	SF081	GSFS081	GSF081	13/32	11/16	1-5/8	2-1/8	7/32	*	*	*
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	1-5/8	2-1/8	9/32	*	*	*
11/32	SFS111	SF111	—	—	1/2	11/16	1-5/8	2-1/8	1/4			
3/8	SFS121	SF121	GSFS121	GSF121	9/16	11/16	1-5/8	2-1/8	9/32	*	*	*
7/16	SFS141	SF141	GSFS141	GSF141	5/8	11/16	1-5/8	2-1/8	3/8	*	*	*
1/2	SFS161	SF161	GSFS161	GSF161	23/32	11/16	1-5/8	2-1/8	13/32	*	*	*
9/16	SFS181	SF181	GSFS181	GSF181	25/32	3/4	1-21/32	2-3/8	13/32	*	*	*
19/32	—	SF191	—	—	13/16	25/32	1-21/32	2-3/8	13/32	*	*	*
5/8	SFS201	SF201	GSFS201	GSF201	27/32	13/16	1-21/32	2-3/8	15/32	*	*	*
11/16	SFS221	SF221	GSFS221	GSF221	15/16	29/32	1-29/32	2-5/8	1/2	*	*	*
3/4	SFS241	SF241	GSFS241	GSF241	1	31/32	1-29/32	2-5/8	19/32	*	*	*
25/32	—	SF251	—	—	1-1/16	1-1/32	2-1/8	2-5/8	5/8			
13/16	SFS261	SF261	GSFS261	GSF261	1-1/16	1-1/32	2	2-3/4	21/32	*	*	*
7/8	SFS281	SF281	GSFS281	GSF281	1-5/32	1-1/8	2	2-3/4	23/32	*	*	*
15/16	SFS301	SF301	GSFS301	GSF301	1-3/4	1-7/32	2	2-3/4	3/4	*	*	*
1	SFS321	SF321	GSFS321	GSF321	1-5/16	1-9/32	1-31/32	2-3/4	13/16		*	*

Sets shown include magnetic storage tray
ASME/ANSI B107.1

Shallow/Deep Sets, mm, Chrome (3/8")

Socket Size	Set Contains:		224SFFSM	
	6-Point Metric Flank Drive® Shallow Socket	6	6-Point Metric Flank Drive® Deep Socket	6
8	FSM81	*	SFSM8	*
9	FSM91	*	SFSM9	*
10	FSM101	*	SFSM10	*
11	FSM111	*	SFSM11	*
12	FSM121	*	SFSM12	*
13	FSM131	*	SFSM13	*
14	FSM141	*	SFSM14	*
15	FSM151	*	SFSM15	*
16	FSM161	*	SFSM16	*
17	FSM171	*	SFSM17	*
18	FSM181	*	SFSM18	*
19	FSM191	*	SFSM19	*

ASME/ANSI B107.3



- 224SFFSM 24 pc 3/8" Drive 6-Point Metric Flank Drive® Shallow/Deep Combination Socket Set**
- Includes (12) shallow sockets (8–19 mm) and (12) deep sockets (8–19 mm)
 - Includes magnetic storage tray



• Do not use chrome or industrial finish hand tools with power driven or impact drivers.
• Read Safety Precautions on pages W1–W4

FLANK DRIVE® SOCKETS



222SFFS

222SFFS 22 pc 3/8" Drive 6-Point SAE Flank Drive® Shallow/Deep Combination Socket Set

- Includes (11) shallow sockets (1/4–7/8") and (11) deep sockets (1/4–7/8")
- Includes magnetic storage tray

Shallow/Deep Sets, Inches, Chrome (3/8")

Set Contains:			Set Contains:		
11	6-Point SAE Flank Drive® Shallow Socket	6	11	6-Point SAE Flank Drive® Deep Socket	6
1/4	FS081	•	1/4	SFS081*	•
5/16	FS101	•	5/16	SFS101*	•
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*	•
13/16	FS261	•	13/16	SFS261*	•
7/8	FS281	•	7/8	SFS281*	•

ASME B107.1

FLANK DRIVE® LOW-PROFILE SOCKETS



RFM12



210RAFMA

Low-Profile Socket Sets, mm

mm	Set Contains:		A	B	C	D	E	Set Contains:		
	6	12						6	12	6
8	RFSM8	RFM8	11.6	16.5	—	16.0	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	18.6	5.6	•	•	•
14	RFSM14	RFM14	19.5	18.2	10.5	18.7	5.1	•	•	•
15	RFSM15	RFM15	20.4	19.6	10.8	19.1	5.6	•	•	•
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			

Sets include storage tray
*Set includes RAF80A ratchet



RF181



210RARFA

Low-Profile Socket Sets, inches

11	Set Contains:		A	B	C	D	E	Set Contains:	
	12	12						12	12
1/4	RF081		0.46	0.65	0.34	0.66	0.15	•	•
5/16	RF101		0.46	0.65	—	0.66	0.21	•	•
11/32	RF111		0.49	0.65	0.36	0.68	0.22		
3/8	RF121		0.56	0.65	0.37	0.69	0.22	•	•
7/16	RF141		0.62	0.65	0.38	0.7	0.26	•	•
1/2	RF161		0.71	0.66	0.41	0.71	0.27	•	•
9/16	RF181		0.77	0.74	0.45	0.75	0.32	•	•
5/8	RF201		0.83	0.8	0.47	0.79	0.37	•	•
11/16	RF221		0.93	0.8	0.52	0.81	0.38	•	•
3/4	RF241		0.99	0.96	0.37	0.82	0.37	•	•

Sets include storage tray
*Set includes RAF80A ratchet

FLANK DRIVE® LOW-PROFILE SOCKETS

Essential Socket Sets

208ES10MMY 8 pc 3/8" Drive Essential 10 mm Socket Set

208ES13MMY 8 pc 3/8" Drive Essential 13 mm Socket Set

- The innovative Flank Drive® wrenching system provides flat-to-flat contact for up to 20% more turning power
- The Flank Drive® Xtra wrenching system grips fasteners with the angled contour of the socket wall—delivering higher strength and up to 50% more turning power on damaged fasteners
- Welded pivot pin reinforces socket wall and allows full 30° of uninterrupted, smooth action for efficient power transfer at any angle with no loss in torque output
- Manufactured from the highest quality proprietary steel, providing optimum strength and durability



208ES10MMY



208ES13MMY

FLANK DRIVE® UNIVERSAL SOCKETS



FUM18A



206FSUMA



Set Contains:

206FSUMA
206FUMY

Shallow, mm, Chrome

Hex Size	6	12	A	B	C	D	E	6	12
8	FSUM8A	—	11.4	18	9	41.1	6.4		
10	FSUM10A	FUM10A	14.3	18	9	41.1	6.4	*	*
11	FSUM11A	—	15.3	18	9	41.1	7.1		
12	FSUM12A	FUM12A	16.7	18	11	43.2	7.9	*	*
13	FSUM13A	FUM13A	18	18	9.4	43.2	7.9	*	*
14	FSUM14A	FUM14A	18.6	18	11.7	45.5	8.9	*	*
15	FSUM15A	FUM15A	20.3	18.7	10	45.7	8.9	*	*
16	FSUM16A	FUM16A	21.1	18.7	10.9	46.7	10.2		*
17	FSUM17A	FUM17A	22.8	18.7	12.4	48.8	10.4	*	*
18	FSUM18A	FUM18A	24.2	18.7	12.4	48.8	10.7		*
19	FSUM19A	FUM19A	26.1	18.7	14.2	50.5	11.7		*
22	FSUM22A	—	29.1	18.9	16.1	53.8	13		

Sets include storage tray



FU26B



206AFSA



Set Contains:

206AFSA
212FUY
206FUA

Shallow, Inches, Chrome

Hex Size	6	12	A	B	C	D	E	6	12	18
5/16	FS10C	FU10C	31/64	23/32	55/64	1-5/8	1/4		*	
3/8	FS12C	FU12C	17/32	23/32	55/64	1-5/8	1/4		*	
7/16	FS14C	FU14C	41/64	23/32	55/64	1-5/8	17/64	*	*	*
1/2	FS16C	FU16C	23/32	23/32	15/16	1-11/16	17/64	*	*	*
9/16	FS18B	FU18B	25/32	3/4	1-1/32	1-13/16	21/64	*	*	*
5/8	FS20B	FU20B	27/32	3/4	1-1/32	1-13/16	23/64	*	*	*
11/16	FS22B	FU22B	15/16	3/4	1-11/64	1-15/16	25/64	*	*	*
3/4	FS24B	FU24B	1	3/4	1-7/32	2	27/64	*	*	*
13/16	—	FU26B	1-1/16	3/4	1-9/32	2-1/16	15/32		*	
7/8	—	FU28B	1-5/32	3/4	1-9/32	2-1/16	33/64		*	
15/16	—	FU30A	1-1/4	3/4	1-33/64	2-9/32	35/64		*	
1	—	FU32A	1-5/16	3/4	1-33/64	2-9/32	9/16		*	

Sets shown include magnetic storage tray
ASME®/ANSI® B107.5m



- Do not use chrome or industrial brass hand tools with power drivers or impact drivers.
- Frequently inspect, clean and lubricate all non-sealed ratchet mechanisms with light oil.
- Read Safety Precautions on pages W1-W4.

FLANK DRIVE® UNIVERSAL SOCKETS



Deep, mm, Chrome

mm	6	Set Contains:					6
		A	B	C	D	E	
8	SFSUM8	11.5	18.3	42.5	61.9	6.7	
10	SFSUM10	14.3	18.3	42.5	61.9	7.5	•
11	SFSUM11	15.5	18.3	27.0	61.9	9.5	
12	SFSUM12	17.1	18.3	27.0	61.9	9.5	•
13	SFSUM13	18.3	18.3	26.2	61.1	8.3	•
14	SFSUM14	18.8	18.3	26.2	61.1	9.1	•
15	SFSUM15	20.6	19.1	25.0	61.9	9.5	•
16	SFSUM16	21.4	19.1	25.0	61.9	10.3	
17	SFSUM17	23.0	19.1	22.6	61.9	10.7	•
18	SFSUM18	24.6	19.1	22.6	61.9	10.7	
19	SFSUM19	25.4	19.1	22.6	61.9	11.9	

Set includes storage tray

Deep, Inches, Chrome

Inches	6	12	Set Contains:					6
			A	B	C	D	E	
3/8	FSU12	FDSU12A	9/16	11/16	—	2-13/32	3/8	•
7/16	FSU14	FDSU14A	5/8	11/16	2-13/32	7/16		•
1/2	FSU16	FDSU16A	23/32	11/16	2-13/32	15/32		•
9/16	FDSU18	—	25/32	3/4	1-15/64	2	3/8	•
5/8	FDSU20	—	27/32	3/4	1-5/16	2-3/32	15/32	•
11/16	FDSU22	—	15/16	3/4	1-25/64	2-5/32	33/64	•
3/4	FDSU24	—	1	3/4	1-15/32	2-1/4	39/64	•
9/16	—	FSU18	25/32	3/4	63/64	2-7/16	33/64	
5/8	—	FSU20	27/32	3/4	63/64	2-7/16	35/64	
11/16	—	FSU22	15/16	3/4	57/64	2-7/16	35/64	
3/4	—	FSU24	1	3/4	57/64	2-7/16	35/64	

Set includes storage tray

TORX® SOCKETS



207RFLE

Low-Profile TORX®

#	Stock No.	A	B	C	
E8	RFLE80	17.2	11.4	17.3	•
E10	RFLE100	17.2	12.8	20.6	•
E11	RFLE110	17.2	14.3	21.1	•
E12	RFLE120	17.2	15.6	21.7	•
E14	RFLE140	17.2	16.9	23.0	•
E16	RFLE160	17.9	18.7	24.3	•
E18	RFLE180	19.5	20.3	25.4	•

Set shown includes magnetic storage tray



213AFLE

Shallow TORX®, Chrome

#	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

Sets shown include magnetic storage tray

213AFLE 13 pc Combination Drive TORX® Shallow Socket Set

- Includes (6) 1/4" drive (E4–E10), (3) 3/8" drive (E11–E14) and (4) 1/2" drive (E16–E24) TORX® shallow sockets in a magnetic storage tray
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean
- Manufactured from special alloy steel and treated for optimum strength and durability
- Use of a standard TORX® bit socket on a TORX Plus® fastener may result in a rounded out fastener head or damaged bit socket

210AFLE 10 pc Combination Drive TORX® Shallow Socket Set

- Includes (10) sockets—1/4" drive (E4–E8) and 3/8" drive (E10–E18)

TORX® SOCKETS



FLEP180



TORX Plus®, Chrome

#	Stock No.	A	B	C
EP18	FLEP180	3/4	13/16	1-5/16

FLEP180 3/8" Drive TORX Plus® EP18 Socket

- Use to remove seat hold-down nuts on 1999 and later GM® full-size pickup trucks
- 3/8" square drive



FLEL80



Long TORX®, Chrome

#	Stock No.	A	B	C
EB	FLEL80	19/32	7/16	5



FLCE120



Shallow TORX® with Countersink

#	Stock No.	A	B	C
E12	FLCE120	18/32	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 3/8" Drive TORX® E12 Socket with Countersink

- Use to remove/install fasteners that hold window regulators in place for BMW® 5 and 7 Series

FLCE140 3/8" Drive TORX® E14 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 3/8" Drive TORX® E16 Socket with Countersink

- For cam sprocket on 2.5L FB engine on 2011 and current Subaru® Forester® vehicles
- For camshaft timing gear assembly on various 2012 Toyota® vehicles

- Similar to Toyota® special tool number 09013-1C560

FLCE180 3/8" Drive TORX® E18 Socket with Countersink

- For spider gear in the rear differential on a 2010-current Chevrolet® Camaro® vehicles



GFLEPL80



FLEPL140



TORX Plus® with Countersink

#	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



FSE180



Universal TORX®, Chrome

#	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	1-1/4	2-1/32
E18	FSE180	13/16	3/4	1-5/4	2-1/32
E20	FSE200	15/16	3/4	1-19/64	2-3/32



SFLE120

Deep TORX®

Stock No.	Description
SFLE120	3/8" Drive TORX® E12 Deep Socket



- Do not use chrome or industrial finish tools with power drivers or impact drivers.
- Do not use "cheater bars" on handles.
- Read Safety Precautions on pages W1-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, 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 6- and 12-point fasteners with an advantage similar to the Snap-on® Flank Drive® wrenching system.



FES120B

Shallow, Inches, Chrome (3/8")



		Stock No.	A	B	C	D	E
#12 (3/8)	3/8	FES120B	17/32	21/32	15/32	1-1/16	11/32
#14 (7/16")	7/16	FES140B	5/8	11/16	1/2	1-3/32	7/16
#16 (1/2")	1/2	FES160B	23/32	23/32	—	1-3/32	25/64
#18 (9/16")	9/16	FES180B	13/16	13/16	—	1-3/32	15/32
#20 (5/8")	5/8	FES200B	7/8	7/8	—	2-3/8	9/16


209TFES 9 pc Combination Drive SAE Shallow Spline Socket Set



- Includes 1/4" drive TES7B–TES10B and 3/8" drive FES120B–FES200B Shallow Spline Sockets (9 pc) (#7–20, 7/32–5/8") in magnetic socket tray



FEL120B

Deep, Inches, Chrome (3/8")



		Stock No.	A	B	C	D	E
#12 (3/8)	3/8	FEL120B	17/32	21/32	1-17/32	2-1/8	11/32
#14 (7/16")	7/16	FEL140B	5/8	11/16	1-17/32	2-1/8	7/16
#16 (1/2")	1/2	FEL160B	23/32	23/32	1-5/8	2-1/8	7/16
#18 (9/16")	9/16	FEL180B	13/16	13/16	—	2-3/8	15/32
#20 (5/8")	5/8	FEL200B	7/8	7/8	—	2-3/8	9/16


207TFEL 7 pc Combination Drive SAE Deep Spline Socket Set



- Includes 1/4" drive TEL7B–TEL10B and 3/8" drive FEL120B–FEL200B Deep Spline Sockets (7 pc) (#7–20, 7/32–5/8") in magnetic socket tray



FELM10B

Deep, Metric, Chrome (3/8")






		Stock No.	A	B	C	D	E
#10 (5/16)	10	FELM10B	14.5	16.8	40.4	54.0	10.0



FESU120B

Shallow Universal, Inches, Chrome (3/8")




		Stock No.	A	B	C	D	E
#12 (3/8)	3/8	FESU120B	9/16	3/4	5/8	1-31/32	11/32
#14 (7/16")	7/16	FESU140B	21/32	3/4	11/16	2-1/32	13/32
#16 (1/2")	1/2	FESU160B	3/4	3/4	11/16	2-1/16	7/16
#18 (9/16")	9/16	FESU180B	23/32	3/4	23/32	2-1/8	7/16

SPECIAL APPLICATION SOCKETS


3/8" DRIVE TOOLS

Double Square, Inches, Chrome

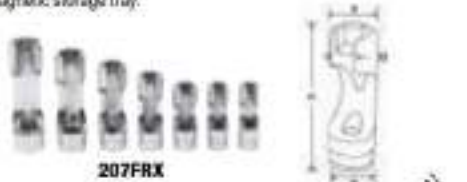
	Stock No.	A	B	C	D	E
1/4	F308	1/2	21/32	3/8	27/32	7/32
5/16	F310	9/16	21/32	3/8	27/32	1/4
3/8	F312	21/32	11/16	15/32	15/16	9/32
7/16	F314	25/32	11/16	17/32	1	5/16
1/2	F316	7/8	25/32	17/32	1	5/16
9/16	F318	1	29/32	19/32	1-1/8	7/16
5/8	F320	1-1/16	21/32	19/32	1-1/8	7/16



Flank Drive® Flare Nut Sockets, 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	•
21	FRXM21	29.89	29.13	89.92	13.46	

Set shown includes magnetic storage tray.



Flank Drive® Flare Nut Sockets, inches

	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	•
7/8	FRX261	1-1/4	1-7/32	3-7/32	21/32	

Set shown includes magnetic storage tray.



Pipe Plug, mm, Chrome

mm	External Stock No.	A	B	Internal Stock No.	A	B
6	PMM406A	16.4	31.0	PMP406A	17.2	25.8
8	PMM408A	17.2	31.0	—	—	—
10	PMM410A	17.2	28.4	PMP410A	16.8	25.4



GF22



Drag Link, Industrial

Applications include use on the engine oil fill cap on Kawasaki® UN1500, UN1600 and UN2000 motorcycles.


Stock No.	A	B	C
GF22	11/16 (17)	7/64	1-1/4



FD120



WEATHERHead® Fittings

	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



• Do not use chrome and industrial finish hand tools with power drivers or impact drivers.
• Read Safety Precautions on pages W1-W4

SPECIAL APPLICATION SOCKETS



211PPPMY

Pipe Plug, Inches, Chrome

	External Stock No.	A	Internal Stock No.	A
3/16	PPM406A	1-1/8		
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	1-5/8	PP412A	1

Set shown includes magnetic storage tray.

211PPPMY 11 pc 3/8" Drive SAE Internal/External Pipe Plug Socket Set

- Includes PPM406A–PPM412A (3/16–3/8") external sockets and PP408A–PP412A (1/4–3/8") internal sockets in a magnetic storage tray
- 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



206PFSXM

Swivel Ball Extension Sockets, mm, Industrial

Set Contains:

	6	12	A	B	C	D	E	6
8	PFSXM908B	—	19.1	11.4	9.5	6.3	243.4	
10	PFSXM910B	—	19.1	14.4	9.5	5.8	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	PFLXM13B	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	•
17	PFSXM917B	—	19.2	24.4	13.4	13.2	241.3	

Set includes storage tray

206PFSXM 6 pc 3/8" Drive 6-Point Metric Swivel Ball Extension Socket Set

- Includes PFSXM910B–PFSXM915B (10–15 mm)
- Applications include transmission pan bolts on Toyota® and Lexus® vehicles; faster and easier intake removal on Volvo® vehicles; several underdash applications
- Great for difficult access where the use of one tool works better than three (socket, swivel and extension)
- Flank Drive® wrenching configuration where the socket grips the fastener on the flanks/flats increasing torque by 15–20%
- Machined from tough alloy steel



TORX® Swivel Ball Extension Sockets, Industrial

Set Contains:

Size	Stock No.	A	B	C	D	E	
E8	PFSXE908B	3/4	7/16	3/8	1/4	9-1/2	•
E10	PFSXE910B	3/4	1/2	3/8	1/4	9-1/2	•
E12	PFSXE912B	3/4	5/8	1/2	3/8	9-1/2	•
E14	PFSXE914B	3/4	5/8	1/2	3/8	9-5/8	•

204PFSXE8R 4 pc 3/8" Drive External TORX® Power Swivel Extension Socket Foam Set

- Great for difficult access where the use of one tool works better than three (socket, swivel and extension)
- 30° uninterrupted swivel action means greater accessibility in tight quarters, allowing for easier, faster removal of stubborn fasteners, thus saving time
- Laser-welded pivot pin allows smooth, full 30° swivel action for efficient power transfer at any angle with no loss in torque output, prolonging the life of the socket
- Spring-loaded adjustable swivel pre-positions the socket for quick accessibility
- Socket end is manufactured to exact tolerances with a shallow lead-in countersink which ensures a tight fit to regular height and low profile fasteners reducing the chance of slippage or damage
- Manufactured from special alloy steel and heat-treated for optimum strength and durability
- Industrial finish helps protect against corrosion
- Modular foam organizer is designed for maximum tool concentration on the smallest possible footprint and can be reconfigured in the drawer to accommodate new tool sets



204PFSXE8R

FLANK DRIVE® SPARK PLUG SOCKETS

3/8" DRIVE TOOLS

Standard, mm

mm	6	12	Stock No.	A	B	C	Rubber Insert
14 mm	S9714MKL	—	S9714MKL	16.0	19.6	149.2	S9714MK-2
14 mm	S9714MKS	—	S9714MKS	16.0	19.6	66.0	S9714MK-2
18 mm	S9711KA	—	S9711KA	11/16	24.3	66.9	S9706KARI
14 mm	—	S9714MK	S9714MK	16.0	19.6	66.0	S9714MK-2
14 mm	—	S9714MKDEU	S9714MKDEU	16.0	19.6	66.0	S9714MK-2
14 mm	—	S9714MKDL	S9714MKDL	16.0	19.6	149.2	S9714MK-2
16 mm	—	S9716MKDL	S9716MKDL	5/8	22.4	101.6	S9706KARI

ANSI® B107.34M



Ball Joint Swivel

mm	6	A	C	Rubber Insert
13/16	S9709KB	3/8	3-25/32	S9705A2
5/8	S9710KC	3/8	3-25/32	S9706KARI



Universal

#	6	12	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
9/16"	S9716KFUA	—	3/8	3/4	2-15/16	S9714MK-2
14 mm	S9714MKFUA	—	3/8	25/32	3-1/8	S9714MK-2
14	—	S9714MKDFUA	3/8	25/32	3-1/8 (79.5)	S9714MK-2
5/8	S9706KFUAMAG	—	3/8	27/32	3-3/4	S9706KARI



TORQUE ADAPTORS



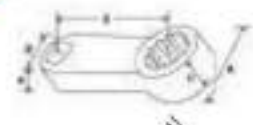
208FRDHM



208FRDHM



208FRDH



208FRDH

Standard, mm, Chrome (3/8")

Working Torque, in-lb	mm	12	A	B	C	D	E	12
212	8	FRDH08	12.1	19.1	6.2	10.9	50.8	
420	10	FRDH10	17.1	18.8	7.8	11.0	50.8	•
690	12	FRDH12	18.8	18.8	8.2	11.0	50.8	•
720	13	FRDH13	21.0	18.8	7.8	11.0	50.8	•
1,000	14	FRDH14	21.0	18.8	9.4	11.0	50.8	•
1,200	15	FRDH15	25.1	18.8	7.8	11.0	50.8	•
1,400	16	FRDH16	22.6	18.8	11.0	11.0	50.8	•
804	17	FRDH17	25.1	18.8	12.4	10.9	50.8	
1,400	18	FRDH18	22.4	18.8	13.3	11.0	50.8	•
1,400	19	FRDH19	27.4	18.8	13.3	11.0	50.8	•
2,800	21	FRDH21	30.9	18.8	10.9	10.9	50.8	
2,800	22	FRDH22	32.7	18.8	11.8	11.0	50.800	

Set Contains:

Standard, Inches, Chrome (3/8")

Working Torque, in-lb	mm	12	A	B	C	D	E	12
190	5/16	FRDH101	0.475	.750	.14	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	•
2,000	7/8	FRDH261	1.28	3/4	7/16	7/16	2.0	
2,706	15/16	FRDH301	1.374	.750	7/16	7/16	2	

Set Contains:



• Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
• Read Safety Precautions on page W1-W4.

TORQUE ADAPTORS



206FRHLM1015



206FRHLM1621

Flare Nut, mm, Chrome (3/8")

- Flare nut torque adaptor geometry allows for simplified access and better engagement on line nuts
- Square drive geometry and consistent two inch center-to-center distance allows for reliable torque application with the use of a torque wrench
- Nickel-chrome finish helps protect against corrosion and makes it easy to wipe clean
- Heat treated for optimum strength and durability

Set Contains:

206FRHLM1015
206FRHLM1621

Working Torque, in-lb	mm	Stock No.	A	B	C	D	E	
320	10	FRHLM10	19.736	18.796	9.144	9.144	50.800	•
400	11	FRHLM11	21.031	18.796	9.144	9.144	50.800	•
480	12	FRHLM12	22.352	18.796	9.144	9.144	50.800	•
560	13	FRHLM13	23.673	18.796	9.144	9.144	50.800	•
640	14	FRHLM14	25.0	18.796	11.430	11.430	50.800	•
720	15	FRHLM15	26.314	18.796	11.430	11.430	50.800	•
800	16	FRHLM16	27.610	18.796	11.430	11.430	50.800	•
880	17	FRHLM17	28.931	18.796	12.192	12.192	50.800	•
960	18	FRHLM18	30.251	18.796	12.192	12.192	50.800	•
1,040	19	FRHLM19	31.623	18.796	12.192	12.192	50.800	•
1,120	20	FRHLM20	32.654	18.796	14.478	14.478	50.800	•
1,200	21	FRHLM21	33.706	18.796	14.478	14.478	50.800	•



FTA35

Torque Adaptor

FTA35 3/8" Drive Female/Male Torque Adaptor

- 3.5" center-to-center

SPLINE TORQUE ADAPTORS



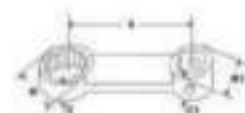
FRESL24

Spline, Low-Profile, inches

- Precision crafted from special alloy steel and heat treated for optimum strength and durability
- Nickel-chrome finish helps protect against corrosion and makes it easy to wipe clean
- Unique spline wrenching configuration can be used on ordinary 6- and 12-point fasteners
- Ideal for use with torque wrenches
- Will save time and avoid clearance issues when working on propeller assemblies
- Works on a wide variety of Lycoming® and Continental® engines used in Piper®, Cessna® and Mooney® aircraft

Working Torque, in-lb	mm	Stock No.	A	B	C	D	E
224	7/16	FRESL14	3/4 (19.05)	3/4 (19.05)	3/16 (4.76)	7/16 (11.11)	2 (50.8)
312	1/2	FRESL16	25/32 (19.84)	3/4 (19.05)	3/16 (4.76)	7/16 (11.11)	2 (50.8)
360	9/16	FRESL18	13/16 (20.64)	3/4 (19.05)	3/16 (4.76)	7/16 (11.11)	2 (50.8)
480	5/8	FRESL20	20/32 (22.8)	47/64 (18.8)	3/16 (4.7)	7/16 (10.9)	2 (50.8)
556	11/16	FRESL22	1 (25.1)	47/64 (18.8)	3/16 (4.7)	7/16 (10.9)	2 (50.8)
465	3/4	FRESL24	1-5/64 (50.2)	3/4 (19.05)	7/16 (11.11)	3/16 (4.76)	2 (50.8)
616	7/8	FRESL28	1-1/4 (31.75)	3/4 (19.05)	7/16 (11.11)	3/16 (4.76)	2 (50.8)
888	15/16	FRESL30	1-5/16 (33.9)	47/64 (18.8)	3/16 (4.7)	7/16 (10.9)	2 (50.8)

Spline, Inches, Chrome (3/8")



FRES10

Working Torque, in-lb	mm	Stock No.	A	B-B1	C-C1
140	7/32	FRES7	2	.375-.750	1/4-7/16
196	1/4	FRES8	2	.400-.750	1/4-7/16
220	9/32	FRES9	2	.445-.750	1/4-7/16
250	5/16	FRES10	2	.490-.750	1/4-7/16
515	3/8	FRES12	2	.590-.750	5/16-7/16
675	7/16	FRES14	2	.690-.750	5/16-7/16
1,575	1/2	FRES16	2	.745-.750	5/16-7/16
1,750	9/16	FRES18	2	.825-.750	3/8-7/16
1,750	5/8	FRES20	2	.895-.750	3/8-7/16
1,750	11/16	FRES22	2	.957-.750	1/2-7/16
1,750	3/4	FRES24	2	1.08-.750	9/16-7/16

★ TORX®/Standard, Industrial (3/8")

Set Contains:

#	Chrome Stock No.	Industrial Stock No.	A	B	C	D
T27	FTX27E	GFTX27E	1-3/4	45/64	11/16	FTX27E2
T30	FTX30E	GFTX30E	1-3/4	45/64	11/16	FTX30E2
T40	FTX40E	GFTX40E	1-3/4	45/64	11/16	FTX40E2
T45	FTX45E	GFTX45E	2-1/16	1	11/16	FTX45E2
T47	FTX47E	—	2-1/16	1	11/16	FTX47E2
T50	FTX50E	GFTX50E	2-1/16	1	11/16	FTX50E2
T55	FTX55E	GFTX55E	2-1/16	1	45/64	FTX55E2
T60	FTX60E	—	2-7/32	1-17/64	15/16	FTX60E2

Set includes storage tray
*T47 is not a TORX® licensed product.

207EFTXY 7 pc 3/8" Drive TORX® Bit Standard Socket Set

- Includes (7) sockets (FTX27E–FTX55E TORX® sockets) plus FTX47E GM® Style Driver (T27–T55 plus GM® style T47) in a storage tray

212EFTXY 12 pc Combination Drive TORX® Bit Standard Socket Set

- Includes (5) 1/4" drive TORX® drivers (TTX8E–TTX25E), plus (6) 3/8" drive TORX® drivers (FTX27E–FTX55E) and (1) 3/8" drive FTX47E GM®-style driver (T47) in a magnetic storage tray
- High-grade steel for strength and reliability
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean
- Use of a standard TORX® bit socket on a TORX Plus® fastener may result in a rounded out fastener head or damaged bit socket



207EFTXY



212EFTXY



★ TORX®/Long, Chrome (3/8")

#	Stock No.	A	B	C	D
T27	FTXL27E	4-1/4	3-13/64	11/16	FTXL27E2
T30	FTXL30E	4-1/4	3-13/64	11/16	FTXL30E2
T40	FTXL40E	4-1/4	3-13/64	11/16	FTXL40E2
T45	FTXL45E	4-1/4	3-13/64	11/16	FTXL45E2
T50	FTXL50E	4-1/4	3-13/64	11/16	FTXL50E2

210EFTXL 10 pc Combination Drive TORX® Bit Long Socket Set

- Includes 1/4" drive TTXL8E–TTXL25E (T8–T25) and 3/8" drive FTXL27E–FTXL50E (T27–T50) in a storage tray
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean
- Manufactured from special alloy steel and treated for optimum strength and durability
- Use of a standard TORX® bit socket on a TORX Plus® fastener may result in a rounded out fastener head or damaged bit socket



FTXL27E



★ TORX®/Tamper-Resistant, Chrome (3/8")

#	Stock No.	A	B	C	D
T27	FTXR27E	1-49/64	45/64	11/16	FTXR27E2
T30	FTXR30E	1-49/64	45/64	11/16	FTXR30E2
T40	FTXR40E	1-49/64	45/64	11/16	FTXR40E2
T45	FTXR45E	2-1/16	1	11/16	FTXR45E2
T50	FTXR50E	2-1/16	1	11/16	FTXR50E2

210EFTXRY 10 pc Combination Drive TORX® Bit Tamper-Resistant Socket Set

- Includes 1/4" drive TTXR8E–TTXR25E (T8–TR25) and 3/8" drive FTXR27E–FTXR50E (TR27–TR50) in a magnetic storage tray
- Two piece pinless design holds bit securely in socket while facilitating quick bit replacement
- Cold-formed socket delivers a strong, durable tool
- Nickel-chrome alloy finish resists against rust and corrosion



FTXR27E



210EFTXRY



• Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
• Read Safety Precautions on pages W1–W4

TORX® BIT SOCKETS



209EFTXSE



★ TORX®/Stubby, Chrome (3/8")

Set Contains:

#	Stock No.	A	B	C	D	
T27	FTX27SE	1-13/32	11/32	11/16	FTX27SE2	•
T30	FTX30SE	1-13/32	11/32	11/16	FTX30SE2	•
T40	FTX40SE	1-13/32	11/32	11/16	FTX40SE2	•
T45	FTX45SE	1-13/32	11/32	11/16	FTX45SE2	•
T47	FTX47SE*	1-13/32	11/32	11/16	FTX47SE2	•
T50	FTX50SE	1-13/32	11/32	11/16	FTX50SE2	•
T55	FTX55SE	1-29/64	25/64	45/64	FTX55SE2	•

Set shown includes magnetic storage tray.
*T47 is not a TORX® licensed product.



FTXB27E



★ TORX®/Heavy-Duty Removal, Chrome (3/8")

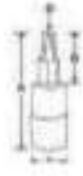
#	Stock No.	A	B	C	D
T27	FTXB27E	1-49/64	45/64	11/16	FTXB27E2
T30	FTXB30E	1-49/64	45/64	11/16	FTXB30E2
T40	FTXB40E	1-49/64	45/64	11/16	FTXB40E2
T45	FTXB45E	2-1/16	1	11/16	FTXB45E2
T50	FTXB50E	2-1/16	1	11/16	FTXB50E2
T55	FTXB55E	2-1/32	31/32	45/64	FTXB55E2

209EFTXBY 9 pc Combination Drive TORX® Bit Heavy-Duty Removal Socket Set

- Includes 1/4" drive TTXB15E-TTXB25E (T15-T25) and 3/8" drive FTXB27E-FTXB50E (T27-T55) in a magnetic storage tray
- Tapered profile provides better engagement on stubborn fasteners
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean
- Manufactured from special alloy steel and treated for optimum strength and durability
- Use of a standard TORX® bit socket on a TORX Plus® fastener may result in a rounded out fastener head or damaged bit socket



211EFTXRTPY



★ TORX Plus®/Tamper-Resistant, Chrome (3/8")

#	Stock No.	A	B	C	D
T27	FTXR27TPE	1-49/64	45/64	11/16	FTXR27TPE2
T30	FTXR30TPE	1-49/64	45/64	11/16	FTXR30TPE2
T40	FTXR40TPE	1-49/64	45/64	11/16	FTXR40TPE2
T45	FTXR45TPE	2-1/32	31/32	11/16	FTXR45TPE2
T50	FTXR50TPE	2-9/64	1-5/64	45/64	FTXR50TPE2
T55	FTXR55TPE	2-11/32	1-9/32	15/16	FTXR55TPE2

FTXR40TPE 3/8" Drive TORX Plus® 40IPR Tamper-Resistant Bit Socket Driver

- 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 5.7 L engine
- Five-lobe configuration
- 2 pc 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 11 pc Combination Drive Tamper-Resistant TORX Plus® Socket Driver Set

- Includes 1/4" drive (8IPR-55IPR) and 3/8" Drive (27IPR-55IPR)
- Applications: 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
- Includes magnetic storage tray

Combination Bit Socket Sets

237HEXTORXST 37 pc Combination Drive Socket Driver Set

- Up to 20% stronger than 1 pc bit designs and up to twice ANSI® proof load
- Heat-treated for strength and durability
- Precise fit to fasteners and multiple detents for secure drive attachment
- Includes:
 - (5) 1/4" Drive Standard TORX® Bit Sockets
 - (7) 3/8" Drive Standard TORX® Bit Sockets
 - (7) 3/8" Drive Stubby TORX® Bit Sockets
 - (3) 3/8" Drive Triple Square Drivers
 - (7) 3/8" Drive Metric Hex Bit Sockets
 - (4) 1/4" Drive Stubby Metric Hex Bit Sockets
 - (4) 3/8" Drive Stubby Metric Hex Bit Sockets



237HEXTORXST



GFTX500E



TORX®/Special Application, Chrome (3/8")

#	Stock No.	Description	A	B	C	D
T40	FTXEL40E	3/8" Drive TORX® T40 Extra-Long Bit Socket Driver	7-1/2	6-7/16	11/16	FTXEL40E2
T45	FTXEL45E	3/8" Drive TORX® T45 Extra-Long Bit Socket Driver	7-11/16	6-5/8	11/16	FTXEL45E2
T40	FTXR40TPE	3/8" Drive TORX Plus® 40PR Tamper-Resistant Bit Socket Driver	1-49/64	45/64	11/16	FTXR40TPE2
T30	FTXEL30TPE	3/8" Drive TORX Plus® T30 Extra-Long Bit Socket Driver	6	3-13/32	11/16	FTXEL30TPE2

FTXEL30TPE 3/8" Drive TORX Plus® T30 Extra-Long Bit Socket Driver

- 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

FTXEL40E 3/8" Drive TORX® T40 Extra-Long Bit Socket Driver

- Applications include service on intake manifold bolts on Ford® 5.0 L engines with fuel injection, model years 1985-1990

FTXEL45E 3/8" Drive TORX® T45 Extra-Long Bit 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 4 diesel engines
- 3/8" square drive
- Various applications on European vehicles

GFTX500E 3/8" Drive T47 GM®-Style Bit Socket Driver

- For use on GM® door strikers and seat belt bolts

TORX Plus®/Chrome (3/8")

#	Stock No.	A	B	C	D
T27	FTX27TPE	1-49/64	45/64	11/16	FTX27TPE2
T30	FTX30TPE	1-49/64	45/64	11/16	FTX30TPE2
T40	FTX40TPE	1-49/64	45/64	11/16	FTX40TPE2
T45	FTX45TPE	2-9/64	1-3/64	11/16	FTX45TPE2
T50	FTX50TPE	2-9/64	1-5/64	45/64	FTX50TPE2
T55	FTX55TPE	2-27/64	1-23/64	15/16	FTX55TPE2



FTX27TPE



211EFTXTPY



211EFTXTPY 11 pc Combination Drive TORX Plus® Bit Socket Driver Set

- Includes 1/4" drive (81P-251P) and 3/8" drive (271P-551P) in a magnetic storage tray
- TORX Plus® fasteners may be found in most vehicles from 1999-present
- Common applications include GM® transmission bell housing bolts, Ford® seat belt anchors, and Ford® 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



• Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
 • Read Safety Precautions on pages W1-W4

METRIC HEX BIT SOCKETS



211EFAMY



Hex/Standard, mm,
Chrome (3/8")

Set
Contains:

211EFAMY
207EFAMY

mm		A	B	C	D		
2	FAM2E	51.1	24.1	17.2	FAM2E2		
2.5	FAM2.5E	51.1	24.1	17.2	FAM2.5E2		
3	FAM3E	51.1	24.1	17.2	FAM3E2		
4	FAM4E	52.3	25.4	17.2	FAM4E2	*	*
5	FAM5E	52.3	25.4	17.2	FAM5E2	*	*
6	FAM6E	52.8	25.4	17.2	FAM6E2	*	*
7	FAM7E	52.8	25.7	17.2	FAM7E2	*	*
8	FAM8E	52.3	25.4	17.2	FAM8E2	*	*
9	FAM9E	52.8	25.7	17.2	FAM9E2	*	*
10	FAM10E	52.8	25.7	17.2	FAM10E2	*	*
11	FAM11E	66.2	39.2	17.2	FAM11E2	*	
12	FAM12E	66.7	39.8	20.2	FAM12E2	*	
13	FAM13E	67.7	40.8	20.2	FAM13E2	*	
14	FAM14E	67.7	40.8	24	FAM14E2	*	

Sets shown include magnetic storage tray

210EFTAMY 10 pc Combination Drive Metric Standard Hex Bit Socket Set

- Includes 1/4" drive TMAM2E–TMAM3E (2–3 mm) and 3/8" drive FAM4E–FAM10E (4–10 mm) in a magnetic storage tray



FAMXS10E

208EFTAMXSY



Hex/Stubby, mm, Chrome (3/8")

mm		A	B	C	D
7	FAMXS7E	34.8	7.9	17.2	FAMXS7E2
8	FAMXS8E	35.8	8.9	17.2	FAMXS8E2
9	FAMXS9E	36.8	9.9	17.2	FAMXS9E2
10	FAMXS10E	37.8	10.9	17.2	FAMXS10E2

208EFTAMXSY 8 pc Combination Drive Metric Hex Bit Stubby Socket Driver Set

- Includes 1/4" drive TMAMXS3E–TMAMXS6E (3–6 mm) and 3/8" drive FAMXS7E–FAMXS10E (7–10 mm) in a magnetic storage tray
- Short bit length for use in limited-access spaces
- Sockets are manufactured from special alloy steel that provides long life and great strength
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe socket clean



206EFAML



Hex/Long, mm, Chrome (3/8")

Set
Contains:

206EFAML

mm		A	B	C	D	
4	FAML4E	153.9	127.0	17.2	FAML4E2	*
5	FAML5E	153.9	127.0	17.2	FAML5E2	*
6	FAML6E	154.2	127.3	17.2	FAML6E2	*
7	FAML7E	154.2	127.3	17.2	FAML7E2	*
8	FAML8E	153.9	127.0	17.2	FAML8E2	*
10	FAML10E	153.9	127.0	17.2	FAML10E2	*



FABM10E

208EFTABMY



Ball Hex/Standard, mm, Chrome (3/8")

mm		A	B	C	D
7	FABM7E	52.8	25.7	17.2	FABM7E2
8	FABM8E	52.8	25.7	17.2	FABM8E2
9	FABM9E	52.8	25.7	17.2	FABM9E2
10	FABM10E	52.8	25.7	17.2	FABM10E2

208EFTABMY 8 pc Combination Drive Metric Ball Hex Bit Socket Set

- Includes 1/4" drive TMABM3E–TMABM6E (3–6 mm), 3/8" drive FABM7E–FABM10E (7–10 mm) in a magnetic storage tray
- Ball end of bit makes it easier to insert bit into fastener, especially in blind-access applications
- Sockets are manufactured from special alloy steel that provides long life and great strength
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe socket clean

METRIC HEX BIT SOCKETS

3/8" DRIVE TOOLS

Ball Hex/Long, mm, Chrome (3/8")



206EFABLM

Set Contains:

mm	Diagram	A	B	C	D	
4	FABLM4E	128.5	101.6	17.2	FABLM4E2	*
5	FABLM5E	128.5	101.6	17.2	FABLM5E2	*
6	FABLM6E	128.5	101.6	17.2	FABLM6E2	*
7	FABLM7E	128.5	101.6	17.2	FABLM7E2	*
8	FABLM8E	128.5	101.6	17.2	FABLM8E2	*
10	FABLM10E	128.5	101.6	17.2	FABLM10E2	*

Set includes storage tray

206EFABLM 6 pc 3/8" Drive Metric Long Ball Hex Bit Socket Set

- Includes FABLM4E–FABLM10E (4–10 mm) in a plastic storage tray
- Extra-long bit length provides increased reach in limited-access spaces
- Ball-end of bit makes it easier to insert bit into fastener, especially in blind access application
- Sockets are manufactured from special alloy steel that provides long life and great strength
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe socket clean



FADMBE

Double Hex/Standard, mm, Chrome (3/8")

- Double Hex Socket Drivers and Triple Square Socket Drivers cannot be interchanged between applications
- Triple square hex sockets have 90° corners and double hex bit sockets 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	Diagram	A	B	C	D
6	FADMBE	74.6	24.3	17.2	FADMBE2
8	FADMBLE	121.9	25	16	FADMBLE2

HEX BIT SOCKETS



GFA10E

208EFAY

Hex/Standard, inches (3/8")

Diagram	Diagram	A	B	C	D	Fits These Cap Screws	Fits These Set Screws	Diagram	Diagram	
1/8	FA4E	GFA4E	2-1/16	1	11/16	TMA4E2	—	1/4"	*	*
9/64	FA4.5E	GFA4.5E	2-1/16	9/64	11/16	TMA4.5E2	#8	—	*	*
5/32	FA5E	GFA5E	2-1/16	1	11/16	FA5E2	#10	5/16"	*	*
3/16	FA6E	GFA6E	2-1/16	1	11/16	FA6E2	1/4"	3/8"	*	*
7/32	FA7E	GFA7E	2-1/16	1-1/64	11/16	FA7E2	—	7/16"	*	*
1/4	FA8E	GFA8E	2-1/16	1-1/64	11/16	FA8E2	5/16"	1/2"	*	*
5/16	FA10E	GFA10E	2-1/16	1	11/16	FA10E2	3/8"	5/8"	*	*
3/8	FA12E	GFA12E	2-3/32	1-1/32	11/16	SA12E2	7/16" and 1/2"	3/4"	*	*

Sets include storage tray



FAXS10E

208EFTAXSY

Hex/Stubby, Inches, Chrome (3/8")

Diagram	Diagram	A	B	C	D
7/32	FAXS7E	1-5/16	1/4	11/16	FAXS7E2
1/4	FAXS8E	1-11/32	9/32	11/16	FAXS8E2
5/16	FAXS10E	1-13/32	11/32	11/16	FAXS10E2
3/8	FAXS12E	1-15/32	13/32	11/16	FAXS12E2

212EFTAY 12 pc Combination Drive SAE Standard Hex Driver Bit Socket Set

- Includes 1/4" drive TMA2E–TMA3E (1/16–3/32") and 3/8" drive FA4E–FA12E (1/8–3/8") in a magnetic storage tray
- Indispensable sockets for a wide variety of applications in automotive (foreign and domestic), aviation and industrial settings
- Sockets are manufactured from special alloy steel that provides long life and great strength
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe socket clean

208EFTAXSY 8 pc Combination Drive SAE Hex Bit Stubby Socket Driver Set

- Includes 1/4" drive TMAXS4E–TMAXS6E (1/8–3/16") and 3/8" drive FAXS8E–FAXS12E (1/4–3/8") in a magnetic storage tray
- Short bit length for use in limited-access spaces
- Sockets are manufactured from special alloy steel that provides long life and great strength
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe socket clean



WARNING



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1–W4.

HEX BIT SOCKETS



206EFAL



Hex/Long, Inches, Chrome (3/8")

Set Contains:

Size	Part No.	A	B	C	D	Fits These Cap Screws	Fits These Set Screws
5/32	FASLE	6-1/16	5	11/16	FASLE2	#10	5/16"
3/16	FABLE	6-9/64	5-5/64	11/16	FABLE2	1/4"	3/8"
7/32	FATLE	6-9/64	5-5/64	11/16	FATLE2	—	7/16"
1/4	FABLE	6-9/64	5-5/64	11/16	FABLE2	5/16"	1/2"
5/16	FA10LE	6-1/16	5	11/16	FA10LE2	3/8"	5/8"
3/8	FA12LE	6-3/32	5-1/32	11/16	FA12LE2	1/4"	3/4"

Set includes storage tray



206EFABL



Ball Hex/Long, Inches, Chrome (3/8")

Set Contains:

Size	Part No.	A	B	C	D	Fits These Cap Screws	Fits These Set Screws
5/32	FABL5E	5-1/16	4	11/16	FABL5E2	—	—
3/16	FABL6E	5-1/64	3-61/64	11/16	FABL6E2	—	—
7/32	FABL7E	5-1/16	1-1/16	11/16	FABL7E2	—	—
1/4	FABL8E	5-1/16	1-1/16	11/16	FABL8E2	—	—
5/16	FABL10E	5-1/16	1-1/16	11/16	FABL10E2	—	—
3/8	FABL12E	5-1/16	1-1/16	11/16	FABL12E2	—	—

Set includes storage tray



FAB10E



208EFTABY



Ball Hex/Standard, Inches, Chrome (3/8")

Size	Part No.	A	B	C	D
7/32	FAB7E	2-1/16	1-1/64	11/16	FAB7E2
1/4	FAB8E	2-1/16	1-1/64	11/16	FAB8E2
5/16	FAB10E	2-3/32	1-1/32	11/16	FAB10E2
3/8	FAB12E	2-3/32	1-1/32	11/16	FAB12E2

208EFTABY 8 pc Combination Drive SAE Standard Ball Hex Bit Socket Set

- Includes 1/4" drive TMAB4E-TMAB6E (1/8-3/16") and 3/8" drive FAB7E-FAB12E (7/32-3/8"), in a magnetic storage tray
- Ball end of bit makes it easier to insert bit into fastener, especially in blind access applications
- Sockets are manufactured from special alloy steel that provides long life and great strength
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe sockets clean

TRIPLE SQUARE BIT SOCKETS



FTSM8LE



Triple Square/Standard, mm, Chrome (3/8")

- Double hex sockets and triple square sockets cannot be interchanged between applications
- 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

Type	mm	Stock No.	A	B	C	D
Standard Length	4	FTSM4E	48.6	21.6	17.2	FTSM4E2
	5	FTSM5E	48.6	21.6	17.2	FTSM5E2
	6	FTSM6E	48.6	21.6	17.2	FTSM6E2
	8	FTSM8E	58.1	31.2	17.2	FTSM8E2
Long	10	FTSM10E	68.1	41.2	17.2	FTSM10E2
	12	FTSM12E	101.6	74.7	17.2	FTSM12E2
Long	16	FTSM16E	101.6	74.7	17.2	FTSM16E2
	20	FTSM20E	101.6	74.7	17.2	FTSM20E2

Set includes storage tray

TSS7KIT 7 pc Combination Drive Metric Standard Triple Square Socket Driver Set

- Includes 3/8" drive FTSM6E-FTSM10E (6-10 mm) and STSM12E-STSM18E (12-18 mm) in a storage tray
- Manufactured from special alloy steel, precision forged and heat-treated for optimum strength and durability
- Nickel-chrome alloy finish resists against rust and corrosion

FTSM6E 3/8" Drive Metric 6 mm Standard Triple Square Bit Socket

- Use to remove seat hold-down nuts on 1999 and later GM® full-size pickup trucks; also for use on VW® disc brake calipers

FTSM8E 3/8" Drive Metric 8 mm Standard Triple Square Bit Socket

- Remove and install head and accessory bolts on Mercedes-Benz® and axle shaft bolts on VW® and Audi® vehicles

FTSM10E 3/8" Drive Metric 10 mm Standard Triple Square Bit Socket

- Used for cylinder head bolts and drive shaft bolts on Mercedes-Benz® and remove and install axle shaft bolts on VW® and Audi® vehicles

SPECIAL APPLICATION BIT SOCKETS

Mortorq®/Standard, Industrial (3/8")

#	Stock No.	A	B	C	D
MTS-0	PFMTS0E	1-49/64	45/64	11/16	PFMTS0E2
MTS-1	PFMTS1E	1-49/64	45/64	11/16	PFMTS1E2
MTS-2	PFMTS2E	1-15/16	7/8	11/16	PFMTS2E2
MTS-3	PFMTS3E	2-7/64	1-1/32	11/16	PFMTS3E2
MTS-4	PFMTS4E	2-7/64	1-1/32	11/16	PFMTS4E2



PFMTS2E



PFMTS4E



PFMTS4E 3/8" Drive Mortorq® MTS-4 Pinless Bit Socket Driver

- Use to remove/install the bolts that secure the bell housing to the transmission on GM® 4L60 transmissions
- Manufactured from special alloy steel and heat treated for optimum strength
- Snap-on® bits are designed with precise fit and tight tolerance to prevent slippage and disengagement
- Industrial, black-oxide, finish helps protect against corrosion

PFMTS1E 3/8" Drive Mortorq® MTS-1 Pinless Bit Socket Driver

- Applications: For seat tracks on 2009 Mazda® 6
- Other seat applications: Cadillac® CTS®, Nissan® Maxima® and Altima®

Ribe® Bit Sockets

Size	Stock No.	A	B	C	D
R5	F5RBE	0.679	1	2.07	F5RBE2
R6	F6RBE	0.679	1	2.07	F6RBE2
R8	F8RBE	0.679	1	2.07	F8RBE2
R10	F10RBE	0.706	1	2.07	F10RBE2



F10RBE



FLAT TIP BIT SOCKETS

— Flat Tip (3/8")

	#	Stock No.	Industrial Stock No.	A	B	C	D
Standard Length	1/4 x 1/32	F23E	—	3	1-15/16	11/16	F23E2A
	5/16 x 3/64	F25E	GF25E	3	1-15/16	11/16	F25E2A
	3/8 x 1/16	F31E	GF31E	3-7/16	2-3/8	11/16	F31E2A
Short	1/4 x 1/32	F42E	—	1-53/64	49/64	11/16	F42E2
	5/16 x 1/16	F52E	—	1-13/16	3/4	11/16	F52E2
	3/8 x 1/16	F62E	GF62E	1-7/8	13/16	11/16	F62E2



F23E



F42E



GF25E



PHILLIPS® TIP BIT SOCKETS

+ PHILLIPS® (3/8")

	#	Stock No.	Industrial Stock No.	A	B	C	D
Standard Length	#2	FP22E	GFP22E	2-1/16	1	11/16	FP22E2
	#3	FP32E	—	2-21/64	1-1/4	11/16	FP32E2
	#4	FP41E	—	1-11/16	5/8	11/16	FP41E2
Short	#3	FPS32E	—	1-29/32	27/32	11/16	SP32E2
Long	#2	FP24E	—	4-3/64	3	11/16	FP24E2
	#3	FP34E	—	4-3/64	3	11/16	FP34E2
	#4	FP42E	—	2-9/16	1-1/2	11/16	FP42E2



FP22E



GFP22E



FPS32E



FP34E



POZIDRIV® AND CLUTCH BIT SOCKETS

+ Pozidriv®/Standard, Chrome (3/8")



FPD32E



#	Stock No.	A	B	C	D
#2	FPD22E	2-1/16	1	15/32	FPD22E2
#3	FPD32E	2	15/16	15/32	FPD32E2

Clutch/Standard, Chrome (3/8")



F29E



#	Stock No.	A	B
3/8	F29E	3/8	1-3/4
5/16	F30E	19/64	1-3/4



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4.

IMPACT DRIVERS AND SETS



PIT2230E



234EPIT

Impact Drivers (3/8")

Set
Contains:

Stock No.	Description	PIT2230E	234EPIT
PIT120	3/8" Drive Impact Driver	•	•
F42E	3/8" Drive 1/4" Flat Tip Short Bit Socket Driver	•	
F42E2	1/4" Short Flat Tip Driver Bit	•	
F52E	3/8" Drive 5/16" Flat Tip Short Bit Socket Driver	•	
F52E2	5/16" Short Flat Tip Driver Bit	•	
F62E	3/8" Drive 3/8" Flat Tip Short Bit Socket Driver	•	
F62E2	3/8" Short Flat Tip Driver Bit	•	•
FA6E	3/8" Drive SAE 3/16" Standard Hex Bit Socket Driver	•	
FA6E2	3/16" Standard Hex Driver Bit	•	
FA7E	3/8" Drive SAE 7/32" Standard Hex Bit Socket Driver	•	
FA7E2	7/32" Standard Hex Driver Bit	•	
FA8E	3/8" Drive SAE 1/4" Standard Hex Bit Socket Driver	•	•
FA8E2	1/4" Standard Hex Driver Bit	•	•
FA10E	3/8" Drive SAE 5/16" Standard Hex Bit Socket Driver	•	•
FA10E2	5/16" Standard Hex Driver Bit	•	
FA12E	3/8" Drive SAE 3/8" Standard Hex Bit Socket Driver	•	•
FA12E2	3/8" Standard Hex Driver Bit	•	•
FAM7E	3/8" Drive Metric 7 mm Standard Hex Bit Socket Driver	•	
FAM8E	3/8" Drive Metric 8 mm Standard Hex Bit Socket Driver	•	
FAM8E2	8 mm Standard Hex Driver Bit	•	
FAM9E	3/8" Drive Metric 9 mm Standard Hex Bit Socket Driver	•	
FAM10E	3/8" Drive Metric 10 mm Standard Hex Bit Socket Driver	•	
FAM10E2	10 mm Standard Hex Driver Bit	•	
FTXB30E	3/8" Drive TORX® T30 Heavy-Duty Removal Bit Socket Driver	•	
FTXB40E	3/8" Drive TORX® T40 Heavy-Duty Removal Bit Socket Driver	•	
FTXB45E	3/8" Drive TORX® T45 Heavy-Duty Removal Bit Socket Driver	•	
FTXB50E	3/8" Drive TORX® T50 Heavy-Duty Removal Bit Socket Driver	•	
FTXB55E	3/8" Drive TORX® T55 Heavy-Duty Removal Bit Socket Driver	•	
FTXB55E2	T55 TORX® Heavy-Duty Removal Driver Bit	•	
FTXB30E2	T30 TORX® Heavy-Duty Removal Driver Bit	•	
FTXB40E2	T40 TORX® Heavy-Duty Removal Driver Bit	•	
FTXB50E2	T50 TORX® Heavy-Duty Removal Driver Bit	•	
FP22E	3/8" Drive #2 PHILLIPS® Standard Bit Socket Driver	•	•
FP22E2	#2 PHILLIPS® Standard Driver Bit	•	•

Sets include storage case

PIT2230E 36 pc 3/8" Drive Impact Driver Set

- Includes PIT120 Impact Driver plus all sockets, screwdrivers and replacement bits conveniently displayed in a storage tray that fits in the KRA142 metal box

234EPIT 34 pc 3/8" Drive Impact Driver Set

- Delivers cam action impact when struck with a hammer for loosening or tightening fasteners
- Snap-on® impact sockets are heat treated to optimize impact service life with a lower hardness than hand sockets and are able to withstand repeated cycling loads of impact wrenches

Snapon.com 1.877.762.7664

Set
Contains:

Stock No.	Description	PIT2230E	234EPIT
FP32E	3/8" Drive #3 PHILLIPS® Standard Bit Socket Driver	•	•
FP32E2	#3 PHILLIPS® Standard Driver Bit	•	•
FP532E	3/8" Drive #3 PHILLIPS® Short Socket Driver	•	
FP41E	3/8" Drive #4 PHILLIPS® Standard Bit Socket Driver	•	
FP41E2	#4 PHILLIPS® Standard Driver Bit	•	•
FP42E	3/8" Drive #4 PHILLIPS® Socket Driver	•	
FP42E2	#4 PHILLIPS® Long Driver Bit	•	
F29E	3/8" Drive SAE 3/8" Clutch Bit Socket Driver	•	
F30E	3/8" Drive SAE 5/16" Clutch Socket Driver	•	
FPD32E	3/8" Drive #2 Pozidriv® Tip Bit Socket Driver	•	
IMF120A	3/8" Drive 6-Point SAE 3/8" Flank Drive® Shallow Impact Socket	•	
IMF140A	3/8" Drive 6-Point SAE 7/16" Flank Drive® Shallow Impact Socket	•	
IMF160	3/8" Drive 6-Point SAE 1/2" Flank Drive® Shallow Impact Socket	•	
IMF180	3/8" Drive 6-Point SAE 9/16" Flank Drive® Shallow Impact Socket	•	
IMF200	3/8" Drive 6-Point SAE 5/8" Flank Drive® Shallow Impact Socket	•	
IMF220	3/8" Drive 6-Point SAE 11/16" Flank Drive® Shallow Impact Socket	•	
IMF240	3/8" Drive 6-Point SAE 3/4" Flank Drive® Shallow Impact Socket	•	
IMFA16	3/8" Drive SAE 1/2" Impact Rated Hex Driver		
IMFA18	3/8" Drive SAE 9/16" Impact Rated Hex Driver		
IMFAM12	3/8" Drive Metric 12 mm Impact Rated Hex Driver		
IMFAM14	3/8" Drive Metric 14 mm Impact Rated Hex Driver		
IMFM12	3/8" Drive 6-Point Metric 12 mm Flank Drive® Shallow Impact Socket	•	
IMFM13	3/8" Drive 6-Point Metric 13 mm Flank Drive® Shallow Impact Socket	•	
IMFM14	3/8" Drive 6-Point Metric 14 mm Flank Drive® Shallow Impact Socket	•	
IMFM15	3/8" Drive 6-Point Metric 15 mm Flank Drive® Shallow Impact Socket	•	
IMFM17	3/8" Drive 6-Point Metric 17 mm Flank Drive® Shallow Impact Socket	•	
IMFM18	3/8" Drive 6-Point Metric 18 mm Flank Drive® Shallow Impact Socket	•	
IMFM10A	3/8" Drive 6-Point Metric 10 mm Flank Drive® Shallow Impact Socket	•	
GF22	3/8" Drive 11/16" Blade Width Drag Link Socket	•	
KRA142B	Metal Storage Case		
SAM10E2	10 mm Standard Hex Driver Bit	•	
SP32E2	#3 PHILLIPS® Short Driver Bit	•	
PAKP8070	Plastic Storage Box for 234EPIT	•	

- Flank Drive® wrenching system delivers up to 20% more turning power without slipping or rounding while exceeding ANSI® performance standards
- Snap-on uses a proprietary blend of special alloy socket steel that provides long life and great strength
- Bit sockets bits are made from a high-grade steel for strength and reliability
- Includes PIT120 impact driver plus all sockets, screwdrivers and replacement bits (34 pc) in a storage case
- Bit sockets bits are made from a high-grade steel for strength and reliability

IMPACT DRIVERS AND SETS

Impact Drivers (3/8")

Stock No.	Description	Set Contains:
PIT120	3/8" Drive Impact Driver	•
F42E	3/8" Drive 1/4" Flat Tip Short Bit Socket Driver	•
F52E	3/8" Drive 5/16" Flat Tip Short Bit Socket Driver	•
F62E	3/8" Drive 3/8" Flat Tip Short Bit Socket Driver	•
FP22E	3/8" Drive #2 PHILLIPS® Standard Bit Socket Driver	•
FP32E	3/8" Drive #3 PHILLIPS® Standard Bit Socket Driver	•
FP42E	3/8" Drive #4 PHILLIPS® Long Socket Driver	•
FPD22E	3/8" Drive #2 Pozidriv® Tip Bit Socket Driver	•

Sets include storage case

PIT120 3/8" Drive Impact Driver

- Delivers cam action impact when struck with a hammer for loosening or tightening fasteners
- Industrial finish



IMPACT ACCESSORIES



Extensions/Impact

Stock No.	A	B	Set Contains:
IMX11	1/2	1-3/4	•
IMX31	1/2	3	•
IMX61	1/2	6	•
IMX111	1/2	11	•

Set includes storage tray



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	12



Universal Joints (Impact)

Stock No.	A	B	Retention Type
IPF80B	1	2-1/8	Pin Type
IPF800B	1	2-1/8	Ball Type



Swivel Extensions

- Laser-welded pivot pin allows smooth, full 30° swivel action for efficient power transfer
- Manufactured from special alloy steel and heat treated for optimum strength and durability
- Provides versatility for the technician to use any size shallow, semi-deep, deep, 6-point, 12-point, metric or SAE impact socket

Stock No.	A	B	Set Contains:
IPFX6	9/16	6	•
IPFX9	9/16	9	•

Set shown includes magnetic storage tray.



WARNING



- Wear safety goggles while using impact drivers.
- Do not hold orbital joint during use.
- Read Safety Precautions on pages W1-W3

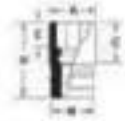
FLANK DRIVE® IMPACT SOCKETS



IMDFM14



214IMFMYA



Shallow, mm

Set Contains:

214IMFMYA

207IMDFMYA

mm	6	12	A	B	C	D	E	6	12
5	IMFM6	IMDFM6	10.3	17.5	15.1	23.0	5.6		
7	IMFM7	IMDFM7	11.9	17.5	15.1	23.0	5.6		
8	IMFM8A	IMDFM8A	13.5	17.5	14.2	26.2	6.4	*	
9	IMFM9A	IMDFM9	15.1	17.5	14.2	26.2	6.4	*	
10	IMFM10A	IMDFM10A	16.7	17.5	14.2	26.2	6.4	*	*
11	IMFM11A	IMDFM11A	17.5	17.5	14.5	27.0	6.4	*	
12	IMFM12	IMDFM12	18.3	18.3	14.9	27.0	6.4	*	*
13	IMFM13	IMDFM13	19.8	19.8	15.1	27.8	7.1	*	*
14	IMFM14	IMDFM14	20.6	20.6	14.9	27.8	8.7	*	*
15	IMFM15	IMDFM15	21.4	21.4	15.2	27.8	8.7	*	*
16	IMFM16	IMDFM16	23.0	23.0	15.6	28.6	10.3	*	
17	IMFM17	IMDFM17	24.6	24.6	16.0	29.4	9.5	*	*
18	IMFM18	IMDFM18	25.4	25.4	16.5	30.2	10.3	*	*
19	IMFM19	IMDFM19	27.0	27.0	17.0	31.0	11.1	*	
20	IMFM20	IMDFM20	28.6	28.6	17.5	31.8	11.9		
21	IMFM21	IMDFM21	29.4	29.4	17.9	31.8	11.9	*	
22	IMFM22	IMDFM22	30.2	30.2	18.9	32.5	12.7		
23	IMFM23	—	31.8	31.8	19.7	33.3	12.7		
24	IMFM24	—	33.3	33.3	20.3	34.9	14.3	*	

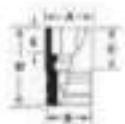
Set includes magnetic storage tray
ASME/ANSI B107.5



IMF120A



212IMFYA



Shallow, inches

Set Contains:

212IMFYA

207IMDFY

II	6	12	A	B	C	D	E	6	12
1/4	IMF080	—	7/16	11/16	13/32	29/32	7/32		
5/16	IMF100A	—	17/32	11/16	17/32	1-1/32	1/4	*	
3/8	IMF120A	IMDF120A	5/8	11/16	17/32	1-1/32	1/4	*	*
7/16	IMF140A	IMDF140A	11/16	11/16	9/16	1-1/16	1/4	*	*
1/2	IMF160	IMDF160	3/4	3/4	19/32	1-3/32	9/32	*	*
9/16	IMF180	IMDF180	13/16	13/16	9/16	1-3/32	5/16	*	*
5/8	IMF200	IMDF200	29/32	29/32	19/32	1-1/8	11/32	*	*
11/16	IMF220	IMDF220	31/32	31/32	19/32	1-5/32	3/8	*	*
3/4	IMF240	IMDF240	1-1/16	1-1/16	21/32	1-7/32	13/32	*	*
13/16	IMF260	—	1-1/8	1-1/8	11/16	1-5/8	15/32	*	
7/8	IMF280	—	1-3/16	1-3/16	23/32	1-9/32	15/32	*	
15/16	IMF300	—	1-9/32	1-9/32	3/4	1-5/16	17/32	*	
1	IMF320	—	1-11/32	1-11/32	3/4	1-5/16	17/32	*	

Sets shown include magnetic storage tray
ASME/ANSI B107.5

FLANK DRIVE® IMPACT SOCKETS



IMFMS12



212IMFMSYA



212IMFMSYA
Set Contains:

Semi-Deep, mm

mm	6	A	B	C	D	E	6
6	IMFMS6	10.3	17.5	28.6	41.3	5.8	
7	IMFMS7	11.9	17.5	28.6	41.3	6.4	
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	18.8	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	•
20	IMFMS20	28.6	28.6	22.2	41.3	11.9	
21	IMFMS21	29.2	25.1	29.3	65.7	12.4	

Sets shown include magnetic storage tray
ASME®/ANSI® B107.33m



IMFS16



210IMFMSYA



210IMFMSYA
Set Contains:

Semi-Deep, inches

in	6	A	B	C	D	E	6
1/4	IMFS8	13/32	13/32	1-1/4	1-5/8	7/32	
5/16	IMFS10A	1/2	1/2	1-5/32	1-5/8	1/4	•
3/8	IMFS12A	9/16	9/16	1-5/32	1-5/8	9/32	•
7/16	IMFS14A	21/32	21/32	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	•
15/16	IMFS30	1-9/32	1-9/32	1	1-3/4	9/16	
1	IMFS32	1-5/16	1-5/16	1	1-3/4	5/8	

Sets shown include magnetic storage tray
ASME®/ANSI® B107.3



• Read Safety Precautions on pages W1-W4

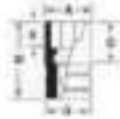
FLANK DRIVE® IMPACT SOCKETS



SIMDFM14



214SIMDFMYA



Deep, mm

Set Contains:

mm	6	12	A	B	C	D	E	6	12
6	SIMFM6	SIMDFM6	11.1	17.5	42.0	54.0	5.6		
7	SIMFM7	SIMDFM7	11.9	17.5	42.0	54.0	6.4		
8	SIMFM8A	SIMDFM8A	13.5	17.5	42.0	54.0	6.4	*	*
9	SIMFM9A	SIMDFM9A	14.3	17.5	42.0	54.0	6.4	*	*
10	SIMFM10A	SIMDFM10A	15.9	17.5	42.0	54.0	6.4	*	*
11	SIMFM11A	SIMDFM11A	16.7	17.5	42.0	54.0	7.9	*	*
12	SIMFM12	SIMDFM12	18.3	18.3	42.0	54.0	9.5	*	*
13	SIMFM13	SIMDFM13	19.8	19.8	42.0	54.0	10.3	*	*
14	SIMFM14	SIMDFM14	20.6	20.6	42.6	60.3	10.3	*	*
15	SIMFM15	SIMDFM15	21.4	21.4	42.6	60.3	10.3	*	*
16	SIMFM16	SIMDFM16	23.0	23.0	42.6	60.3	10.3	*	*
17	SIMFM17	SIMDFM17	24.6	24.6	48.8	66.7	11.1	*	*
18	SIMFM18	SIMDFM18	25.4	25.4	48.7	66.7	11.1	*	*
19	SIMFM19	SIMDFM19	27.0	27.0	48.5	66.7	13.5	*	*
20	SIMFM20	SIMDFM20	28.6	28.6	48.1	66.7	11.9		
21	SIMFM21	SIMDFM21	29.4	29.4	48.1	66.7	11.9	*	*
22	SIMFM22	—	30.2	30.2	54.2	73.0	12.7		
23	SIMFM23	—	31.8	31.8	54.2	73.0	12.7		
24	SIMFM24	SIMDFM24	33.3	33.3	54.2	73.0	14.3	*	*

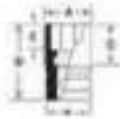
Set includes magnetic storage tray
ASME/ANSI® B107.33M



SIMF260



212SIMFYA



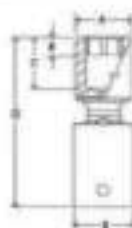
Deep, inches

Set Contains:

in	6	12	A	B	C	D	E	6
1/4	SIMF080	—	7/16	11/16	1-5/8	2-1/8	7/32	
5/16	SIMF100A	—	17/32	15/16	1-5/8	2-1/8	1/4	*
3/8	SIMF120A	SIMDF120A	5/8	11/16	1-5/8	2-1/8	1/4	*
7/16	SIMF140A	SIMDF140A	21/32	11/16	1-5/8	2-1/8	5/16	*
1/2	SIMF160	SIMDF160	3/4	3/4	1-5/8	2-1/8	3/8	*
9/16	SIMF180	SIMDF180	13/16	13/16	1-21/32	2-3/8	13/32	*
5/8	SIMF200	SIMDF200	29/32	29/32	1-21/32	2-3/8	15/32	*
11/16	SIMF220	SIMDF220	31/32	31/32	1-29/32	2-5/8	1/2	*
3/4	SIMF240	SIMDF240	1-1/16	1-1/16	1-29/32	2-5/8	17/32	*
13/16	SIMF260	—	1-1/8	1-1/8	2-1/4	2-3/4	17/32	*
7/8	SIMF280	—	1-3/16	1-3/16	2-1/4	2-3/4	9/16	*
15/16	SIMF300	—	1-9/32	1-9/32	2-1/4	2-3/4	9/16	*
1	SIMF320	—	1-11/32	1-11/32	2-1/4	2-3/4	5/8	*

Set includes magnetic storage tray
ASME/ANSI® B107.2

FLANK DRIVE® IMPACT SWIVEL SOCKETS



Shallow, mm

mm	Set Contains:									
	6	12	A	B	C	D	E	6	6	12
8	IPFM8C	—	12.8	26.0	10.4	51.6	6.4	•		
9	IPFM9C	—	14.1	26.0	10.9	52.6	6.4			
10	IPFM10C	IPDFM10A	15.5	26.0	11.4	53.6	7.1	•	•	•
11	IPFM11C	—	16.6	26.0	11.9	54.9	7.1	•		
12	IPFM12C	IPDFM12A	17.1	26.0	12.5	55.9	7.1	•	•	•
13	IPFM13C	IPDFM13A	19.7	26.0	12.5	56.9	7.9	•	•	•
14	IPFM14C	IPDFM14A	20.5	26.0	13.0	58.2	7.9	•	•	•
15	IPFM15C	IPDFM15A	21.3	26.0	13.5	59.2	7.9	•	•	•
16	IPFM16C	IPDFM16A	23.0	26.0	14.2	60.2	8.6	•		
17	IPFM17C	—	24.4	26.0	16.8	62.3	8.6	•	•	
17	—	IPDFM17A	24.4	26.0	17.8	62.3	8.6			•
18	IPFM18C	—	25.3	26.0	16.5	62.3	9.7	•	•	
18	—	IPDFM18A	25.3	26.0	16.5	62.3	9.7			•
19	IPFM19C	—	26.5	26.0	19.1	64.3	10.4	•		
21	IPFM21C	—	28.2	26.0	19.6	66.0	12.4	•		
22	IPFM22C	—	30.0	26.0	21.6	67.9	13.0			

Sets include storage tray

Shallow, inches

Inch	Set Contains:									
	6	12	A	B	C	D	E	6	6	12
3/8	IPF12C	IPDF12A	9/16	1-1/32	13/32	2-3/32	5/4			
7/16	IPF14C	IPDF14	21/32	1-1/32	15/32	2-5/32	5/4	•		
1/2	IPF16C	IPDF16	3/4	1-1/32	1/2	2-1/4	9/32	•		
9/16	IPF18C	IPDF18	13/16	1-1/32	1/2	2-9/32	9/32	•		
5/8	IPF20C	IPDF20	29/32	1-1/32	5/8	2-3/8	5/16	•		
11/16	IPF22C	IPDF22	31/32	1-1/32	11/16	2-15/32	13/32			
3/4	IPF24C	IPDF24	1-1/16	1-1/32	23/32	2-17/32	7/16	•		

Set includes storage tray

Semi-Deep, mm

mm	Set Contains:									
	6	A	B	C	D	E	6	6	12	
8	IPFSFM8A	17.1	26.0	20.8	65.3	6.4				
10	IPFSFM10A	17.1	26.0	22.4	66.8	9.7	•			
11	IPFSFM11A	16.6	26.0	25.9	68.3	9.7				
12	IPFSFM12A	17.1	26.0	26.2	69.8	9.7	•			
13	IPFSFM13A	19.7	26.0	26.4	70.9	10.4	•			
14	IPFSFM14A	20.5	26.0	27.4	71.9	10.4	•			
15	IPFSFM15A	21.3	26.0	30.0	73.4	10.4	•			
16	IPFSFM16A	23.0	26.0	29.0	73.4	10.4				
17	IPFSFM17A	24.4	26.0	30.0	74.9	11.2	•			
18	IPFSFM18A	25.3	26.0	30.0	76.5	11.2	•			
19	IPFSFM19A	26.5	26.0	31.8	78.0	14.2				
21	IPFSFM21A	28.2	26.0	31.6	78.0	12.4				

Set shown includes magnetic storage tray.
ASME/ANSI B107.5m

Low-Profile, mm

mm	Stock No.	A	B	C	D	E
8	RIPFM8C	12.8	25.9	4.7	43.6	3.7
10	RIPFM10C	15.5	25.9	6.2	47.4	4.4
11	RIPFM11C	16.6	25.9	6.0	45.8	5.0
12	RIPFM12C	17.1	25.9	6.1	48.9	5.3
13	RIPFM13C	19.7	25.9	6.6	50.1	5.8
14	RIPFM14C	20.5	25.9	7.0	50.8	6.2
15	RIPFM15C	21.3	26.8	7.5	52.4	6.7
16	RIPFM16C	23	26.8	8.1	50.5	7.1
17	RIPFM17C	24.4	26.8	8.6	53.9	7.6
18	RIPFM18C	25.3	26.8	9.0	54.5	8.0
19	RIPFM19C	26.5	26.8	9.5	52.7	8.5
20	RIPFM20C	26.8	26.8	9.3	52.1	8.3
21	RIPFM21C	29.2	26.8	9.0	52.7	8.0

Low-Profile, inches

Inch	Stock No.	A	B	C	D	E
3/8	RIPF12C	9/16	1-1/32	7/32	1-25/32	3/16
7/16	RIPF14C	21/32	1-1/32	3/16	1-7/8	5/32
1/2	RIPF16C	3/4	1-1/32	1/4	1-31/32	3/16
9/16	RIPF18C	13/16	1-1/32	9/32	2-1/32	1/4
5/8	RIPF20C	29/32	1-1/16	5/16	2-1/16	9/32
11/16	RIPF22C	31/32	1-1/16	3/8	2-1/16	5/16
3/4	RIPF24C	1-1/16	1-1/16	3/8	2-3/16	5/16



- Do not hold swivel joint during use.
- Read Safety Precautions on pages W1-W4

FLANK DRIVE® IMPACT SWIVEL SOCKETS



Deep, mm

mm	6	Set Contains:					6
		A	B	C	D	E	
8	IPLFM8B	17.1	25.0	30.5	73.4	9.1	
10	IPLFM10B	17.1	26.0	30.5	73.4	9.1	•
11	IPLFM11B	16.6	26.0	30.7	73.7	9.7	
12	IPLFM12B	17.1	26.0	30.7	73.7	9.7	•
13	IPLFM13A	19.7	26.0	38.4	82.8	10.4	•
14	IPLFM14A	20.5	26.0	40.4	84.3	10.4	•
15	IPLFM15A	21.3	26.0	41.2	85.8	10.4	•
16	IPLFM16A	23.0	26.0	40.6	86.1	10.4	
17	IPLFM17A	24.4	26.0	40.9	86.9	10.2	•
18	IPLFM18A	25.3	26.0	42.2	88.6	10.7	•
19	IPLFM19A	26.5	26.0	43.7	90.2	14.2	
21	IPLFM21A	29.2	26.0	45.2	92.2	12.4	

Set includes storage tray



Deep, inches

In	6	Set Contains:					6
		A	B	C	D	E	
3/8	IPLF12B	21/32	1-1/32	1-3/16	2-29/32	9/4	•
7/16	IPLF14B	21/32	1-1/32	1-7/32	2-29/32	9/4	•
1/2	IPLF16B	3/4	1-1/32	1-5/32	2-29/32	9/32	•
9/16	IPLF18B	13/16	1-1/32	1-17/32	3-9/32	9/32	•
5/8	IPLF20B	29/32	1-1/32	1-9/16	3-3/8	5/16	•

Set includes storage tray



Universal Joints (Impact)

202IP 2 pc Combination Drive Impact Universal Joint Set

- Includes IPF800B 3/8" Drive Friction Ball Swivel Ball Impact Universal Joint and IP80D 1/2" Drive Swivel Ball Lock Button Impact Universal Joint in a storage tray

SPECIAL APPLICATION SOCKETS



WNS1

Wing Nut Sockets

WNS1 3/8" Drive Wing Nut Socket

- Works on any wing nut up to 3/8"
- Two differently sized slots fit multiple wing nut sizes
- 7/8" external hex allows access to wing nuts on a long stud
- Counterbore in the bottom is sized so that when engaging the fastener the socket does not touch the material the wing nut is holding down, preventing scratching and damage when the wing nut is spun off



207IMFLE

Shallow TORX® Impact

- Various applications on heavy duty trucks with Mercedes-Benz® engines
- Use E18 size for F-550® brake rotor.
- Use E20 size for rear brake caliper bolts on BMW® X5.

#	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 also includes magnetic storage tray

SPECIAL APPLICATION SOCKETS

3/8" DRIVE TOOLS

Mortorq® Super Socket

- Manufactured from special alloy steel and heat treated for optimum strength and durability
- Industrial finish helps protect against corrosion

Size	Stock No.	A	B	C	D	E
MTS-X10	IMTSX100	29/64	11/16	1-1/8	1-5/8	15/64
MTS-X12	IMTSX120	9/16	11/16	1-3/8	1-5/8	17/64
MTS-X14	IMTSX140	11/16	11/16	1-3/8	1-1/2	3/16
MTS-X8	IMTSX80	25/64	11/16	1-1/8	1-5/8	11/64



Twist, Shallow, inches/mm (Blue-Point®)

- Twist sockets remove rounded/damaged fasteners
- Shallow design allows better access in confined working areas
- Made in USA

11	mm	6	Set Contains:			6	6
			A	B	C		
3/8	TFSY121A	11/16 (17.5)	9/16 (14.3)	1-1/4 (31.8)		•	
7/16	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	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	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)	•	•	

Set includes storage tray



Twist, Deep, inches/mm (Blue-Point®)

11	mm	6	Set Contains:			6
			A	B	C	
3/8	TSFSY121A	11/16 (17.5)	9/16 (14.3)	2-1/8 (54)	•	
7/16	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	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	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 includes storage tray



Shallow, 10 pt

mm	10	A	B	D	E
12	DPFM12	18.3	18.3	26.9	7.1

DPFM12 3/8" Drive 10-Point Metric 12 mm 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



- Do not hold wheel during use.
- Read Safety Precautions on pages W1-W4

POWER ACCESSORIES



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



Universal Joints (Power)

Stock No.	A	B
PFUBA	3/4	1-31/32



Adaptors (Power)

Stock No.	A	B	C	D
PA4F	1/2	3/8	15/16	1-13/16
PA2A	3/8	1/2	3/4	1-5/16



Hex-To Square-Adaptors (Power)

Stock No.	Retention Type	A	B	C
A3017A	Lock Button	7/16	5-1/4	1-3/4
A3042	Lock Button	1/4	1	2
A3044	Lock Button	1/4	1	4
A3046	Lock Button	1/4	5-1/4	6

POWER BIT SOCKETS



PFTX30E



★ TORX®/Standard (Power), Industrial (3/8")

#	Stock No.	A	B	C	D
T27	PFTX27E	1-49/64	45/64	11/16	FTX27E2
T30	PFTX30E	1-49/64	45/64	11/16	FTX30E2
T40	PFTX40E	1-49/64	45/64	11/16	FTX40E2



PFAM8E



Hex/Standard (Power), mm, Industrial (3/8")

mm		A	B	C	D
4	PFAM4E	52.3	25.4	17.2	FAM4E2
5	PFAM5E	52.3	25.4	17.2	FAM5E
6	PFAM6E	52.6	25.7	17.2	FAM6E2
7	PFAM7E	52.6	25.7	17.2	FAM7E2
8	PFAM8E	52.2	25.1	17.2	FAM8E2
9	PFAM9E	52.6	25.7	17.8	FAM9E2
10	PFAM10E	52.6	25.7	17.8	SAM10E2



PFA8E



Hex/Standard (Power), inches, Industrial (3/8")

		A	B	C	D
1/8	PFA4E	2-1/16	1	11/16	TMA4E2
9/64	PFA4.5E	2-1/16	1	11/16	TMA4.5E2
5/32	PFA5E	2-1/16	1	11/16	FA5E2
3/16	PFA6E	2-1/16	1	11/16	FA6E2
7/32	PFA7E	2-5/64	1-1/64	11/16	FA7E2
1/4	PFA8E	2-5/64	1-1/64	11/16	FA8E2
5/16	PFA10E	2-1/16	1	11/16	FA10E2
3/8	PFA12E	2-3/32	1-1/32	11/16	FA12E2

MAGNETIC AND SURFACE DRIVE SOCKETS

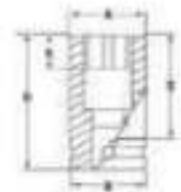
3/8" DRIVE TOOLS

Shallow Magnetic, mm, Industrial

mm	6	A	B	D	E
10	MFIMMD10	15.1	17.2	28.0	7.1
10	MFIMM10A	15.1	17.2	29.1	4.7
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	29.0	3.9



MFIMM15



MFIMMD10 3/8" Drive 12-Point Metric 10 mm Shallow Magnetic Power 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 must 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)
- 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
- Power sockets designed and intended for use with power nut runners; do not use with impact drivers
- Industrial, black-oxide, finish helps protect against corrosion

Shallow Magnetic, inches, Industrial

mm	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, Industrial

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



SMFIMM10B



Deep, mm, Natural

mm	6	A	B	C	D	E
10	DFSM10	14.5	17.2	42.5	54.0	8.4



DFSM10



Surface Drive (M-Series)

For 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.

mm	6	A	B	C	D	E
10	M2110	16.5	19.1	16.5	31.8	7.4
10	M2210	16.5	19.1	39.1	50.8	7.4



M2110



- Do not use power sockets or accessories with impact drivers.
- Do not use power tools or accessories with impact drivers.
- Do not use adaptors with impact drivers.
- Do not exceed torque stamped on adaptor.
- Read Safety Precautions on pages W3-W4

GENERAL SERVICE SETS



230RFSMLEFG

Colors Available



FR FO FG
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

	Stock No.	Description
Also Includes	RAF80A	3/8" Drive Dual 80° Technology Low-Profile Ratchet

230RFSMLEFR 30 pc 3/8" Drive Dual 80° Technology Low-Profile Ratchet/Flank Drive® Low-Profile Socket Master Set

mm	6-Point Metric	12-Point SAE	TORX®
8	RFSM8	1/4	TORX® E10
9	RFSM9	5/16	TORX® E11
10	RFSM10	11/32	TORX® E12
11	RFSM11	3/8	TORX® E14
12	RFSM12	7/16	TORX® E16
13	RFSM13	1/2	TORX® E18
14	RFSM14	9/16	TORX® E8
15	RFSM15	5/8	
16	RFSM16	11/16	
17	RFSM17	3/4	
18	RFSM18		
19	RFSM19		

ASME®/ANSI® B107.10



239SFSSFG

Colors Available



FR FO FG
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

6/12-Point, Inches, Chrome

	6-Point Shallow Socket	6-Point Semi-Deep Socket	6-Point Deep Socket
1/4	FS081	FSS081	SFS081
5/16	FS101	FSS101	SFS101
3/8	FS121	FSS121	SFS121
7/16	FS141	FSS141	SFS141
1/2	FS161	FSS161	SFS161
9/16	FS181	FSS181	SFS181
5/8	FS201	FSS201	SFS201
11/16	FS221	FSS221	SFS221
3/4	FS241	FSS241	SFS241
13/16	FS261	FSS261	SFS261
7/8	FS281	FSS281	SFS281
15/16	FS301	FSS301	SFS301
1	FS321	FSS321	SFS321

239SFSSFG 39 pc 3/8" Drive 6-Point SAE Flank Drive® Shallow/Semi/Deep Combination Socket Foam Set

- Includes (13) shallow sockets; (13) semi-deep sockets and (13) deep sockets (1/4–1") in a foam organizer
- Snap-on® sockets using the Flank Drive® wrenching system grip the fastener on the flanks/flats which deliver 15–25% more turning power
- Nickel-chrome plating helps protect against corrosion and is easy to wipe clean
- Manufactured from the highest quality proprietary steel, providing optimum strength and durability
- 6-point configuration and Flank Drive® wrenching system

Foam Organizer

- Modular design provides in-drawer reconfiguration for new tools
- Each tool is precision fitted providing ultimate tool protection
- Contrasting colors provide visual control which eliminates time searching for missing tools
- Closed cell cross-linked foam resist oils, solvents, and fuels—easy to clean
- Pockets for miscellaneous tools



245SFMSFR

Colors Available



FR FO FG
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

245SFMSFR 45 pc 3/8" Drive 6-Point Metric Flank Drive® Shallow/Semi/Deep Combination Socket Foam Set

mm	6-Point Shallow Socket	6-Point Semi-Deep Socket	6-Point Deep Socket	mm	6-Point Shallow Socket	6-Point Semi-Deep Socket	6-Point Deep Socket
6	FSM61	FSM56	SFSM6	13	FSM131	FSM513	SFSM13
7	FSM71	FSM57	SFSM7	14	FSM141	FSM514	SFSM14
8	FSM81	FSM58	SFSM8	15	FSM151	FSM515	SFSM15
9	FSM91	FSM59	SFSM9	16	FSM161	FSM516	SFSM16
10	FSM101	FSM510	SFSM10	17	FSM171	FSM517	SFSM17
11	FSM111	FSM511	SFSM11	18	FSM181	FSM518	SFSM18
12	FSM121	FSM512	SFSM12	19	FSM191	FSM519	SFSM19
				20	FSM201	FSM520	SFSM20

Sets shown include foam organizer.



218AFP

12-Point, inches, Chrome

Size, inches	Stock No.	Size, inches	Stock No.
1/4	F081	5/8	F201
5/16	F101	11/16	F221
3/8	F121	3/4	F241
7/16	F141	13/16	F261
1/2	F161	7/8	F281
9/16	F181		

Also Includes:	Part No.	Description
	F4LB	3/8" Drive 17-27132" Speeder Drive Handle
	F80	3/8" Drive Dual 80° Technology Standard Handle Ratchet
	FU6A	3/8" Drive 2-1/16" Friction Ball Universal Joint
	FXX11	3/8" Drive 11" Knurled Friction Ball Extension
	FXX3	3/8" Drive 3" Knurled Friction Ball Extension
	FXX6	3/8" Drive 6" Knurled Friction Ball Extension
	F10LD	3/8" Drive 9-9/16" Breaker Bar

Set includes storage case.

218AFP 18 pc 3/8" Drive 12-Point SAE General Service Socket Set

- Includes (18) tools (1/4–7/8")
- Includes Dual 80° Technology Standard Handle Ratchet, Speeder, Breaker Bar, Universal Joint and 3, 6 and 11" Knurled Extensions



210AFSP

6-Point, inches, Chrome

Size, inches	Stock No.
3/8	FS121
7/16	FS141
1/2	FS161
9/16	FS181
5/8	FS201
11/16	FS221
3/4	FS241

Also Includes:	Part No.	Description
	F80	3/8" Drive Dual 80° Technology Standard Handle Ratchet
	FXX3	3/8" Drive 3" Knurled Friction Ball Extension
	FXX6	3/8" Drive 6" Knurled Friction Ball Extension

Set includes storage case.

210AFSP 10 pc 3/8" Drive 6-Point SAE General Service Set

- Set includes (7) 6-Point Shallow Sockets (3/8, 7/16, 1/2, 9/16, 5/8, 11/16 and 3/4"), F80 Standard Handle Sealed Ratchet and (2) Knurled Extensions (FXX3 3" and FXX6 6")



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not immerse sealed ratchet in fluids.
- Do not replace worn parts individually; use entire contents of the service kit.
- Frequently inspect, clean and lubricate all non-sealed ratchet mechanisms with light oil.
- Read Safety Precautions on pages W5-W6.

GENERAL SERVICE SETS



21BAFSP

6-Point, inches, Chrome

	6-Point Shallow Socket		6-Point Shallow Socket
1/4	FS081	5/8	FS201
5/16	FS101	11/16	FS221
3/8	FS121	3/4	FS241
7/16	FS141	13/16	FS261
1/2	FS161	7/8	FS281
9/16	FS181		

Also Includes:	Part No.	Description
	F4LB	3/8" Drive 17-27/32" Speeder Drive Handle
	F80	3/8" Drive Dual 80° Technology Standard Handle Ratchet
	FU8A	3/8" Drive 2-1/16" Friction Ball Universal Joint
	FXK11	3/8" Drive 11" Knurled Friction Ball Extension
	FXK3	3/8" Drive 3" Knurled Friction Ball Extension
	FXK6	3/8" Drive 6" Knurled Friction Ball Extension
	F10LD	3/8" Drive 9-3/16" Breaker Bar

Set includes storage case.

21BAFSP 18 pc 3/8" Drive 6-Point SAE Shallow General Service Socket Set

- Includes (18) tools (1/4-7/8")
- Includes Dual 80° Technology Standard Handle Ratchet, Speeder, Breaker Bar, Universal Joint, and 3, 6 and 11" Knurled Extensions in a storage tray



2101GSS01FR

2101GSS01FR 101 pc 3/8" Drive General Service Foam Set

Stock No.	Description
204RT01FG	4 pc 3/8" Drive Dual 80° Technology Ratchet Foam Set
204RT02FG	4 pc 3/8" Drive Dual 80° Technology Flex Head Ratchet Foam Set
209AFXAFG	9 pc 3/8" Drive Extension and Adaptor Foam Set
2455FMSFG	45 pc 3/8" Drive 6-Point Metric Flank Drive® Shallow/Semi/Deep Combination Socket Foam Set
2395FSSFG	39 pc 3/8" Drive 6-Point SAE Flank Drive® Shallow/Semi/Deep Combination Socket Foam Set

Sets shown include foam organizer

Colors Available



2101GSS02FG

2101GSS02FG 101 pc 3/8" Drive Soft Grip General Service Foam Set

Stock No.	Description
204RT03FG	4 pc 3/8" Drive Dual 80° Technology Soft Grip Ratchet Foam Set
204RT04FG	4 pc 3/8" Drive Dual 80° Technology Soft Grip Flex-Head Ratchet Foam Set
209AFXAFG	9 pc 3/8" Drive Extension and Adaptor Foam Set
2455FMSFG	45 pc 3/8" Drive 6-Point Metric Flank Drive® Shallow/Semi/Deep Combination Socket Foam Set
2395FSSFG	39 pc 3/8" Drive 6-Point SAE Flank Drive® Shallow/Semi/Deep Combination Socket Foam Set

Sets shown include foam organizer

Colors Available



251FSMBFR 51 pc 3/8" Drive 6-Point Metric/SAE Flank Drive® General Service Foam Set

Stock No.	Description
FL80	3/8" Drive Dual 80° Technology Long Handle Ratchet
FUBA	3/8" Drive 2-1/16" Friction Ball Universal Joint
FXK3	3/8" Drive 3" Knurled Friction Ball Extension
FXK6	3/8" Drive 8" Knurled Friction Ball Extension
FXK11	3/8" Drive 11" Knurled Friction Ball Extension

mm	6-Point Metric Shallow Socket	mm	6-Point Metric Deep Socket	SAE	6-Point SAE Shallow Socket	SAE	6-Point SAE Deep Socket
8 mm	FSM81	8 mm	SFSM8	1/4"	FS081	1/4"	SFS081
9 mm	FSM91	9 mm	SFSM9	5/16"	FS101	5/16"	SFS101
10 mm	FSM101	10 mm	SFSM10	3/8"	FS121	3/8"	SFS121
11 mm	FSM111	11 mm	SFSM11	7/16"	FS141	7/16"	SFS141
12 mm	FSM121	12 mm	SFSM12	1/2"	FS161	1/2"	SFS161
13 mm	FSM131	13 mm	SFSM13	9/16"	FS181	9/16"	SFS181
14 mm	FSM141	14 mm	SFSM14	5/8"	FS201	5/8"	SFS201
15 mm	FSM151	15 mm	SFSM15	11/16"	FS221	11/16"	SFS221
16 mm	FSM161	16 mm	SFSM16	3/4"	FS241	3/4"	SFS241
17 mm	FSM171	17 mm	SFSM17	13/16"	FS261	13/16"	SFS261
18 mm	FSM181	18 mm	SFSM18	7/8"	FS281	7/8"	SFS281
19 mm	FSM191	19 mm	SFSM19				

ASME YANSI® B107.10



251FSMBFR

251YFSMBFR 51 pc 3/8" Drive 6-Point Metric/SAE Flank Drive® Xtra General Service Foam Set

Stock No.	Description
FL80	3/8" Drive Dual 80° Technology Long Handle Ratchet
FUBA	3/8" Drive 2-1/16" Friction Ball Universal Joint
FXK3	3/8" Drive 3" Knurled Friction Ball Extension
FXK6	3/8" Drive 8" Knurled Friction Ball Extension
FXK11	3/8" Drive 11" Knurled Friction Ball Extension

ASME YANSI® B107.10

mm	6-Point Metric FDx Shallow Socket	mm	6-Point Metric FDx Deep Socket	SAE	6-Point SAE FDx Shallow Socket	SAE	6-Point SAE FDx Deep Socket
8 mm	YFSM81	8 mm	YSFSM8	1/4"	YFS081	1/4"	YSFS081
9 mm	YFSM91	9 mm	YSFSM9	5/16"	YFS101	5/16"	YSFS101
10 mm	YFSM101	10 mm	YSFSM10	3/8"	YFS121	3/8"	YSFS121
11 mm	YFSM111	11 mm	YSFSM11	7/16"	YFS141	7/16"	YSFS141
12 mm	YFSM121	12 mm	YSFSM12	1/2"	YFS161	1/2"	YSFS161
13 mm	YFSM131	13 mm	YSFSM13	9/16"	YFS181	9/16"	YSFS181
14 mm	YFSM141	14 mm	YSFSM14	5/8"	YFS201	5/8"	YSFS201
15 mm	YFSM151	15 mm	YSFSM15	11/16"	YFS221	11/16"	YSFS221
16 mm	YFSM161	16 mm	YSFSM16	3/4"	YFS241	3/4"	YSFS241
17 mm	YFSM171	17 mm	YSFSM17	13/16"	YFS261	13/16"	YSFS261
18 mm	YFSM181	18 mm	YSFSM18	7/8"	YFS281	7/8"	YSFS281
19 mm	YFSM191	19 mm	YSFSM19				



251YFSMBFR





- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not immerse sealed ratchet in fluids.
- Do not replace worn parts individually; use entire contents of the service kit.
- Frequently inspect, clean and lubricate all non-sealed ratchet mechanisms with light oil.
- Read Safety Precautions on pages W1-W4.

GENERAL SERVICE SETS



222AFSP

6-Point, inches, Chrome

	6-Point Shallow Socket		6-Point Shallow Socket
3/8	F121	3/8	SFS121
7/16	F141	7/16	SFS141
1/2	F161	1/2	SFS161
9/16	F181	9/16	SFS181
5/8	F201	5/8	SFS201
11/16	F221	11/16	SFS221
3/4	F241	3/4	SFS241

Also includes:	Part No.	Description
	F80	3/8" Drive Dual 80° Technology Standard Handle Ratchet
	FUBA	3/8" Drive 2-1/16" Friction Ball Universal Joint
	F10LD	3/8" Drive 9-9/16" Breaker Bar
	FXX3	3/8" Drive 3" Knurled Friction Ball Extension
	FXX4	3/8" Drive 4" Knurled Friction Ball Extension
	FXX8	3/8" Drive 8" Knurled Friction Ball Extension
	S9704KA	3/8" Drive 6-Point SAE 13/16" Flank Drive® Shallow Spark Plug Socket
	S9706KA	3/8" Drive 6-Point SAE 5/8" Flank Drive® Shallow Spark Plug Socket
	PB17B	Storage Case

Set includes storage case.

222AFSP 22 pc 3/8" Drive 6-Point SAE General Service Socket Set

- Includes (7) Shallow Sockets (3/8–3/4") and (7) Deep Sockets (3/8–3/4")
- Includes Dual 80° Technology Standard Handle Ratchet, 13/16" Spark Plug Socket, 5/8" Spark Plug Socket, Breaker Bar, Universal Joint and 3, 4 and 8" Knurled Extensions in a storage case

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.

	Stock No.		Stock No.
11 pc. 3/8" Drive 12-Point SAE Deep Flank Drive® Socket Set	211SFV	12 pc. 3/8" Drive 12-Point Metric Flank Drive® Deep Socket Set	212SFMV
11 pc. 3/8" Drive 6-Point SAE Flank Drive® Socket Set	211FSV	12 pc. 3/8" Drive 6-Point Metric Flank Drive® Semi-Deep Socket Set	212FSMSV
11 pc. 3/8" Drive 6-Point SAE Flank Drive® Shallow Socket Set	211FSY	12 pc. 3/8" Drive 6-Point Metric Flank Drive® Deep Socket Set	212SFSMY
7 pc. 3/8" Drive 6-Point SAE Flank Drive® Deep Universal Socket Set	207FSU	12 pc. 3/8" Drive 6-Point Metric Flank Drive® Shallow Socket Set	212FSMV
		12 pc. 3/8" Drive 12-Point Metric Flank Drive® Shallow Socket Set	212FMV



206AFSP

Also includes:	Part No.	Description
	F80	3/8" Drive Dual 80° Technology Standard Handle Ratchet
	F10LD	3/8" Drive 9-9/16" Breaker Bar
	FUBA	3/8" Drive 2-1/16" Friction Ball Universal Joint
	FX1	3/8" Drive 1-1/2" Friction Ball Extension
	FXX11	3/8" Drive 11" Knurled Friction Ball Extension
	FXX3	3/8" Drive 3" Knurled Friction Ball Extension
	FXX6	3/8" Drive 6" Knurled Friction Ball Extension

Set includes storage case.


206AFSP 6 pc 3/8" Drive Handle Set

- Start with the 206AFSP Handle Set, the ideal base for a personally customized basic general service set
- Add any of the suggested socket sets or choose from the many special purpose sockets available in both SAE and metric sizes
- The 206AFSP set is packaged in the blow-molded PB16B plastic case, which has a large enough cavity to store as many as four rows of standard-length sockets, two rows of deep or universal sockets, or combinations of any of these
- Suggested SAE Set Additions:
 - 211FSY 6-Point Shallow Set
 - 212FY 6-Point Shallow Set
 - 211FSY 6-Point Deep Set
 - 211SFY 12-Point Shallow Set
 - 207FSU 6-Point Deep Universal Set
 - 211FDSY 12-Point Semi-Deep Set
- Suggested Metric Set Additions:
 - 212FSMV 6-Point Shallow Set
 - 212SFSMY 6-Point Semi-Deep Set
 - 212SFMV 12-Point Deep Set
 - 212FSMSY 6-Point Semi-Deep Set
 - 212FMSY 12-Point Semi-Deep Set
 - 212FMV 12-Point Shallow Set
- Includes: F80 Sealed Ratchet, FUBA Universal Joint, FX1 Extension (1-1/2"), FXX3 Knurled Extension (3"), FXX6 Knurled Extension (6") and FXX11 Knurled Extension (11")



248F

12-Point, inches, Chrome

	12-Point Shallow Sockets		12-Point Deep Sockets		12-Point Shallow Universal Socket
1/4	F001	1/4	SF001	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

ASME[®]/ANSI[®] B107.10

Also Includes	Part Number	Description
	F40B	3/8" Drive 5-15/16" Hard Handle Stubby Shank Driver
	F4LB	3/8" Drive 17-27/32" Speeder Drive Handle
	F5L	3/8" Drive 8" Sliding T-Handle
	F10LD	3/8" Drive 9-9/16" Breaker Bar
	F77A	3/8" Drive 20-Tooth Ratchet Adaptor
	F80	3/8" Drive Dual 80° Technology Standard Handle Ratchet
	FR570A	3/8" Drive Spinner Ratchet
	F08A	3/8" Drive 2-1/16" Friction Ball Universal Joint
	FXX3	3/8" Drive 3" Knurled Friction Ball Extension
	FXX4	3/8" Drive 4" Knurled Friction Ball Extension
	FXX6	3/8" Drive 6" Knurled Friction Ball Extension
	FXX11	3/8" Drive 11" Knurled Friction Ball Extension
	BLPEXTF388	3/8" Drive 8" Flexible Extension (Blue-Point [®])

248F 48 pc 3/8" Drive 12-Point SAE Shallow/Deep/Universal Combination General Service Socket Set

- Includes Shallow Sockets (1/4–15/16")
- Includes Deep Sockets (1/4–7/8")
- Includes Universal Sockets (5/16–1")
- Includes Dual 80° Technology Standard Handle Ratchet, Plastic Handle Driver, Ratchet Spinner, Speeder, Ratchet Adaptor, Sliding T-Handle, Universal Joint, Breaker Bar, 8" Flexible Extension and 3, 4, 6 and 11" Knurled Extensions (48 pc)



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not immerse sealed ratchet in fluids.
- Do not replace worn parts individually; use entire contents of the service kit.
- Read Safety Precautions on pages W3–W4.

GENERAL SERVICE SETS



292F

Deep, Inches, Chrome

211BFSV	11 pc 3/8" Drive 6-Point SAE Flank Drive® Deep Socket Set
211BFSY	11 pc 3/8" Drive 6-Point SAE Flank Drive® Shallow Socket Set
211BFY	11 pc 3/8" Drive 12-Point SAE Flank Drive® Shallow Socket Set
211BFY	11 pc 3/8" Drive 12-Point SAE Deep Flank Drive® Socket Set

292F 92 pc 3/8" Drive 6-/12-Point SAE Shallow/Deep/Universal Combination General Service Socket Set

Also Includes	FLF80A	3/8" Drive Dual 80° Technology Long Handle Flex-Head Ratchet	S9704KFUA	3/8" Drive 6-Point SAE 13/16" Flank Drive® Universal Spark Plug Socket
	F4LB	3/8" Drive 17-27/32" Speeder Drive Handle	F23E	3/8" Drive 1/4" Flat Tip Standard Bit Socket Driver
	F5L	3/8" Drive 8" Sliding T-Handle	F25E	3/8" Drive 5/16" Flat Tip Standard Bit Socket Driver
	F10LD	3/8" Drive 9-9/16" Breaker Bar	F29E	3/8" Drive SAE 3/8" Clutch Bit Socket Driver
	FUBA	3/8" Drive 2-1/16" Friction Ball Universal Joint	F30E	3/8" Drive SAE 5/16" Clutch Socket Driver
	FU10B	3/8" Drive 12-Point SAE 5/16" Flank Drive® Shallow Universal Socket	F31E	3/8" Drive 3/8" Flat Tip Standard Bit Socket Driver
	FU12B	3/8" Drive 12-Point SAE 3/8" Flank Drive® Shallow Universal Socket	F40B	3/8" Drive 5-15/16" Hard Handle Stubby Shank Driver
	FU14B	3/8" Drive 12-Point SAE 7/16" Flank Drive® Shallow Universal Socket	F77A	3/8" Drive 20-Tooth Ratchet Adaptor
	FU16B	3/8" Drive 12-Point SAE 1/2" Flank Drive® Shallow Universal Socket	F80	3/8" Drive Dual 80° Technology Standard Handle Ratchet
	FU18B	3/8" Drive 12-Point SAE 9/16" Flank Drive® Shallow Universal Socket	F111	3/8" Drive 12-Point SAE 11/32" Flank Drive® Shallow Socket
	FU20B	3/8" Drive 12-Point SAE 5/8" Flank Drive® Shallow Universal Socket	FA5E	3/8" Drive SAE 5/32" Standard Hex Bit Socket Driver
	FU22B	3/8" Drive 12-Point SAE 11/16" Flank Drive® Shallow Universal Socket	FA6E	3/8" Drive SAE 3/16" Standard Hex Bit Socket Driver
	FU24B	3/8" Drive 12-Point SAE 3/4" Flank Drive® Shallow Universal Socket	FA7E	3/8" Drive SAE 7/32" Standard Hex Bit Socket Driver
	FU26B	3/8" Drive 12-Point SAE 13/16" Flank Drive® Shallow Universal Socket	FA8E	3/8" Drive SAE 1/4" Standard Hex Bit Socket Driver
	FU28B	3/8" Drive 12-Point SAE 7/8" Flank Drive® Shallow Universal Socket	FA10E	3/8" Drive SAE 5/16" Standard Hex Bit Socket Driver
	FU30A	3/8" Drive 12-Point SAE 15/16" Flank Drive® Shallow Universal Socket	FA12E	3/8" Drive SAE 3/8" Standard Hex Bit Socket Driver
	FU32A	3/8" Drive 12-Point SAE 1" Flank Drive® Shallow Universal Socket	FP22E	3/8" Drive #2 PHILLIPS® Standard Bit Socket Driver
	FX1*	3/8" Drive 1-1/2" Knurled Friction Ball Extension	FP32E	3/8" Drive #3 PHILLIPS® Standard Bit Socket Driver
	FXK3*	3/8" Drive 3" Knurled Friction Ball Extension	FP42E	3/8" Drive #4 PHILLIPS® Socket Driver
	FXK4*	3/8" Drive 4" Knurled Friction Ball Extension	PP409A	3/8" Drive SAE 9/32" Internal Pipe Plug Socket
	FXK6*	3/8" Drive 6" Knurled Friction Ball Extension	PP410A	3/8" Drive SAE 5/16" Internal Pipe Plug Socket
	FXK8*	3/8" Drive 8" Knurled Friction Ball Extension	PP412A	3/8" Drive SAE 3/8" Internal Pipe Plug Socket
	FXK11*	3/8" Drive 11" Knurled Friction Ball Extension	GF22	3/8" Drive 11/16" Blade Width Drag Link Socket
	FR570A	3/8" Drive Spinner Ratchet	BLPEXTF388	3/8" Drive 6" Flexible Extension (Blue-Point®)



6-Point, mm, Chrome

STARTERSET3

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" Drive Dual 80° Technology Long Handle Ratchet
	FUBA	3/8" Drive 2-1/16" Friction Ball Universal Joint
	FXK3	3/8" Drive 3" Knurled Friction Ball Extension
	FXK6	3/8" Drive 6" Knurled Friction Ball Extension
	S9706KA	3/8" Drive 6-Point SAE 5/8" Flank Drive® Shallow Spark Plug Socket

GENERAL SERVICE SETS



STARTERSETS

Shallow, mm, Chrome

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:	Part Number	Description
	F80	3/8" Drive Dual 80° Technology Standard Handle Ratchet
	FXWP1	3/8" Drive 1-1/2" Friction Ball Wobble Plus Extension
	FXWP3	3/8" Drive 3" Knurled Wobble Plus Extension
	FXWP6	3/8" Drive 6" Knurled Wobble Plus Extension
	F12LA	3/8" Drive Long Handle Breaker Bar

STARTERSETS 17 pc 3/8" Drive Shallow 6-Point Metric Starter Set

- High-strength sealed head ratchet built for strength, precision and durability
- Wobble engagement on extensions provides 16° of additional accessibility
- 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
- Highest quality steel on breaker bar provides strength and durability



222AFSMP

6-Point, mm, Chrome

mm	6-Point Shallow Sockets	mm	6-Point Shallow 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	SFSM19	19	SFSM19

Also includes:	Part Number	Description
	F80	3/8" Drive Dual 80° Technology Standard Handle Ratchet
	F08A	3/8" Drive 2-1/16" Friction Ball Universal Joint
	F10LD	3/8" Drive 9-9/16" Breaker Bar
	FXX3	3/8" Drive 3" Knurled Friction Ball Extension
	FXX4	3/8" Drive 4" Knurled Friction Ball Extension
	FXX8	3/8" Drive 8" Knurled Friction Ball Extension
	S9704KA	3/8" Drive 6-Point SAE 13/16" Flank Drive® Shallow Spark Plug Socket
	S9706KA	3/8" Drive 6-Point SAE 5/8" Flank Drive® Shallow Spark Plug Socket
	PB17B	Storage Case

222AFSMP 22 pc 3/8" Drive 6-Point Metric General Service Socket Set

Includes:

- (7) Shallow Sockets (10, 11, 13–15, 17 and 19 mm)
- (7) Deep Sockets (10, 11, 13–15, 17 and 19 mm)
- Dual 80° Technology Standard Handle Ratchet, Universal Joint, Breaker Bar, 3, 4 and 8" Knurled Extensions, 13/16 and 5/8" Spark Plug Sockets and a storage case



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not immerse sealed ratchet in fluids.
- Do not replace worn parts individually; use entire contents of the service kit.
- Do not use "cheater bars" on handles.
- Pull, do not push on handles.
- Read Safety Precautions on pages W1–W4.

GENERAL SERVICE SETS



262MFB

262MFB 61 pc 3/8" Drive 6-/12-Point Metric General Service Socket Set

Includes:

- (12) 6-point Shallow Sockets (8–19 mm)
- (11) 12-point shallow sockets (9–19 mm)
- Includes (12 pc) 12-point Deep Sockets (8–19 mm)
- (12) 6-point Shallow Universal Sockets (8, 10–19 and 22 mm)
- Dual 80° Technology Standard Handle Ratchet, Speeder, Breaker Bar, Plastic Handle Driver, Ratchet Spinner, Ratchet Adaptor, Universal Joint, 3, 6 and 11" Knurled Extensions, 13/16" Spark Plug Socket, 8" Flexible Extension, 5/8 and 9/16" Spark Plug Socket and metal box (61 pc)

6/12-Point, mm, Chrome

mm	6-Point Shallow Sockets	mm	12-Point Shallow Sockets	mm	12-Point Deep Sockets	mm	6-Point Shallow Universal Sockets
8	FSM81	—	—	8	SFM8	8	FSUM8A
9	FSM91	9	FM9	9	SFM9	10	FSUM10A
10	FSM101	10	FM10	10	SFM10	11	FSUM11A
11	FSM111	11	FM11	11	SFM11	12	FSUM12A
12	FSM121	12	FM12	12	SFM12	13	FSUM13A
13	FSM131	13	FM13	13	SFM13	14	FSUM14A
14	FSM141	14	FM14	14	SFM14	15	FSUM15A
15	FSM151	15	FM15	15	SFM15	16	FSUM16A
16	FSM161	16	FM16	16	SFM16	17	FSUM17A
17	FSM171	17	FM17	17	SFM17	18	FSUM18A
18	FSM181	18	FM18	18	SFM18	19	FSUM19A
19	FSM191	19	FM19	19	SFM19	22	FSUM22A

Also Includes	Description
F10LD	3/8" Drive 9-5/16" Breaker Bar
F80	3/8" Drive Dual 80° Technology Standard Handle Ratchet
F4LB	3/8" Drive 17-27/32" Speeder Drive Handle
F40B	3/8" Drive 5-15/16" Hard Handle Stubby Shank Driver
FR570A	3/8" Drive Spinner Ratchet
F77A	3/8" Drive 20-Tooth Ratchet Adaptor
FUBA	3/8" Drive 2-1/16" Friction Ball Universal Joint
FXK3	3/8" Drive 3" Knurled Friction Ball Extension
FXK6	3/8" Drive 6" Knurled Friction Ball Extension
FXK11	3/8" Drive 11" Knurled Friction Ball Extension
S9704KR	3/8" Drive 6-Point SAE 13/16" Flank Drive® Standard Retention Spark Plug Socket
S9706KA	3/8" Drive 6-Point SAE 5/8" Flank Drive® Shallow Spark Plug Socket
S9716KA	3/8" Drive 6-Point SAE 9/16" Flank Drive® Spark Plug Socket
KRAZ16	Metal Box
BLPEXTF388	3/8" Drive 8" Flexible Extension (Blue-Point®)

ASME®ANSI® B107.10

RATCHETS (Blue-Point®)



Quick-Release Ratchets (Blue-Point®) (3/8")

Stock No.	Description	Gear Teeth	Gear Action	A	B	C
BPRFR938	Standard	38	9.5°	9/16	1-9/32	7-3/4
BPRFR938SG	Bi-mold Soft Grip	38	9.5°	9/16	1-9/32	7-3/4

ASME®ANSI® B107.10

BPRFR938 3/8" Drive Standard Handle Quick-Release Ratchet (Blue-Point®)

- 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

BPRFR938SG 3/8" Drive Soft Grip Handle Quick-Release Ratchet (Blue-Point®)

- Quick-release button for rapid socket/accessory changes, even with greasy or oily hands
- Corrosive resistant bi-mold cushion grips for improved comfort and performance
- Chrome finish for easy cleanup

BPR703 3 pc Standard Handle Quick-Release Ratchet Set (Blue-Point®)

- Includes 1/4" Drive BPRTR936, 3/8" Drive BPRFR938 and 1/2" Drive BPRSR940 Ratchets (3 pc) in a storage tray

Quick-Release Ratchets (Blue-Point®) (1/4")

BPRTR936 1/4" Drive Standard Handle Quick-Release Ratchet (Blue-Point®)

- 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

Ratchet Spinners (Blue-Point®) (3/8")

Set Contains:

Stock No.	Description	Square Drive, inches
FSDRF	3/8" External Drive/1/4" Internal Square Drive Finger Ratchet (Blue-Point®)	3/8 Male to 1/4 Female
FS01	3/8" Drive Ratchet Spinner Adaptor (Blue-Point®)	3/8 Male to 3/8 Female
FS014	3/8" Drive Male to 1/4" Drive Female Spinner Adaptor (Blue-Point®)	3/8 Male to 1/4 Female
FS038	1/4" Drive Male to 3/8" Drive Female Spinner Adaptor (Blue-Point®)	1/4 Male to 3/8 Female

HANDLES AND ACCESSORIES (Blue-Point®)

Breaker Bars (Blue-Point®) (3/8")

Stock No.	Description	A	B	C
BLPB03810	3/8" Drive 10" Breaker Bar (Blue-Point®)	7/8	9-31/32	1/2



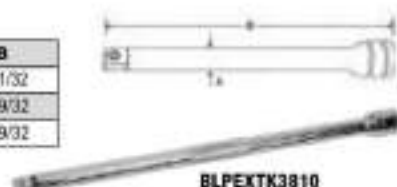
Handled Drivers (Blue-Point®)

Stock No.	Description	A	B	C
BLPCGHD388	3/8" Drive Spinner Handle (Blue-Point®)	1/2	4	8-5/8



Knurled Extensions, Chrome (Blue-Point®)

Stock No.	Description	B
BLPEXTK383	3/8" Drive 3" Knurled Extension (Blue-Point®)	2-31/32
BLPEXTK386	3/8" Drive 6" Knurled Extension (Blue-Point®)	5-29/32
BLPEXTK3810	3/8" Drive 10" Knurled Extension (Blue-Point®)	9-29/32



Turbo T-Handles (Blue-Point®)

F11TURBO 3/8" Drive Turbo T-Handle Speed Driver (Blue-Point®)

- Constant pressure can be applied to fastener while turning handle
- Faster than ordinary speed wrenches
- Safer on threads than power tools

TURBOT103 3 pc 1/4" Drive Turbo T-Handle Set (Blue-Point®)

- T9TURBO (1/4" drive), TH10TURBO (1/4" hex) and F11TURBO (3/8" drive)



EXTENSIONS AND ACCESSORIES (Blue-Point®)



Locking Extensions, Chrome (Blue-Point®)

Stock No.	A	B	Set Contains:
FXLBP3	1/2	3	•
FXLBP6	1/2	6	•
FXLBP10	1/2	10	•

Set includes storage tray



Extra-Long Locking Extensions (Blue-Point®)

- Smooth, durable chrome finish
- Made from tough 6130 steel
- Secure socket retention
- Lifetime warranty on individual extensions
- Do not use with power or impact tools

Stock No.	A	B	Set Contains:
BLPEXTL3812	1/2	12	•
BLPEXTL3818	1/2	18	•
BLPEXTL3824	1/2	24	•

Set includes storage tray

- Do not use "cheater bars" on handles.
- Pull, do not push, on handle.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not immerse sealed ratchet in fluids.
- Do not replace worn parts individually; use entire contents of the service kit.
- Frequently inspect, clean, and lubricate all nonsealed ratchet mechanisms with light oil.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4



EXTENSIONS AND ACCESSORIES (Blue-Point®)



YA525A

Extensions/Locking (Set Screw), Chrome (Blue-Point®)

- 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
- Not for use with power or impact tools

Stock No.	A	B
YA525A	3/4	2-1/8



BLPEXTF388

Flexible Extensions (Blue-Point®)

Stock No.	Finish	Length, inches
BLPEXTF388	Chrome	8



BLPUJ38

Universal Joints, Chrome (Blue-Point®)

Stock No.	B
BLPUJ38	2-1/32

SOCKETS (Blue-Point®)



BLPLM3810

BLPLM3816

BLPLM3822



BLPSM3809

BLPSM3815

BLPSM3822

Deep, mm, Chrome (Blue-Point®)

mm	12	A	B	C
6	BLPLM3806	64	17	9.3
7	BLPLM3807	64	17	10.9
8	BLPLM3808	64	17	11.8
9	BLPLM3809	64	17	13.4
10	BLPLM3810	64	17	14.6
11	BLPLM3811	64	17	15.9
12	BLPLM3812	64	17	17
13	BLPLM3813	64	18.4	18.4
14	BLPLM3814	64	19.6	19.6
15	BLPLM3815	64	20.9	20.9
16	BLPLM3816	64	22	22
17	BLPLM3817	64	23.4	23.4
18	BLPLM3818	64	24.5	24.5
19	BLPLM3819	64	25.6	25.6
20	BLPLM3820	64	26.8	26.8
21	BLPLM3821	64	27.9	27.9
22	BLPLM3822	64	29.6	29.6
23	BLPLM3823	64	31.2	31.2
24	BLPLM3824	64	32	32

Shallow, mm, Chrome (Blue-Point®)

mm	6	A	B	C
6	BLPSM3806	25.5	17	9.3
7	BLPSM3807	25.5	17	10.9
8	BLPSM3808	25.5	17	11.8
9	BLPSM3809	25.5	17	13.4
10	BLPSM3810	25.5	17	14.6
11	BLPSM3811	25.5	17	15.9
12	BLPSM3812	25.5	17	17
13	BLPSM3813	25.5	18.4	18.4
14	BLPSM3814	27	19.6	19.6
15	BLPSM3815	27	20.9	20.9
16	BLPSM3816	27	22	22
17	BLPSM3817	27	23.4	23.4
18	BLPSM3818	27	24.5	24.5
19	BLPSM3819	29	25.6	25.6
20	BLPSM3820	29	26.8	26.8
21	BLPSM3821	29	27.9	27.9
22	BLPSM3822	31	29.6	29.6
23	BLPSM3823	31	31.2	31.2
24	BLPSM3824	31	32	32

SOCKETS (Blue-Point®)

3/8" DRIVE TOOLS

Square Drive Adaptors (Blue-Point®)

Stock No.	A	B
BLPAFM3814	3/8	1/4
BLPAFM1438	1/4	3/8



BLPAFM3814



BLPAFM1438



BLPL3838



BLPL3834



BLPS3838



BLPS3878



Deep, Inches, Chrome (Blue-Point®)

#	Stock No.	A	B	C
1/4	BLPL3814	2-1/2	21/32	13/32
5/16	BLPL38516	2-1/2	21/32	15/32
3/8	BLPL3838	2-1/2	21/32	9/16
7/16	BLPL38716	2-1/2	21/32	5/8
1/2	BLPL3812	2-1/2	23/32	23/32
9/16	BLPL38916	2-1/2	51/64	51/64
5/8	BLPL3858	2-1/2	55/64	55/64
11/16	BLPL381116	2-1/2	15/16"	15/16
3/4	BLPL3834	2-1/2	1	1
13/16	BLPL381316	2-1/2	1-1/16	1-1/16
7/8	BLPL3878	2-1/2	1-3/16	1-3/16
15/16	BLPL381516	2-1/2	1-1/4	1-1/4
1	BLPL381	2-1/2	1-21/64	1-21/64

Shallow, Inches, Chrome (Blue-Point®)

#	Stock No.	A	B	C
1/4	BLPS3814	1	21/32	13/32
5/16	BLPS38516	1	21/32	15/32
3/8	BLPS3838	1	21/32	9/16
7/16	BLPS38716	1	21/32	5/8
1/2	BLPS3812	1	23/32	23/32
9/16	BLPS38916	1-1/16	51/64	51/64
5/8	BLPS3858	1-1/16	55/64	55/64
11/16	BLPS381116	1-1/16	15/16	15/16
3/4	BLPS3834	1-1/8	1	1
13/16	BLPS381316	1-1/8	1-1/16	1-1/16
7/8	BLPS3878	1-1/4	1-3/16	1-3/16
15/16	BLPS381516	1-1/4	1-1/4	1-1/4
1	BLPS381	1-1/4	1-21/64	1-21/64

TORX®/Shallow, Chrome (Blue-Point®)

#	Stock No.	A	B	C
E4	BLPTE384	1-7/32	21/32	7/32
E5	BLPTE385	1-7/32	21/32	17/64
E6	BLPTE386	1-7/32	21/32	5/16
E7	BLPTE387	1-7/32	21/32	21/64
E8	BLPTE388	1-7/32	21/32	13/32
E10	BLPTE3810	1-7/32	21/32	31/64
E12	BLPTE3812	1-7/32	21/32	9/16
E14	BLPTE3814	1-7/32	21/32	5/8
E16	BLPTE3816	1-7/32	25/32	25/32
E18	BLPTE3818	1-7/32	13/16	13/16
E20	BLPTE3820	1-7/32	29/32	29/32



BLPTE386



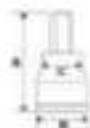
BLPTE3818



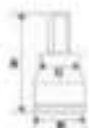
TORX® BIT SOCKETS (Blue-Point®)



BLPT3845



BLPTL3840



TORX®/Standard (Blue-Point®)

#	Stock No.	A	B	C
T40	BLPT3840	1-31/32	3/4	19/32
T45	BLPT3845	1-31/32	3/4	19/32
T50	BLPT3850	1-31/32	3/4	19/32

TORX®/Long (Blue-Point®)

#	Stock No.	A	B	C
T40	BLPTL3840	4-15/64	3/4	19/32
T45	BLPTL3845	4-15/64	3/4	19/32
T50	BLPTL3850	4-15/64	3/4	19/32



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not immerse sealed ratchet in fluids.
- Do not replace worn parts individually; use entire contents of the service kit.
- Frequently inspect, clean, and lubricate all non-sealed ratchet mechanisms with light oil.
- Read Safety Precautions on pages W1-W4.

TORX® BIT SOCKETS (Blue-Point®)



BLPT3845TP



★ TORX®/Tamper-Resistant, Chrome (Blue-Point®) (3/8")

#	Stock No.	A	B	C
T10	BLPT3810TP	1-55/64	3/4	35/64
T15	BLPT3815TP	1-55/64	3/4	35/64
T20	BLPT3820TP	1-55/64	3/4	35/64
T25	BLPT3825TP	1-55/64	3/4	35/64
T27	BLPT3827TP	1-55/64	3/4	35/64
T30	BLPT3830TP	1-55/64	3/4	35/64
T40	BLPT3840TP	1-31/32	3/4	19/32
T45	BLPT3845TP	1-31/32	3/4	19/32
T50	BLPT3850TP	1-31/32	3/4	19/32
T55	BLPT3855TP	1-31/32	3/4	5/8



BLPTL3845TP



★ TORX®/Tamper-Resistant, Long, Chrome (Blue-Point®) (3/8")

#	Stock No.	A	B	C
T40	BLPTL3840TP	4-15/64	3/4	19/32
T45	BLPTL3845TP	4-15/64	3/4	19/32
T50	BLPTL3850TP	4-15/64	3/4	19/32

METRIC HEX BIT SOCKETS (Blue-Point®)



BLPH3810



Hex/Standard, mm, Chrome (Blue-Point®) (3/8")

mm	6	A	B	C
6	BLPH386	50	19	15
7	BLPH387	50	19	15
8	BLPH388	50	19	15
9	BLPH389	50	19	16
10	BLPH3810	50	19	16



BLPHL389



Hex/Long, mm, Chrome (Blue-Point®)

mm	6	A	B	C
7	BLPHL387	110	19	15
8	BLPHL388	110	19	15
9	BLPHL389	110	19	16
10	BLPHL3810	110	19	16



BLPH3814



Hex/Standard, Inches, Chrome (Blue-Point®) (3/8")

11	6	A	B	C
7/32	BLPH38732	1-31/32	3/4	19/32
1/4	BLPH3814	1-31/32	3/4	19/32
5/16	BLPH38516	1-31/32	3/4	19/32
3/8	BLPH3838	1-31/32	3/4	5/8



BLPHL38516



Hex/Long, Inches, Chrome (Blue-Point®)

11	6	A	B	C
7/32	BLPHL38732	4-15/64	3/4	19/32
1/4	BLPHL3814	4-15/64	3/4	19/32
5/16	BLPHL38516	4-15/64	3/4	19/32
3/8	BLPHL3838	4-15/64	3/4	5/8



BLPSPS3858



BLPSPS381316



Spark Plug, Inches, Chrome (Blue-Point®)

11	Length, inches	Size, inches
BLPSPS3858	2-9/16	5/8
BLPSPS381316	2-1/4	13/16

TRIPLE SQUARE SOCKET BIT SOCKETS (Blue-Point®)

- Triple Square/Stubby, XZN, mm, Chrome (Blue-Point®) (3/8")

mm	Stock No.	
4	BLPXZNM384	•
5	BLPXZNM385	•
6	BLPXZNM386	•
8	BLPXZNM388	•
10	BLPXZNM3810	•
12	BLPXZNM3812	•
14	BLPXZNM3814	•
16	BLPXZNM3816	•
18	BLPXZNM3818	•



BLPP383



- ✦ PHILLIPS®/Standard, Chrome (Blue-Point®) (3/8")

Size	Stock No.	Square Drive, inches	A	B	C
#3	BLPP383	3/8	1-55/64	3/4	19/32
#4	BLPP384	3/8	1-55/64	3/4	35/64



BLPPD383



- ✦ Pozidriv®/Standard, Inches, Chrome (Blue-Point®) (3/8")

Size	Stock No.	Square Drive, inches	A	B	C
#3	BLPPD383	3/8	1-55/64	3/4	35/64
#4	BLPPD384	3/8	1-55/64	3/4	19/32

COMBINATION BIT SOCKETS (Blue-Point®)

BLPTSSC43 43 pc Combination Drive TORX® Socket and TORX® Bit Socket Set (Blue-Point®)

TORX® Tamper-Resistant Long Bit Sockets	Stock No.	Size	Square Drive, inches
	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
	BLPTSSC43PB	Storage Case	
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	Stock No.	Size	Square Drive, inches
	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



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-34.

COMBINATION BIT SOCKETS (Blue Point®)



BLPHSSC30

**BLPHSSC30 30 pc
Combination Drive Hex Bit
Socket Set (Blue-Point®)**

BLPHSSC30 Set (30 pc)

Hex, inches	Stock No.	Size	Square Drive, inches
	BLPH1418	1/8	1/4
	BLPH14964	9/64	1/4
	BLPH14532	5/32	1/4
	BLPH14316	3/16	1/4
	BLPH14732	7/32	1/4
	BLPH1414	1/4	1/4
	BLPH38732	7/32	3/8
	BLPH3814	1/4	3/8
	BLPH38516	5/16	3/8
	BLPH3838	3/8	3/8
	BLPH12716	7/16	1/2
	BLPH1212	1/2	1/2
	BLPH12916	9/16	1/2
	BLPH1258	5/8	1/2
	BLPH1234	3/4	1/2

Hex, mm	Stock No.	Size	Square Drive, inches
	BLPH1425	2.5	1/4
	BLPH386	6	3/8
	BLPH387	7	3/8
	BLPH388	8	3/8
	BLPH389	9	3/8
	BLPH3810	10	3/8
	BLPH123	3	1/4
	BLPH124	4	1/4
	BLPH125	5	1/4
	BLPH126	6	1/4
	BLPH1210	10	1/2
	BLPHM1212	12	1/2
	BLPH1214	14	1/2
	BLPH1217	17	1/2
	BLPH1219	19	1/2



BLPTH87

**BLPTH87 87 pc TORX®
and Hex Bit Socket Set
(Blue-Point®)**

BLPTH87 Set (87 pc)

External TORX® Sockets	Stock No.	Size	Square Drive, inches
	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
	BLPTE3818	E18	3/8
	BLPTE1220	E20	1/2
	BLPTE1222	E22	1/2
	BLPTE1224	E24	1/2
TORX® Bit Sockets	BLPT146	T6	1/4
	BLPT147	T7	1/4
	BLPT148	T8	1/4
	BLPT149	T9	1/4
	BLPT1410	T10	1/4
	BLPT1415	T15	1/4
	BLPT1420	T20	1/4
	BLPT1425	T25	1/4
	BLPT1427	T27	1/4
	BLPT1430	T30	1/4
	BLPT3840	T40	3/8
	BLPT3845	T45	3/8
	BLPT3850	T50	3/8
	BLPT1255	T55	1/2
	BLPT1260	T60	1/2
Long TORX® Bit Sockets	BLPTL146	T6	1/4
	BLPTL147	T7	1/4
	BLPTL148	T8	1/4
	BLPTL149	T9	1/4
	BLPTL1410	T10	1/4
	BLPTL1415	T15	1/4
	BLPTL1420	T20	1/4
	BLPTL1425	T25	1/4
	BLPTL1427	T27	1/4
	BLPTL1430	T30	1/4
	BLPTL3840	T40	3/8
	BLPTL3845	T45	3/8
	BLPTL3850	T50	3/8
	BLPTL1255	T55	1/2
	BLPTL1260	T60	1/2

Metric Hex Bit Sockets	Stock No.	Size	Square Drive, inches
	BLPH1425	2.5	1/4
	BLPH123	3	1/4
	BLPH124	4	1/4
	BLPH125	5	1/4
	BLPH126	6	1/4
	BLPH386	6	3/8
	BLPH387	7	3/8
	BLPH388	8	3/8
	BLPH389	9	3/8
	BLPH3810	10	3/8
	BLPH1210	10	1/2
	BLPHM1212	12	1/2
	BLPH1214	14	1/2
	BLPH1217	17	1/2
	BLPH1219	19	1/2
Long Metric Hex Bit Sockets	BLPHL144	4	1/4
	BLPHL145	5	1/4
	BLPHL146	6	1/4
	BLPHL387	7	3/8
	BLPHL388	8	3/8
	BLPHL389	9	3/8
	BLPHL3810	10	3/8
Fractional Hex Bit Sockets	BLPH1418	1/8	1/4
	BLPH14964	9/64	1/4
	BLPH14532	5/32	1/4
	BLPH14316	3/16	1/4
	BLPH1414	1/4	1/4
	BLPH14732	7/32	1/4
	BLPH38732	7/32	3/8
	BLPH3814	1/4	3/8
	BLPH38516	5/16	3/8
	BLPH3838	3/8	3/8
	BLPH12716	7/16	1/2
	BLPH1212	1/2	1/2
	BLPH12916	9/16	1/2
	BLPH1258	5/8	1/2
	BLPH1234	3/4	1/2
Long Fractional Hex Bit Sockets	BLPHL1418	1/8	1/4
	BLPHL14532	5/32	1/4
	BLPHL14316	3/16	1/4
	BLPHL38732	7/32	3/8
	BLPHL3814	1/4	3/8
	BLPHL38516	5/16	3/8
	BLPHL3838	3/8	3/8

GENERAL SERVICE SETS (Blue Point®)

Pass-Thru® Socket Set (Blue-Point®)

Stock No.	External Hex, inches	Length, inches	Size
BLPPTSM8	3/4	1-7/16	8 mm
BLPPTSM9	3/4	1-7/16	9 mm
BLPPTSM10	3/4	1-7/16	10 mm
BLPPTSM11	3/4	1-7/16	11 mm
BLPPTS1116	3/4	1-7/16	11/16"
BLPPTSM12	3/4	1-7/16	12 mm
BLPPTS12	3/4	1-7/16	1/2"
BLPPTSM13	3/4	1-7/16	13 mm
BLPPTSM14	3/4	1-7/16	14 mm
BLPPTSM15	3/4	1-7/16	15 mm
BLPPTSM16	3/4	1-7/16	16 mm
BLPPTSM17	3/4	1-7/16	17 mm
BLPPTSM18	3/4	1-7/16	18 mm
BLPPTSM19	3/4	1-7/16	19 mm
BLPPTS34	3/4	1-7/16	3/4"
BLPPTS38	3/4	1-7/16	—
BLPPTS58	3/4	1-7/16	5/8"
BLPPTS716	3/4	1-7/16	7/16"
BLPPTS916	3/4	1-7/16	9/16"

BLPPTS53822 22 pc 3/8" Drive Pass-Thru® Socket Set (Blue-Point®)

- Includes BLPPTS38–BLPPTS34 (3/8–3/4") SAE Sockets, BLPPTSM8–BLPPTSM19 (8–19 mm) Metric Sockets, BLPPTA3438 Square Drive Adaptor, BLPPTTEXT3 Extension and BPRFPT10 Ratchet (22 pc) in a storage case

BPRFPT10 3/8" Drive 10" Pass-Thru Flex Ratchet (Blue-Point®)

- Flex-head has seven locking positions

BLPPTTEXT3 3/8" Drive 3" Pass-Thru Socket Extension (Blue-Point®)

BLPPTA3438 3/8" Drive Square Drive Adaptor (Blue-Point®)

- 1-1/4" long



BLPPTTEXT3

BLPPTA3438

BLPPTSM10



BPRFPT10



BLPPTS53822

General Service Sets

- Great for use at home or on the road
- Sets offer full range of deep and shallow sockets for the most common fastener applications
- Ratchet and Handle Driver both available for a variety of jobs
- Compact case fits in shallow Snap-on® toolbox drawers

BLPGSSC100B 100 pc 3/8" Drive SAE/Metric General Service Set (Blue-Point®)

- Set covers most popular sizes of wrenches and sockets
- Tools have been newly designed and meet Snap-on® tool standards of quality
- High-quality chrome plating looks great and provides a durable, easy-to-clean finish
- Removable foam divider doubles as a kneeling pad
- Durable blow-molded case
- Includes (23) SAE and Metric 1/4" Drive Standard Depth Sockets, (32) SAE and Metric 3/8" Drive Sockets, (11) External TORX® Sockets, (19) SAE and Metric Combination Wrenches, (7) 1/4" drive and (8) 3/8" drive accessories in a storage case



BLPGSSC100B

General Service Sets

BLPGSS3837 37 pc 3/8" Drive SAE/Metric General Service Socket Set (Blue-Point®)

- Includes (8) SAE (5/16–3/4") and (14) Metric (6–19 mm) Standard 6-point Sockets, (4) SAE (5/16–3/8", 7/16–1/2", 9/16–5/8" and 11/16–3/4") and (5) Metric (10–11 mm, 12–13 mm, 14–15 mm, 16–17 mm and 18–19 mm) Double Open End Wrenches, (2) Extensions (3 and 6"), Ratchet, Universal joint and (2) Adaptors (1/4" Female x 3/8" Male and 3/8" Female x 1/4" Male)
- Includes storage case



BLPGSS3837



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1–W4

GENERAL SERVICE SETS (Blue Point®)



BLPGSS3849

BLPGSS3849 49 pc 3/8" Drive SAE/Metric General Service Socket Set (Blue-Point®)

- Includes (8) SAE (5/16–3/4"), (14) Metric Standard 6-point Sockets (6–19 mm), (8) SAE (5/16–3/4"), (13) Metric Deep 12-point Sockets (7–19 mm), (2) Extensions (3 and 6"), Universal Joint, (1) 3/8–1/4" Adaptor, (1) 1/4–3/8" Adaptor and (1) Ratchet in a storage case



BLPGSSCT70B

BLPGSSCT70B 70 pc 3/8" Drive SAE/Metric General Service Set (Blue-Point®)

- Set covers most popular sizes of wrenches and sockets
- Wrenches have longer handles, providing additional leverage
- Set includes pliers that now feature a slim-line comfort grip
- Tools have been newly designed and meet Snap-on® tool standards of quality
- High-quality chrome plating looks great and provides a durable, easy-to-clean finish
- Includes (27) SAE and Metric 3/8" Standard-Depth Sockets, (19) SAE and Metric chrome plated Wrenches, Ratchet, Spinner Handle and (3) Extensions, (13) assorted Square, Hex, Slotted and PHILLIPS® Bits, (3) pair of pliers: 6" Diagonal Cutting, 8" Long Nose and 10" Groove Joint Pliers, (2) Spark Plug Sockets
- Includes a durable blow-molded case



BLPGSS3885

BLPGSS3885 85 pc 3/8" Drive SAE/Metric General Service Socket Set (Blue-Point®)

- Includes (13) SAE Sockets (1/4–1") and (14) Metric Sockets (6–19 mm), (13) SAE (1/4–1") and (14) Metric (6–19 mm) Deep Sockets, (11) Sockets (E4–E20), (1) PHILLIPS® Socket Driver (#3), (2) Pozidriv® Socket Drivers (#3 and #4), (8) Tamper-Resistant TORX® Socket Drivers (T10–T45), (2) Spark Plug Sockets (5/8 and 13/16"), (6) ratchet/socket accessories and (1) Ratchet in a storage case (BLPGSS3885PB)



BLPGSSC155

BLPGSSC155 155 pc Combination Drive SAE/Metric General Service Set (Blue-Point®)

- Removable foam divider that doubles as a kneeling pad
- Double-injected slip-resistant Santoprene® handles
- Steel reinforced hinges on durable storage case
- Tools are made of high-grade steel alloy, feature a lifetime warranty and exceed ANSI® standards
- 1/4" drive components include: (10) SAE (3/16–9/16") and (13) Metric (4–14 mm) Standard Sockets, (10) SAE (3/16–9/16") and (11) Metric (4–14 mm) Deep Sockets, (20) assorted 1/4" hex bits with bit bolder, (5) ratchet/socket accessories and (1) quick release ratchet
- 3/8" drive components include: (13) SAE (1/4–1") and (19) Metric (6–24 mm) Standard Sockets, (11) SAE (3/8–1") and (15) Metric (10–24 mm) Deep Sockets, (1) External TORX® Sockets (E4–E20), (2) Spark Plug Sockets (5/8, 13/16") (3) Metric Hex Socket Drivers (7, 8 and 10 mm), (4) Tamper-Resistant TORX® Socket Drivers (T40, T45, T50, T55), (5) ratchet/socket accessories, (1) quick-release ratchet and (1) spinner handle

RATCHETS

1/2" DRIVE TOOLS



Dual 80® Technology, Chrome (1/2")

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		
S80A	Standard Handle Ratchet	80	4.5	3/4	1-5/8	10-5/16	•	
GS80A	Standard Handle Industrial Ratchet	80	4.5	3/4	1-5/8	10-3/16		
SH80A††	Red Soft-Grip Ratchet	80	4.5	3/4	1-5/8	12		
SL80A	Long Handle	80	4.5	3/4	1-5/8	15	•	
GSL80A†	Standard Long Handle Industrial Ratchet	80	4.5	3/4	1-5/8	15		
SHL80A††	Red Soft-Grip Long-Handle Ratchet	80	4.5	3/4	1-5/8	16-3/4		
SLL80A	Extra-Long Handle	80	4.5	3/4	1-5/8	23-3/16	•	
SHLL80A	Red Soft-Grip Extra-Long-Handle Ratchet	80	4.5	3/4	1-5/8	24-7/8		
SKF80A**††	Stubby Handle Flex-Head Ratchet	80	4.5	3/4	1-5/8	7-1/2	•	
SF80A	Standard Handle Flex-Head	80	4.5	3/4	1-5/8	17-11/16	•	
SHF80A††	Soft-Grip Standard Flex-Head Ratchet	80	4.5	3/4	1-5/8	17-5/8		
SLF80A	Long Handle, Flex-Head	80	4.5	3/4	1-5/8	24-13/16	•	
SHLF80A††	Soft-Grip Long Handle Flex-Head	80	4.5	3/4	1-5/8	25-5/8		
SBF80A	Bent Handle Flex-Head	80	4.5	3/4	1-5/8	16-1/2		
SX80B	Standard Handle Locking Flex-Head Ratchet	80	4.5	3/4	1-5/8	17-5/8		
SHX80B**†††	Red Soft-Grip Locking Flex-Head Ratchet	80	4.5	3/4	1-5/8	18-1/2		
SLX80A	Long Handle, Locking Flex-Head	80	4.5	3/4	1-5/8	24-13/16		
SHLX80A**†††	Red Soft-Grip Locking Flex-Head Ratchet	80	4.5	3/4	1-5/8	25-3/4		

Set Contains:

303RTO1FR*
303RTO2FR*

†Sets shown include foam organizer
 ††Uses RKRSX036/JT Flex Joint Repair Kit
 †††Uses RKRSX80A/JT Flex Joint Repair Kit and RKRSX80ALM Locking Mechanism Repair Kit

TASME*ANSI® B107.10 with exception of the length ASME*ANSI® B107.10

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



- Do not insert sealed ratchet in fluids.
- Do not replace worn parts individually; use entire contents of the service kit.
- Read Safety Precautions on pages W1-W4

RATCHETS



Quick-Release Ratchet (1/2")

Stock No.	Description (Chart)	Gear Teeth	Swing Arc	A	B	C
SR80A	Standard Handle, Quick-Release	80	4.5	3/4	1-5/8	10-5/16
SHR80A	Soft-Grip Quick-Release	80	4.5	3/4	1-5/8	12
SRL80A*	Long Handle, Quick-Release	80	4.5	3/4	1-5/8	15
SHRLF80A**	Soft-Grip Long Handle Quick-Release Flex Head	80	4.5	3/4	1-5/8	25-5/8
SHRX80B**	Standard Soft-Grip Handle, Quick-Release Locking Flex-Head	80	4.5	3/4	1-5/8	16-1/2
SRX80B**	Standard Handle, Quick-Release Locking Flex-Head	80	4.5	3/4	1-5/8	17-5/8

ASME/ANSI B107.10

*Uses RKRSX36JT Flex Joint Repair Kit

**Uses RKRSX80AJT Flex Joint Repair Kit and RKRSX80ALM Locking Mechanism Repair Kit
SH595-12 Soft-Grip Replacement Handle

Colors Available



T O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

FOD Ratchets (Foreign Object Damage) (1/2")

- Dual pawls and an 80 tooth gear provide more power in less lateral space
- 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 helps keep dirt and other contaminants out of the head mechanism
- Meets FOD and FME program conformance
- Designed to have the lowest profile and work with the shortest swing arc, providing better access to restricted areas
- FOD ratchets are designed to help prevent foreign object damage in sensitive work environments
- Cover plate and reverse lever are permanently affixed to ratchet head with rivets to prevent possible sources of debris



Stock No.	Description	Gear Teeth	Swing Arc	A	B	C
S80AFOD	Foreign Object Damage Standard Handle	80	4.5	3/4	1-5/8	10-5/16
GS80AFOD	Foreign Object Damage Industrial Handle	80	4.5	3/4	1-5/8	10-5/16
GSL80AFOD	Foreign Object Damage Industrial Long Handle	80	4.5	3/4	1-5/8	15

ASME/ANSI B107.10



Scaffold/Spud Ratchets (1/2")

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C
GSP936	Spud Ratchet	36	10	3/4	1-5/8	15-3/8
SA936A	Scaffold Ratchet	36	10	4-3/16	1-5/8	10-3/16

ASME/ANSI B107.10

GSP936 1/2" Drive Spud Ratchet

- The "spud" ratchet is ideal for lining up holes in scaffolding and other construction jobs
- A long reverse lever provides easy reversing while wearing heavy work gloves
- Locking button retention
- Taper diameter is 3/16-7/8"
- Taper length is 8"

RATCHETS

Ratchet Adaptor, Chrome (1/2")

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C
S77A	Ratchet Adaptor	20	15	1-5/8	3	3

ASME[®]/ANSI[®] B107.10



S77A



Ratchet Spinner (1/2")

Stock No.	Description	A	B
LR570A	1/2" Drive Ratchet Spinner	1-3/4	1-5/8

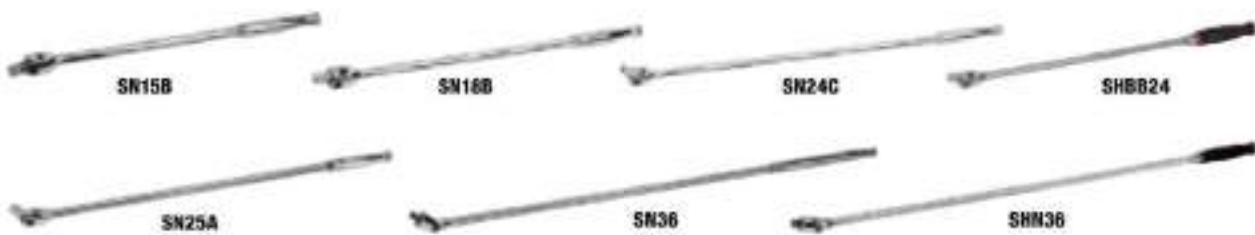
ASME[®]/ANSI[®] B107.10



LR570A



BREAKER BARS



Breaker Bars (1/2")

Stock No.	Description	A	B	C
SN15B	1/2" Drive 15" Standard Handle Breaker Bar	1-1/8	15	11/16
SN18B	1/2" Drive 18" Standard Handle Breaker Bar	1-1/8	18	11/16
GSN18B	1/2" Drive 18" Standard Handle Industrial Finish Breaker Bar	1-1/8	18	11/16
SN24C	1/2" Drive 24" Standard Handle Breaker Bar	1-1/8	24	11/16
SHBB24*	1/2" Drive 24" Soft Grip Handle Breaker Bar	1-1/8	24	11/16
SN25A	1/2" Drive 24" 45° Offset Square Breaker Bar	1-1/8	24	11/16
SN36	1/2" Drive 36" Standard Handle Breaker Bar	1-1/4	36	3/4
SHN36*	1/2" Drive 36" Soft Grip Handle Breaker Bar	1-1/4	36-5/8	3/4

ASME[®]/ANSI[®] B107.10

SH936-12 Soft Grip Replacement Handle

SHD80A12 Hard Grip Replacement Handle (add color code suffix)



Colors Available



* ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

DRIVE HANDLES



Speeders, Chrome

Stock No.	A	B	C	D
S4	1/2	7	4-3/8	18-7/8
SN4B	5/8	6-3/8	3	17-1/4
SL4	1/2	7-3/8	4-7/16	19-1/8
N8323	1/2	18-1/16	6-1/2	32-7/8

ASME[®]/ANSI[®] B107.10

SL4 1/2" Drive 19-1/8" Locking Speeder Drive Handle

- Sliding collar and locking pin for better socket retention



- Do not disassemble FOD ratchet in workplace.
- Do not use "cheater bars" on handles.
- Pull, do not push on handle.
- Frequently inspect, clean, and lubricate all ratchet mechanisms with light oil.
- Do not replace worn parts individually; use entire contents of the service kit.
- Read Safety Precautions on pages W1-W4.

DRIVE HANDLES



Sliding T-Handle, Chrome

Stock No.	A	B	C
S12L	1-11/16	5/8	12

ASME*ANSI* B107.10

EXTENSIONS



Knurled Extensions

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	*

Set includes storage tray.
ASME*ANSI* B107.10M

Not knurled

Extensions/Wobble

- Provides 16° of additional accessibility
- Knurled shanks for easy fingertip turning

Stock No.	Industrial Stock No.	A	B	
SXW2*	GSXW2	5/8	2	*
SXWK3	—	5/8	3-1/2	*
SXWK5	—	5/8	5	*
SXWK8	—	5/8	8	*
SXWK11	GSXWK11	5/8	11	*

Set includes storage tray.
ASME*ANSI* B107.10M

Not knurled



Foam Combination Sets (1/2")

309ASXFR 9 pc 1/2" Drive Knurled Extension Accessory Foam Set

- Includes (6) extensions (2, 3-1/2, 5, 8, 11, and 24"), (1) 1/2" internal drive x 3/8" external drive adaptor, (1) 1/2" internal drive x 3/4" external drive adaptor and (1) 1/2" Drive Friction Ball Universal Joint in a foam organizer

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

EXTENSIONS



Quick-Release Locking Extensions

Stock No.	A	B
SXKL3	21/32	3
SXKL5	21/32	5
SXKL10	21/32	10

ASME[®]/ANSI[®] B107.10M



Extensions/Wobble Plus, Chrome

- Provides 16° of additional accessibility
- Usable in wobble and rigid functionality
- Knurled shanks for easy fingertip turning

Stock No.	A	B	Set Contains:
SXWP2*	5/8	2	•
SXWP3	5/8	3	•
SXWP5	5/8	5	•
SXWP8	5/8	8	•
SXWP11	5/8	11	•

Set includes storage tray
ASME[®]/ANSI[®] B107.10

*Not knurled

Extensions/Locking Wobble, Chrome

- 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:
SXWKL3	21/32	3	•
SXWKL5	21/32	5	•
SXWKL8	21/32	8	•

Set includes storage tray



Locking Adaptor, Industrial

Stock No.	Description	A	B	C
GALX3	1/2" Drive 3" Locking Extension (Blue-Point [®])	1/2	1/2	3-1/8

ASME[®]/ANSI[®] B107.10

SOCKET/RATCHET ACCESSORIES



Square Drive Adaptors

Stock No.	A	B	C	D
GSAF1F	1/2	3/8	31/32	1-13/16
A2A	3/8	1/2	47/64	1-5/16
GAF2A	3/8	1/2	—	1-5/16
GLA12B	1/2	3/4	1-5/8	1-7/8
GLA51F	3/4	1/2	1-7/16	2-7/16

ASME[®]/ANSI[®] B107.10



- Do not use chrome or industrial finish hand tools with power drives or impact drives.
- Do not use power sockets or accessories with impact drives.
- Do not use adaptors with impact drives.
- Do not exceed torque stamped on adaptor.
- Read Safety Precautions on pages W1-W4.

SOCKET/RATCHET ACCESSORIES



Extension Adaptors, Industrial

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[®] B107.10



Universal Joints

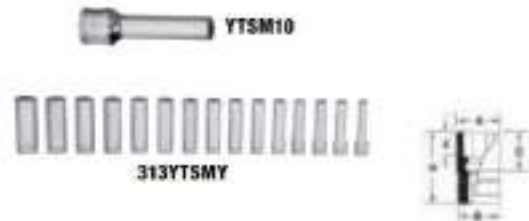
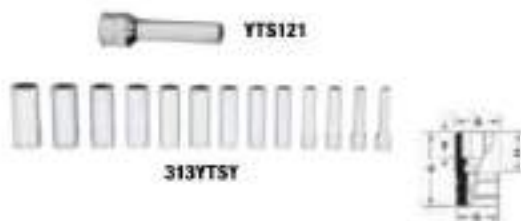
Stock No.	Industrial Stock No.	A	B
S8	G08	15/16	2-11/16



103UFTS 3 pc Combination Drive Universal Joint Set

- Includes (1) 1/4" Drive Universal Joint, (1) 3/8" Drive Universal Joint and (1) 1/2" Drive Universal Joint in storage tray

FLANK DRIVE[®] XTRA SOCKETS



Deep, inches, chrome

Set Contains: **313YTSY**

6-Point	A	B	C	D	E		
3/8	YTS121	19/32	29/32	2-9/16	3-1/4	9/32	*
7/16	YTS141	11/16	29/32	2-9/16	3-1/4	5/16	*
1/2	YTS161	25/32	29/32	2-9/16	3-1/4	3/8	*
9/16	YTS181	27/32	29/32	2-9/16	3-1/4	13/32	*
5/8	YTS201	29/32	29/32	2-9/16	3-1/4	15/32	*
11/16	YTS221	31/32	31/32	2-9/32	3-1/4	1/2	*
3/4	YTS241	1-1/16	1-1/16	2-9/32	3-1/4	19/32	*
13/16	YTS261	1-1/8	1-1/8	2-1/4	3-1/4	21/32	*
7/8	YTS281	1-3/16	1-3/16	2-1/4	3-1/4	23/32	*
15/16	YTS301	1-9/32	1-9/32	2-1/4	3-1/4	23/32	*
1	YTS321	1-11/32	1-11/32	2-7/32	3-1/4	3/4	*
1-1/16	YTS341	1-7/16	1-7/16	2-7/32	3-1/4	3/4	*
1-1/8	YTS361	1-1/2	1-1/2	2-7/32	3-1/4	25/32	*

Deep, mm, chrome

Set Contains: **313YTSMY**

6-Point	A	B	C	D	E		
10	YTSM10	15.1	23.0	65.8	82.6	7.1	
11	YTSM11	17.5	23.0	65.8	82.6	7.1	
12	YTSM12	18.3	23.0	65.8	82.6	8.7	*
13	YTSM13	19.8	23.0	65.8	82.6	9.5	*
14	YTSM14	21.4	23.0	65.8	82.6	10.3	*
15	YTSM15	22.2	23.0	65.8	82.6	10.3	*
16	YTSM16	23.0	23.0	65.8	82.6	11.9	*
17	YTSM17	24.8	24.8	58.6	82.6	12.7	*
18	YTSM18	25.4	25.4	58.5	82.6	13.5	*
19	YTSM19	27.0	27.0	58.3	82.6	13.5	*
20	YTSM20	27.0	27.0	57.9	82.6	13.5	*
21	YTSM21	28.6	28.6	57.9	82.6	16.7	*
22	YTSM22	30.2	30.2	57.8	82.6	18.3	*
23	YTSM23	31.8	31.8	57.8	82.6	18.3	*
24	YTSM24	32.5	32.5	57.8	82.6	18.3	*

FLANK DRIVE® XTRA SOCKETS



YTW121




313YTWY



Set Contains:
313YTWY

Shallow, inches, chrome

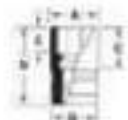
	6-Point	A	B	C	D	E	
3/8	YTW121	19/32	29/32	13/16	1-1/2	5/4	•
7/16	YTW141	11/16	29/32	13/16	1-1/2	9/32	•
1/2	YTW161	25/32	29/32	13/16	1-1/2	3/8	•
9/16	YTW181	27/32	29/32	13/16	1-1/2	13/32	•
5/8	YTW201	29/32	7/8	13/16	1-1/2	15/32	•
11/16	YTW221	31/32	15/16	13/16	1-1/2	15/32	•
3/4	YTW241	1-1/16	1-1/32	13/16	1-1/2	17/32	•
13/16	YTW261	1-5/8	1-3/32	13/16	1-1/2	17/32	•
7/8	YTW281	1-3/16	1-5/32	13/16	1-1/2	23/32	•
15/16	YTW301	1-9/32	1-1/4	13/16	1-17/32	23/32	•
1	YTW321	1-11/32	1-5/16	27/32	1-19/32	3/4	•
1-1/16	YTW341	1-7/16	1-13/32	31/32	1-23/32	3/4	•
1-1/8	YTW361	1-1/2	1-15/32	1-1/32	1-3/4	25/32	•



YTWM10




313YTWMY



Set Contains:
313YTWMY

Shallow, mm, chrome

	6-Point	A	B	C	D	E	
10	YTWM10	15.1	23	21.3	38.1	6.4	
11	YTWM11	17.5	23	21.3	38.1	7.1	
12	YTWM12	18.3	23	21.3	38.1	8.7	•
13	YTWM13	19.8	23	21.3	38.1	9.5	•
14	YTWM14	21.4	23	21.3	38.1	10.3	•
15	YTWM15	22.2	23	21.3	38.1	9.5	•
16	YTWM16	23	22.2	21.3	38.1	11.9	•
17	YTWM17	24.6	23.8	13.5	38.1	12.7	•
18	YTWM18	25.4	24.6	21.4	38.1	13.5	•
19	YTWM19	27	26.2	21.2	38.1	13.5	•
20	YTWM20	27	26.2	21.1	38.1	13.5	•
21	YTWM21	28.6	27.8	21	38.1	13.5	•
22	YTWM22	30.2	29.4	20.8	38.1	13.5	•
23	YTWM23	31.8	31	20.7	38.1	14.3	•
24	YTWM24	32.5	31.8	21.3	38.9	15.1	•



- Do not use chrome or industrial finish fixed tools with power drivers or impact drivers.
- Read Safety Precautions on pages W3-W4.

FLANK DRIVE® SOCKETS



SW241



313SWYA



Shallow, inches

Set Contains:

Inches	6		12		A	B	C	D	E	Set Contains:		
	6	12	6	12						313SWYA	313GTWYA	313SWYA
3/8	TW121A	SW121A	GTW121A	GSW121A	19/32	29/32	13/16	1-1/2	1/4	*	*	*
7/16	TW141A	SW141A	GTW141A	GSW141A	11/16	29/32	13/16	1-1/2	9/32	*	*	*
1/2	TW161A	SW161A	GTW161A	GSW161A	25/32	29/32	13/16	1-1/2	3/8	*	*	*
9/16	TW181A	SW181A	GTW181A	GSW181A	27/32	29/32	13/16	1-1/2	13/32	*	*	*
5/8	TW201	SW201	GTW201	GSW201	29/32	7/8	13/16	1-1/2	15/32	*	*	*
11/16	TW221	SW221	GTW221	GSW221	31/32	15/16	13/16	1-1/2	15/32	*	*	*
3/4	TW241	SW241	GTW241	GSW241	1-1/16	1-1/32	13/16	1-1/2	17/32	*	*	*
13/16	TW261	SW261	GTW261	GSW261	1-1/8	1-3/32	13/16	1-1/2	17/32	*	*	*
7/8	TW281	SW281	GTW281	GSW281	1-3/16	1-5/32	13/16	1-1/2	23/32	*	*	*
15/16	TW301	SW301	GTW301	GSW301	1-5/32	1-1/4	13/16	1-1/2	23/32	*	*	*
1	TW321	SW321	GTW321	GSW321	1-11/32	1-5/16	27/32	1-9/16	3/4	*	*	*
1-1/16	TW341	SW341	GTW341	GSW341	1-7/16	1-13/32	31/32	1-13/16	3/4	*	*	*
1-1/8	TW361	SW361	GTW361	GSW361	1-1/2	1-15/32	1-1/32	1-3/4	25/32	*	*	*
1-3/16	TW381	SW381	—	GSW381	1-5/8	1-19/32	1	1-3/4	3/4			
1-1/4	TW401	SW401	GTW401	GSW401	1-11/16	1-21/32	1-1/8	1-7/8	3/4		*	
1-5/16	TW421	SW421	—	—	1-3/4	1-23/32	1-1/8	1-7/8	1			
1-3/8	TW441	SW441	—	—	1-13/16	1-25/32	1-9/32	2-1/32	1			
1-7/16	TW461	SW461	—	—	—	—	1-5/8	2-1/4	—			
1-1/2	TW481	SW481	—	—	—	—	1-5/8	2-1/4	—			

Sets include storage tray.

ASME®/ANSI® B107.1



SWM101A



310TWMYA

Shallow, mm, Chrome

Set Contains:

mm	6		12		A	B	C	D	E	Set Contains:					
	6	12	6	12						310TWMYA	310GTWYA	310TWMYA	310GTWYA	310TWMYA	310GTWYA
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	13.0	*	*	*	*	*	*		
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	15.6	*	*	*	*	*	*		
25	TWM25	SWM251	33.3	31.7	22.2	38.8	15.6	*	*	*	*	*	*		
26	TWM26	SWM261	34.9	33.3	23.8	41.2	15.6		*	*	*	*	*		
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	28.0	47.6	19.6		*	*	*	*	*		

Set includes storage tray.

ASME®/ANSI® B107.5

FLANK DRIVE® SOCKETS

1/2" DRIVE TOOLS



GTS201



S241



313SYA



Deep, inches

Ⓜ	Set Contains:				A	B	C	D	E	ASME/ANSI® B107.1		
	6	12	6	12						6	6	12
3/8	TS121A	S121A	GTS121A	—	19/32	29/32	2-9/16	3-1/4	9/32	*	*	*
7/16	TS141A	S141A	GTS141A	—	11/16	29/32	2-9/16	3-1/4	5/16	*	*	*
1/2	TS161A	S161A	GTS161A	GS161A	25/32	29/32	2-9/16	3-1/4	3/8	*	*	*
9/16	TS181A	S181A	GTS181A	GS181A	27/32	29/32	2-9/16	3-1/4	13/32	*	*	*
5/8	TS201	S201	GTS201	GS201	29/32	7/8	2-9/16	3-1/4	15/32	*	*	*
11/16	TS221	S221	GTS221	GS221	31/32	15/16	2-9/32	3-1/4	1/2	*	*	*
3/4	TS241	S241	GTS241	GS241	1-1/16	1-1/32	2-9/32	3-1/4	15/32	*	*	*
25/32	—	S251	—	—	1-1/16	1-1/32	2-9/16	3-1/4	5/8			
13/16	TS261	S261	GTS261	GS261	1-1/8	1-3/32	2-1/4	3-1/4	21/32	*	*	*
7/8	TS281	S281	GTS281	GS281	1-3/16	1-5/32	2-1/4	3-1/4	23/32	*	*	*
15/16	TS301	S301	GTS301	GS301	1-9/32	1-1/4	2-1/4	3-1/4	23/32	*	*	*
1	TS321	S321	GTS321	GS321	1-11/32	1-5/16	2-7/32	3-1/4	3/4	*	*	*
1-1/16	TS341	S341	GTS341	GS341	1-7/16	1-13/32	2-7/32	3-1/4	3/4	*	*	*
1-1/8	TS361	S361	GTS361	GS361	1-1/2	1-15/32	2-7/32	3-1/4	25/32	*	*	*
1-3/16	TS381	S381	GTS381	GS381	1-9/16	1-17/32	2-7/32	3-1/4	25/32			
1-1/4	TS401	S401	GTS401	GS401	1-11/16	1-21/32	2-7/32	3-1/4	1			
1-5/16	TS421	S421	—	—	1-3/4	—	2-7/32	3-1/4	1			
1-3/8	TS441	S441	—	—	1-13/16	1-25/32	2-7/32	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			

Sets include storage tray

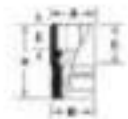
ASME/ANSI® B107.1



TWM14A



TSM24



Cummins® B and C Series

mm	4-Point	Dimension A	B	C	D	E
14	TWM14A	20.6	23.2	22.2	38.1	10.3
24	TSM24	32.5	31.8	67.6	82.6	18.3



• Do not use domestic or industrial finish hand tools with power drivers or impact drivers.
• Read Safety Precautions on pages W1-W4

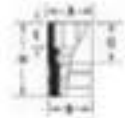
FLANK DRIVE® SOCKETS



TSM20



3135MYA



Deep, mm, Chrome

mm	Set Contains:		A	B	C	D	E	3135MYA		
	6	12						6	6	12
10	TSM10A	SM10A	15.1	23.0	65.8	82.6	7.1		*	
11	TSM11	SM11A	17.5	23.0	65.8	82.6	7.1			
12	TSM12A	SM12B	18.3	23.0	65.6	82.6	6.7	*	*	*
13	TSM13A	SM13A	19.8	23.0	65.6	82.6	9.5	*	*	*
14	TSM14A	SM14A	21.4	23.0	65.6	82.6	10.3	*	*	*
15	TSM15A	SM15A	22.2	23.0	65.6	82.6	10.3	*	*	*
16	TSM16	SM16	23.8	22.2	65.8	82.6	11.9	*	*	*
17	TSM17	SM17	24.6	23.8	68.6	82.6	12.7	*	*	*
18	TSM18	SM18	25.4	24.6	58.5	82.6	13.5	*	*	*
19	TSM19	SM19	27.0	26.2	58.3	82.6	13.5	*	*	*
20	TSM20	SM20	27.0	26.2	57.9	82.6	13.5	*	*	*
21	TSM21	SM21	28.6	27.8	57.9	82.6	16.7	*		*
22	TSM22	SM22	30.2	29.4	57.6	82.6	16.3	*		*
23	TSM23	SM23	31.8	31.0	57.6	82.6	18.3	*		*
24	TSM24	SM24	32.5	31.8	57.6	82.6	18.3	*		*
25	TSM25	SM25	33.3	32.5	57.6	82.6	15.1			
26	TSM26	SM26	34.9	34.1	57.6	82.6	19.1			
27	TSM27	SM27	36.5	35.7	57.6	82.6	19.1			
28	TSM28	SM28	38.1	37.3	57.6	82.6	19.1			
29	TSM29	SM29	39.7	38.9	57.6	82.6	19.8			
30	TSM30	SM30	41.3	40.5	57.6	82.6	19.8			
31	TSM31	SM31	42.9	42.1	57.6	82.6	19.8			
32	TSM32	SM32	42.9	42.1	57.6	82.6	25.4			

Sets include storage tray

ASME®/ANSI® B107.5



320TSWMB

Shallow/Deep Sets, mm, Chrome

320TSWMB 20 pc 1/2" Drive 6-Point Metric Flank Drive® Shallow/Deep Socket Set

- Includes (20) Shallow and Deep Sockets (10–20 mm)

FOAM COMBINATION SETS



338TSWYAFR



346TSWMFR

Foam Combination Sets (1/2")

- Snap-on® sockets using the Flank Drive® wrenching system grip the fastener on the flanks/flats which deliver 15–25% more turning power
 - 6-point configuration and Flank Drive® wrenching system
 - Nickel-chrome alloy finish resists rust and corrosion
 - Manufactured from the highest quality proprietary steel, providing optimum strength and durability
- Foam Organizer:
- Closed cell cross-linked foam for superior performance and durability resists oils, solvents and fuels—easy to clean
 - Foam organizer's modular design provides in-drawer reconfiguration for new tools and designed for maximum tool concentration on the smallest possible footprint

- Each tool is precision-fit, providing ultimate tool protection
 - Contrasting colors provide visual control and closed cell cross-linked foam resist oils, solvents and fuels
- 338TSWYAFR 38 pc 1/2" Drive 6-Point SAE Flank Drive® Shallow/Deep Combination Socket Foam Set**
- Includes (19) shallow sockets and (19) deep sockets (3/8–1-1/2") in a foam organizer
- 346TSWMFR 46 pc 1/2" Drive 6-Point Metric Flank Drive® Shallow/Deep Combination Socket Foam Set**
- Includes (23) shallow sockets and (23) deep sockets (10–32 mm) in a foam organizer

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



FLANK DRIVE® SOCKETS



SDH201



Aerospace, inches

		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
25/32	SDH251	1-1/32	1-1/64	1-3/32	1-3/4	5/8
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	1-9/16	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

Meets AS954 Aerospace standard

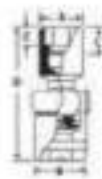


- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1–W4

FLANK DRIVE® SOCKETS



SU24



Shallow Universal, Inches, Chrome

Set Contains:

#	Stock No.	A	B	C	D	E	
9/16	SU18	27/32	15/16	1-19/64	2-7/16	11/32	*
5/8	SU20	15/16	15/16	1-21/64	2-15/32	3/8	*
11/16	SU22	1-1/16	1-1/16	1-15/32	2-3/16	7/16	*
3/4	SU24	1-1/8	1-1/8	1-43/64	2-7/8	1/2	*
13/16	SU26	1-3/16	1-1/8	1-3/4	2-15/16	9/16	*
7/8	SU28	1-1/4	1-1/8	1-3/4	2-15/16	9/16	*
15/16	SU30	1-5/16	1-1/8	1-13/16	3	9/16	*

ASME B107.10M

Set includes storage tray.

TORX® SOCKETS



SLEPL200



GSLEPL200



213AFLEY



★ 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 to fully engage the fastener head
- Manufactured from special alloy steel
- Precision forged and heat treated for optimum strength and durability

#	Stock No.	Industrial Stock No.	A	B	C
18EP	SLEPL180		29/32	15/16	1-1/2
20EPL	SLEPL200	GSLEPL200	15/16	11/16	1-1/2
22EPL	SLEPL220		15/16	11/16	1-1/2
24EPL	SLEPL240		15/16	11/16	1-1/2

SLEPL200 1/2" Drive 20EPL TORX Plus® with Countersink Socket

- For removal and installation of low-profile drive plate and flywheel bolts on QR25 Nissan® motors with automatic transmissions
- Similar to the J-45816 Nissan® specialty tool
- For flywheel bolts on Nissan® QR25 motors with manual transmissions use the FTX50TPE 3/8" Drive T50 TORX Plus® Male Socket

★ Shallow TORX®, Chrome

#	Stock No.	A	B	C	D	E
E14	SLE140	11/16	29/32	1/16	1-1/2	3/8
E16	SLE160A	23/32	29/32	1/16	1-1/2	7/16
E18	SLE180A	27/32	29/32	1/16	1-1/2	15/32
E20	SLE200A	15/16	29/32	1/16	1-1/2	17/32
E24	SLE240	1-1/16	1-1/32	1/16	1-1/2	17/32

213AFLEY 13 pc Combination Drive TORX® Shallow Socket Set

- Includes (6) 1/4" drive (E4-E10), (3) 3/8" drive (E11-E14) and (4) 1/2" drive (E16-E24) TORX® shallow sockets in a magnetic storage tray
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean
- Manufactured from special alloy steel and treated for optimum strength and durability
- Use of a standard TORX® bit socket on a TORX Plus® fastener may result in a rounded out fastener head or damaged bit socket

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 6- and 12-point fasteners with an advantage similar to the Snap-on® Flank Drive® wrenching system



Shallow, Inches, Chrome (1/2")

		Stock No.	A	B	C	D	E
#18	1/2	SES161B	3/4	7/8	5/8	1-9/32	7/16
#18	9/16	SES161B	27/32	7/8	5/8	1-9/32	7/16
#20	5/8	SES201B	29/32	29/32	29/32	1-9/16	17/32
#22	11/16	SES221B	1	1	29/32	1-9/16	9/16
#24	3/4	SES241B	1-1/16	31/32	13/16	1-9/16	9/16
#25	13/16	SES241B	1-1/8	1-1/16	29/32	1-9/16	9/16
#26	7/8	SES261B	1-3/16	1-1/8	13/16	1-9/16	9/16
#30	15/16	SES301B	1-9/32	1-7/32	13/16	1-9/16	9/16

SPECIAL APPLICATION SOCKETS



Double Square, Inches, Chrome

	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



Weatherhead® Fittings, Inches, Chrome

	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



Drag Link, Industrial

Stock No.	A	B	C
A15A	1-3/16	150	1-11/16
A17A	15/16	150	1-11/16
A26A	3/4	109	1-11/16



Pipe Plug, Inches, Chrome

Stock No.	A	B	C
PPM516A	1/2	15/16	1-7/16

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



Working Torque, in-lb		Stock No.	A	B	C	D	E
4,400	1	SRDH321	1.458	1.040	19/32	19/32	3
4,800	1-1/16	SRDH341	1.563	1.032	19/32	19/32	2
5,280	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



Torque Adaptor STA35 1/2" Drive Female/Male Torque Adaptor

- 3.5" length measured center to center
- Used with a socket and torque wrench to reach and properly torque fasteners in hard-to-access areas



• Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
• Read Safety Precautions on pages W1-W4

SPLINE TORQUE ADAPTORS

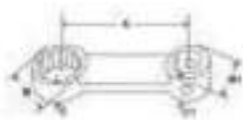
Spline, Inches, Chrome (1/2")

- Snap-on® spline wrenching tools have been developed to service high-tensile strength spline nuts and bolts widely used on both military and commercial aircrafts
- 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 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



SRES306



Working Torque, in-lb	#	11	Stock No.	A	B-B1	C-C1	Set Contains:
2,275	#18 (3/16")	9/16	SRES18	3	.818-1.04	13/32-1/2	•
2,450	#20 (5/8")	5/8	SRES20	3	.900-1.04	1/2-1/2	•
2,975	#22 (11/16")	11/16	SRES22	3	.989-1.04	1/2-1/2	•
3,500	#24 (3/4")	3/4	SRES24	3	1.08-1.04	1/2-1/2	•
4,410	#26 (13/16")	13/16	SRES26	3	1.16-1.04	1/2-1/2	•
4,900	#28 (7/8")	7/8	SRES28	3	1.26-1.04	1/2-1/2	•
6,000	#30 (15/16")	15/16	SRES30A	3	1.26-1.04	37/64-37/64	



SRDHM30



Double Hex, mm, Chrome (1/2")

Stock No.	A	B	C	D	E
SRDHM30	9.5	11.9	6.6	6.6	25.4

TORX® BIT SOCKETS



STX70E



★ TORX®/Standard, Chrome (1/2")

#	Stock No.	A	B	C	D
T55	STX55E	2-35/64	57/64	29/32	FTX55E2
T60	STX60E	3-9/32	1-23/64	1-11/64	STX60E2
T70	STX70E	3-17/32	1-49/64	1-11/64	STX70E2



STXL55E



K1820A



★ TORX®/Long, Chrome (1/2")

#	Stock No.	A	B	C	D
T45	STXL45E	4-37/64	3-5/64	29/32	STXL45E2
T50	STXL50E	4-37/64	3-5/64	29/32	STXL50E2
T55	STXL55E	4-37/64	3-5/64	15/16	STXL55E2
T60	STXL60E	4-39/64	2-27/32	1-7/32	STXL60E2
T70	K1820A	5-17/64	3-1/2	1-7/32	K1820A2
T80	STXL80E	4-51/64	3	1-13/32	STXL80E2



STX80TPE



★ TORX Plus®, Chrome (1/2")

#	Stock No.	A	B	C	D
T45	STX45TPE	2-9/16	1-1/16	29/32	FTX45TPE2
T50	STX50TPE	2-43/64	1-11/64	15/16	STX50TPE2
T55	STX55TPE	2-49/64	1-7/32	1-1/32	FTX55TPE2
T60	STX60TPE	3-9/32	1-1/2	1-7/32	STX60TPE2

METRIC HEX BIT SOCKETS

1/2" DRIVE TOOLS

Hex/Standard, mm, Chrome (1/2")

mm		A	B	C	D	Set Contains:
6	SAM6E	64.1	26	22.9	FAM6E2	•
8	SAM8E	61.8	23.7	22.9	FAM8E2	•
10	SAM10E	63.8	25.5	22.9	SAM10E2	•
12	SAM12E	79.6	41.5	23.1	SAM12E2	•
14	SAM14E	81.9	42.4	26.1	SAM14E2	•
16	SAM16E	94.5	49.8	30.7	SAM16E2	•
17	SAM17E	94.5	49.5	29.9	SAM17E2	•
19	SAM19E	102.6	56.8	34.9	SAM17E2	•

Set shown includes magnetic storage tray.



307ESAMY

Ball Hex/Long, mm, Chrome (1/2")

mm		A	B
12	SABLM12E	137.1	SABLM12E2

- Use to remove and reassemble the hydraulic split flange connector bolts on Case®, Hitachi®, Komatsu®, Caterpillar®, John Deere® and Volvo® excavators and bulldozers



SABLM12E

Double Hex/Standard, mm, Chrome (1/2")

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	C	D
10	SADM10E	100	81.9	24.4	SADM10E2

SADM10E 1/2" Drive Metric 10 mm Lexus®/Toyota® Double Hex Socket Driver

- Applications include removal/installation of head bolts on Toyota® Highlander®, 4Runner®, Camry®, Matrix®, Corolla® and Lexus® IS300®, GS300®, SC300 vehicles



SADM10E

Hex/Long, mm, Chrome (1/2")

mm		A	B	C	D
10	SAM10LE	152.4	114.3	22.9	SAM10LE2
12	SAM12LE	98.0	99.9	23.1	SAM12LE2
13	SAM13LE	101.6	83.5	23.5	SAM13LE2

SAM13LE 1/2" Drive Metric 13 mm Long Hex Bit Socket Driver

- Snap-on® bits are designed with a precise fit and tight tolerances to prevent slippage and disengagement
- Outperforms one-piece design models; our two-piece design makes replacement economical and convenient
- Manufactured from special alloy steel and heat-treated for optimum strength and durability
- 1/2" drive provides the high-torque needed on the engine bolt
- 4" length allows technician to clear the valve and valve cover sealing surface



SAM13LE

HEX BIT SOCKETS

Hex/Standard, inches (1/2")

		A	B	C	D	Set Contains:	
5/16	SA10E	GSA10E	2-29/64	61/64	29/32	FA10E2	•
3/8	SA12E	GSA12E	2-21/32	1-9/64	29/32	SA12E2	•
7/16	SA14E	GSA14E	2-13/16	1-5/16	29/32	SA14E2	•
1/2	SA16E	GSA16E	3-1/8	1-5/8	29/32	SA16E2	•
9/16	SA18E	GSA18E	3-15/64	1-21/32	1-1/32	SA18E2	•
5/8	SA20E	GSA20E	3-13/32	1-41/64	1-11/64	LAW120E2	•
3/4	SA24E	GSA24E	4-3/64	2-15/64	1-3/8	LAW124E2	•

Set shown includes magnetic storage tray.



307ESAY



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Do not use power sockets or accessories with impact drivers.
- Read Safety Precautions on pages W1-W4.

IMPACT DRIVERS AND SETS

Impact Rated Hex Drivers (1/2")

- Manufactured from special alloy steel and heat treated for optimum strength and durability
- Snap-on® bits are designed with a precise fit and tight tolerances to prevent slippage and disengagement
- Outperform one-piece design models; two-piece design makes replacement economical and convenient
- Bits can be easily replaced by hand—no need to put them in a vice and punch them out with a hammer
- 3/8" drive sizes: 12 and 14 mm, 1/2 and 9/16"
- 1/2" drive sizes: 5/8, 11/16, 3/4 and 7/8"
- Optional retaining ring ensures positive attachment to anvil for added protection—RR37575 for 3/8" models and RR50130 for 1/2" models
- Designed for use with pneumatic or cordless impact guns



Size, inches	Stock No.	A	B	Optional Ret Ring
5/8	IMSA20	3-1/2	IMSA20-2	RR50130
11/16	IMSA22	3-1/2	IMSA22-2	RR50130
3/4	IMSA24	3-1/2	IMSA24-2	RR50130
7/8	IMSA28	3-1/2	IMSA28-2	RR50130

TRIPLE SQUARE BIT SOCKETS



Triple Square/Standard, mm, Chrome (1/2")

mm		Stock No.	A	B	C	D	Set Contains:
Standard Length	16	STSM16E	107.7	63.6	29.9	STSM16E2	•
	18	STSM18E	98.3	52.2	34.9	STSM18E2	•
	10	STSM10E	89.4	51.3	23.1	STSM10E2	•
	12	STSM12E	97.7	64.8	23.5	STSM12E2	•
	14	STSM14E	109.5	63.4	26.9	STSM14E2	•
Long	10	STSM10LE	158.5	118.4	23.5	STSM10LE2	•
	12	STSM12LE	145.8	107.7	23.5	STSM12LE2	•

Set includes storage tray Triple Square tools are used on European vehicles and Double Hex tools are used on Asian vehicles. Using a Triple Square tool in a Double Hex application will strip the bolt head.

STSM10E 1/2" Drive Metric 10 mm Standard Triple Square Bit Socket Driver

- Double hex bit sockets and triple square bit sockets cannot be interchanged between applications
- Triple square bit sockets have 90° corners and double hex bit sockets have 120° corners
- Using a triple square bit socket in a double hex bit application will strip the bolt head
- In general, triple square bit sockets are used on European vehicles
- Pinless bits (no roll pin) provide a solid fit, are easily replaced, and have no hole to collect dirt and grit
- Bits feature natural oil coat finish to protect against corrosion

STSM12E 1/2" Drive Metric 12 mm Standard Triple Square Bit Socket Driver

- Applications include removal/installation of cylinder head bolts on Mercedes-Benz®, rear toe adjustment on 1999 and newer Audi® A6® and axle shaft bolts on new VW® vehicles

STSM14E 1/2" Drive Metric 14 mm Standard Triple Square Bit Socket Driver

- Applications include 2003 and later VW® Touareg® front axle bolts, 2003 and later Porsche® Cayenne® front axle bolts, various Audi®/VW® axle bolts and Audi® TT® differential mount bolts and transmission drain plugs

STSM16E 1/2" Drive Metric 16 mm Standard Triple Square Bit Socket 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, Detroit Diesel® flywheel bolts and front crank pulley on 900 and 4000 engines and head bolts on 900 engines

STSM18E 1/2" Drive Metric 18 mm Standard Triple Square Bit Socket Driver

- Applications include removal/installation of rear axle bolts of 2006 VW® Jetta® and Golf® vehicles

TRIPLE SQUARE BIT SOCKETS



305STSMSE



Triple Square/Stubby, mm, Chrome (1/2")

- Pinless bits (no roll pin) provide a solid fit, are easily replaced, and have no hole to collect dirt and grit
- Bit sockets are chrome plated
- Bits feature natural oil coat finish to protect against corrosion
- Double Hex socket drivers and Triple Square socket drivers cannot be interchanged between applications
- 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

Set Contains:

mm	Stock No.	A	B	C	D	
10	STSM10SE	59.4	21.3	23.7	STSM10E2	•
12	STSM12SE	59.4	21.3	23.7	STSM12E2	•
14	STSM14SE	61.2	23.7	26.1	STSM14E2	•
16	STSM16SE	66.1	23.1	30.9	STSM16E2	•
18	STSM18SE	69.8	23.6	35.6	STSM18E2	•

Set shown includes magnetic storage tray.

STSM10SE 1/2" Drive Metric 10 mm Triple Square Bit Socket Driver

- Applications include removal/installation of cylinder head bolts, drive shaft bolts and various other applications on VW®, Audi® and Mercedes-Benz® vehicles

STSM12SE 1/2" Drive Metric 12 mm Triple Square Bit Socket Driver

- Applications include removal/installation of head bolts and axle shaft bolts on VW®, Audi® and Mercedes® vehicles

STSM14SE 1/2" Drive Metric 14 mm Triple Square Bit Socket Driver

- Applications include removal/installation of brake caliper bolts on VW® Jetta®, Rabbit®, Passat®, EOS® and Tiguan®; there is limited room due to the control arm in the way when backing out the fastener

STSM16SE 1/2" Drive Metric 16 mm Triple Square Bit Socket Driver

- Pinless bits (no roll pin) provide a solid fit, are easily replaced and have no hole to collect dirt and grit

STSM18SE 1/2" Drive Metric 18 mm Triple Square Bit Socket Driver

- Rear axle bolts on Volkswagen® Jetta® and Golf®

SPECIAL APPLICATION BIT SOCKETS



SPDL10E



PolyDrive Head Bolts, mm (1/2")

mm	Stock No.	Description	A	B	C	D
10	SPDL10E	1/2" Drive Metric 10 mm VW®/Audi® Polydrive Head Bolt Bit Socket Driver	156.7	120.6	23.0	SPDL10E2

SPDL10E 1/2" Drive Metric 10 mm VW®/Audi® Polydrive Head Bolt Bit Socket Driver

- Applications include removal/installation of #10 PolyDrive cylinder head bolts on 1998 and later VW®/Audi® vehicles with 5-valve motors



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4.

FLAT TIP AND PHILLIPS® TIP BIT SOCKETS



SW32E



— Flat Tip/Standard, Chrome (1/2")

	Stock No.	A	B	C	D
7/16 x .050	SW28E	3-7/32	1-23/32	29/32	SW28E2A
1/2 x .075	SW32E	3-7/32	1-23/32	29/32	SW32E2A
5/8 x .093	SW40E	3-5/16	2-1/4	29/32	SW40E2A



SP32E



+ PHILLIPS®/Standard, Chrome (1/2")

	Stock No.	A	B	C	D
#3	SP32E	2-21/64	53/64	29/32	SP32E2
#4	SP42E	2-15/32	31/32	29/32	SP42E2

IMPACT DRIVERS AND SETS



PIT160



PIT3120EB



Impact Driver Set (1/2")

Set Contains:

Stock No.	Description	Size	A	B	C	D	
PIT160	1/2" Drive Impact Driver	—	—	—	—	—	•
A26A	1/2" Drive 3/4" Blade Width Drag Link Socket	—	3/4	.109	1-11/16	—	•
SA10E	1/2" Drive SAE 5/16" Standard Hex Bit Socket Driver	5/16	2-29/64	61/64	29/32	FA10E2	•
SA12E	1/2" Drive SAE 3/8" Standard Hex Bit Socket Driver	3/8	2-21/32	1-9/64	29/32	SA12E2	•
SA14E	1/2" Drive SAE 7/16" Standard Hex Bit Socket Driver	7/16	2-13/16	1-5/16	29/32	SA14E2	•
SA16E	1/2" Drive SAE 1/2" Standard Hex Bit Socket Driver	1/2	3-1/8	1-5/8	29/32	SA16E2	•
SA18E	1/2" Drive SAE 9/16" Standard Hex Bit Socket Driver	9/16	3-15/64	1-21/32	1-1/32	SA18E2	•
SA20E	1/2" Drive SAE 5/8" Standard Hex Bit Socket Driver	5/8	3-13/32	1-41/64	1-11/64	LAW120E2	•
SP32E	1/2" Drive #3 PHILLIPS® Standard Bit Socket Driver	#3	2-21/64	53/64	29/32	SP32E2	•
SP42E	1/2" Drive #4 PHILLIPS® Standard Bit Socket Driver	#4	2-15/32	31/32	29/32	SP42E2	•
SW28E	1/2" Drive 7/16" Flat Tip Standard Bit Socket Driver	7/16 x .050	3-7/32	1-23/32	29/32	SW28E2A	•
SW32E	1/2" Drive 1/2" Flat Tip Standard Bit Socket Driver	1/2 x .075	3-7/32	1-23/32	29/32	SW32E2A	•
KRA142B	Metal Storage Case	—	—	—	—	—	•

PIT160 1/2" Drive Impact Driver

- This 1/2" drive unit delivers cam action impact when struck with a hammer

PIT3120EB 12 pc 1/2" Drive Impact Driver Set

- PIT160 Impact Driver plus sockets and socket drivers (12 pc) in KRA142B Metal Storage Case

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 provides 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

Extensions/Locking

Stock No.	Description	A	B	Set Contains:
IMXL32	1/2" Drive 3-1/2" Locking Impact Extension	5/8	3-1/2	•
IMXL52	1/2" Drive 5" Locking Impact Extension	5/8	5	•
IMXL102	1/2" Drive 10" Locking Impact Extension	5/8	10	•

Set includes storage tray



Extensions/Snap Ring Retention, Industrial

Stock No.	Description	A	B
IMX32B	1/2" Drive 3" Snap Ring Impact Extension	5/8	3
IMX52	1/2" Drive 5-3/32" Snap Ring Impact Extension	21/32	5-3/32
IMX112	1/2" Drive 11-1/4" Snap Ring Impact Extension	21/32	11-1/4

304IMX 4 pc 1/2" Drive Impact Extension Set

- Includes IMX32B-IMX112 (3-11-1/4") and IP80D 1/2" Drive Swivel Ball Lock Button Impact Universal Joint in a storage tray
- Snap-on® impact extensions are heat-treated to optimize impact service life with a lower hardness and able to withstand repeated cycling loads of impact wrenches
- Snap-on uses a proprietary blend of special alloy steel that provides long life and great strength



Extension Adaptor

Stock No.	A	B	C	D
IMXA42	3/8	1/2	1/2	4



Universal Joints (Impact)

Stock No.	Socket Attachment	A	B
IP80D	Ball Type	1-1/4	2-3/4
IP80D	Pin Type	1-1/4	2-3/4

202IP 2 pc Combination Drive Impact Universal Joint Set

- Includes IPF800B 3/8" Drive Friction Ball Swivel Ball Impact Universal Joint and IP80D 1/2" Drive Swivel Ball Lock Button Impact Universal Joint in a storage tray



Swivel Extensions (1/2")

- Laser-welded pivot pin allows smooth, full 30° swivel action for efficient power transfer
- Manufactured from special alloy steel and heat treated for optimum strength and durability
- Provides versatility for the technician as they can use any shallow, semi-deep, deep, 6-point, 12-point, metric or SAE impact socket, and are not limited to just one size

IP5X6 1/2 Drive 6" Swivel Impact Extension

- Removes and installs bolts/nuts with a 1/2" impact gun
- Technician can use any shallow, semi-deep, deep, 6-point, 12-point, metric or SAE impact socket with this extension
- Employs friction ball socket retention method

IP5XL6 1/2 Drive 6" Swivel Impact Pinned Extension

- Removes and installs bolts/nuts with a 1/2" impact gun
- Technicians can use any shallow, semi-deep, 6-point, 12-point, metric or SAE impact socket with this extension
- Laser welded pivot pin allows smooth, full 30° swivel action for efficient power transfer
- Employs lock button engagement in side lock holes of socket ensuring positive retention



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Wear safety goggles while using impact drivers.
- Do not hold a rivet joint during use.
- Read Safety Precautions on pages W1-W4

FLANK DRIVE® IMPACT SOCKETS



IMM150A



310IMMYA



Shallow, mm

mm	Set Contains:							Set Contains:			
	6	12	A	B	C	D	E	6	6	6	12
10	IMM100A	IMDM100A	19.0	22.6	22.2	38.1	7.9	*			*
11	IMM110A	IMDM110A	19.2	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	27.0	44.5	15.9		*	*	*
24	IMM240	IMDM240	34.9	34.9	27.0	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	60.8	21.6				
32	IMM320	IMDM320	45.8	45.8	32.1	60.8	22.4				
34	IMM340	—	47.6	42.9	40.5	62.4	22.4				
36	IMM360	IMDM360	50.5	45.8	40.5	67.2	22.4				
39	—	IMDM390	53.8	39.6	39.6	60.8	22.3				
46	IMM460	—	64.8	47.6	50.3	69.9	29.7				

Sets include storage tray

ASME/ANSI B107.33M

IMDM360 1/2" Drive 12-Point Metric 36 mm Flank Drive® Shallow Impact Socket

- Snap-on® impact sockets are heat-treated to optimize impact service life with a lower hardness than hand sockets and are able to withstand repeated cycling loads of impact wrenches
- Snap-on uses a proprietary blend of special alloy socket steel that provides long life and great strength
- Flank Drive® wrenching system delivers up to 20% more turning power without slipping or rounding while exceeding ANSI® performance standards
- Applications include the removal and installation of Duramax® Diesel front crankshaft bolt, late-model BMW® axle shafts, and 2003 GM® and 2004 Dodge® pinion nuts on trucks with 11.5 AAM axles

IMDM320 1/2" Drive 12-Point Metric 32 mm Flank Drive® Shallow Impact Socket

- Applications include servicing axle nuts on 1992–1999 Mercedes-Benz® W140 chassis SC and SL Class; Porsche® Boxster®, Cayenne® and 944; plus 2007–later BMW® X3®, X5® and X6® Series vehicles
- Other uses include drive shaft nuts on 2003–later VW® Touareg® vehicles

IMDM390 1/2" Drive 12-Point Metric 39 mm Flank Drive® Shallow Impact Socket

- Applications include the front axle hub of 2007 Toyota® Tundra® 4WD; and servicing inner rack and pinion nuts on BMW® X5® and X6® vehicles

IMDM270 1/2" Drive 12-Point Metric 27 mm Flank Drive® Shallow Impact Socket

IMDM410 1/2" Drive 12-Point Metric 41 mm Flank Drive® Shallow Impact Socket






- Applications include removal and installation of lower ball joint on 2013 current BMW® 5 and 7 Series vehicles
- 41 mm, 12-point, 1/2" drive

FLANK DRIVE® IMPACT SOCKETS

1/2" DRIVE TOOLS



Shallow, inches





			A	B	C	D	E		
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	1-3/16	1-3/16	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 include storage tray

ASME®/ANSI® B107.2



Semi-Deep, mm

		A	B	C	D	E		
10	IMMS100	15.1	23.0	30.1	56.4	7.1		
12	IMMS120	19.8	23.0	30.1	56.4	8.7		
13	IMMS130	21.4	23.0	30.1	56.4	9.5		
14	IMMS140	22.2	23.0	30.1	56.4	10.3		
15	IMMS150	23.8	23.0	17.7	56.4	10.3		•
16	IMMS160	24.6	24.6	31.2	56.4	11.9		•
17	IMMS170	25.4	25.4	11.1	56.4	11.1	•	•
18	IMMS180	27.0	27.0	11.1	56.4	12.7	•	•
19	IMMS190	28.6	28.6	30.9	56.4	13.5	•	•
20	IMMS200	30.2	30.2	30.7	56.4	13.5	•	•
21	IMMS210	31.8	31.8	30.7	56.4	13.5	•	•
22	IMMS220	33.3	33.3	35.0	60.3	13.5	•	•
23	IMMS230	34.1	34.1	35.0	60.3	15.9		•
24	IMMS240	34.9	34.9	35.0	60.3	16.1	•	•
25	IMMS250	36.5	36.5	34.4	60.3	15.9		•
27	IMMS270	39.7	39.7	34.4	60.3	19.6	•	•
30	IMMS300	42.9	42.9	37.5	63.5	21.4		
32	IMMS320	46.0	46.0	37.5	63.5	22.2		
34	IMMS340	44	52	51.5	70	22		
36	IMMS360	51	44	51.5	70	22		

Sets include storage tray

ASME®/ANSI® B107.33M



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4.

FLANK DRIVE® IMPACT SOCKETS



IMS300



312IMS



Semi-Deep, inches

Socket Size	Socket Part	Set Contains:					307IMS		312IMS	
		A	B	C	D	E	6	6		
1/2	IMS160	27/32	29/32	1-17/32	2-7/32	3/8		*		
9/16	IMS180	7/8	29/32	1-17/32	2-7/32	13/32	*	*		
5/8	IMS200	31/32	31/32	1-7/32	2-7/32	15/32	*	*		
11/16	IMS220	1-1/16	1-1/16	1-7/32	2-7/32	1/2	*	*		
3/4	IMS240	1-1/8	1-1/8	1-3/16	2-7/32	17/32	*	*		
13/16	IMS260	1-1/4	1-1/4	1-3/16	2-7/32	9/16	*	*		
7/8	IMS280	1-5/16	1-5/16	1-3/8	2-13/32	5/8	*	*		
15/16	IMS300	1-3/8	1-3/8	1-11/32	2-13/32	21/32	*	*		
1	IMS320	1-7/16	1-7/16	1-11/32	2-13/32	23/32		*		
1-1/16	IMS340	1-9/16	1-9/16	1-11/32	2-13/32	3/4		*		
1-1/8	IMS360	1-5/8	1-5/8	1-7/16	2-1/2	25/32		*		
1-1/4	IMS400	1-3/4	1-3/4	1-7/16	2-1/2	7/8		*		

Sets include storage tray

ASME®ANSI® B107.2



SIMM340



310SIMMYA



Deep, mm

Socket Size	Socket Part	Socket Part	Set Contains:					305SIMY		310SIMMYA		307PMS101E		312SIM		315SIMMYA		323SIM		312SIMDM	
			A	B	C	D	E	6	6	6	6	6	6	6	6	6	6	12			
10	SIMM100A	SIMDM100	17.5	23.0	65.8	82.6	7.1		*				*	*							
11	SIMM110A	SIMDM110	18.3	23.0	65.8	82.6	7.9		*				*	*							
12	SIMM120A	SIMDM120	19.8	23.0	65.8	82.6	8.7		*				*	*							
13	SIMM130A	SIMDM130	21.4	23.0	65.8	82.6	9.5		*				*	*							
14	SIMM140A	SIMDM140	22.2	23.0	65.8	82.6	10.3		*				*	*							
15	SIMM150A	SIMDM150	23.8	23.8	64.3	82.6	10.3		*		*	*	*	*							
16	SIMM160A	SIMDM160	24.6	24.6	68.4	82.8	11.9		*		*	*	*	*							
17	SIMM170	SIMDM170	25.4	25.4	68.5	82.8	11.1		*		*	*	*	*							
18	SIMM180	SIMDM180	27.0	27.0	68.5	82.6	12.7		*		*	*	*	*							
19	SIMM190	SIMDM190	28.6	28.6	68.3	82.8	13.5		*		*	*	*	*							
20	SIMM200	SIMDM200	30.2	30.2	67.9	82.6	13.5		*		*	*	*	*							
21	SIMM210	SIMDM210	31.8	31.8	67.9	82.6	13.5		*		*	*	*	*							
22	SIMM220	SIMDM220	33.3	33.3	63.9	81.9	13.5		*		*	*	*	*							
23	SIMM230	SIMDM230	34.1	34.1	63.9	81.9	16.9		*		*	*	*	*							
24	SIMM240	SIMDM240	34.9	34.9	63.5	81.9	15.9		*		*	*	*	*							
25	SIMM250	SIMDM250	36.5	36.5	63.4	81.9	15.9		*	*	*	*	*	*							
26	SIMM260	—	38.1	38.1	63.4	81.9	15.9		*	*	*	*	*	*							
27	SIMM270	SIMDM270	39.7	39.7	63.4	81.9	16.8		*	*	*	*	*	*							
28	SIMM280A	—	41.3	41.3	72.5	81.7	20.6		*	*	*	*	*	*							
29	SIMM290	SIMDM290	41.3	41.3	63.4	81.7	20.6	*		*	*	*	*	*							
30	SIMM300	SIMDM300	42.9	42.9	63.4	81.7	21.4	*		*	*	*	*	*							
32	SIMM320	SIMDM320	46.0	46.0	63.4	81.7	22.2		*	*	*	*	*	*							
33	SIMM330	SIMDM330	46.0	46.0	72.5	81.7	22.2		*	*	*	*	*	*							
34	SIMM340	SIMDM340	49.3	49.3	72.6	81.9	22.6	*		*	*	*	*	*							
35	SIMM350	SIMDM350	50.8	50.8	72.6	81.9	22.9	*		*	*	*	*	*							
36	SIMM360	SIMDM360	50.8	50.8	72.6	81.9	22.9	*		*	*	*	*	*							

Sets include storage tray

ASME®ANSI® B107.33m

FLANK DRIVE® IMPACT SOCKETS

1/2" DRIVE TOOLS



SIMD300A



313SIMA



Deep, inches

II	6	12	Set Contains:					6	6	6	6	12
			A	B	C	D	E					
3/8	SIM120A	—	19/32	29/32	2-9/16	3-1/4	9/32	•		•		
7/16	SIM140A	—	23/32	29/32	2-9/16	3-1/4	5/16	•		•		
1/2	SIM160A	SIMD160A	27/32	29/32	2-9/16	3-1/4	3/8		•	•	•	•
9/16	SIM180A	SIMD180A	7/8	29/32	2-9/16	3-1/4	13/32		•	•	•	•
5/8	SIM200	SIMD200A	31/32	31/32	2-9/32	3-1/4	15/32		•	•	•	•
11/16	SIM220	SIMD220A	1-1/16	1-1/16	2-9/32	3-1/4	1/2		•	•	•	•
3/4	SIM240	SIMD240A	1-1/8	1-1/8	2-9/32	3-1/4	17/32		•	•	•	•
13/16	SIM260	SIMD260A	1-1/4	1-1/4	2-1/4	3-1/4	19/32		•	•	•	•
7/8	SIM280	SIMD280A	1-5/16	1-5/16	2-1/2	3-1/2	17/32		•	•	•	•
15/16	SIM300	SIMD300A	1-3/8	1-3/8	2-1/2	3-1/2	23/32		•	•	•	•
1	SIM320	SIMD320A	1-7/16	1-7/16	2-15/32	3-1/2	3/4		•	•	•	•
1-1/16	SIM340	SIMD340A	1-9/16	1-9/16	2-15/32	3-17/32	25/32		•	•	•	•
1-1/8	SIM360	SIMD360A	1-5/8	1-5/8	2-15/32	3-17/32	25/32		•	•	•	•
1-3/16	SIM380	SIMD380A	1-11/16	1-11/16	2-15/32	3-17/32	25/32		•	•	•	•
1-1/4	SIM400	SIMD400A	1-3/4	1-3/4	2-15/32	3-17/32	1		•	•	•	•
1-5/16	SIM420H	—	1-13/16	1-13/16	2-15/32	3-17/32	1	•		•		
1-3/8	SIM440	—	1-13/16	1-13/16	2-3/4	3-1/2	7/8	•		•		
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	•		•		
1-3/16	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 include storage tray
ASME/ANSI® B107.2

*Does not include storage tray



311IMFSY



Shallow/Thin Wall, inches

II	6	Set Contains:					6
		A	B	C	D	E	
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	1-15/16	1-3/4	1-3/8	2-1/16	13/16	
1-1/2	IMFS480	2	2	1-3/8	2-1/16	13/16	

Set includes storage tray



- Wear safety goggles while using impact drivers.
- Read Safety Precautions on pages W1-W4.

FLANK DRIVE® IMPACT SOCKETS



SIMML150

Extra-Deep, mm

mm	Stock No.	A	B	C	D	E
15	SIMML150	23.2	26.4	110.2	127.0	10.7
18	SIMML180	29.5	26.8	54.8	127.0	12.7

SIMML180 1/2" Drive 6-Point Metric 18 mm Flank Drive® Extra-Deep Impact Socket

- Applications include the removal and installation of 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



SIMML160

Extra-Deep, inches

- Applications include removing or replacing fuel tank retaining strap nuts
- Also has applications for emergency brake adjustment nuts and stabilizer retainers

11	6	A	B	C	E
1/2	SIMML160	25/32	15/16	4-1/4	3/8
9/16	SIMML180	7/8	15/16	4-1/4	13/32
5/8	SIMML200	31/32	1	4-1/4	15/32
11/16	SIMML220	1-1/16	1-1/16	4-1/4	1/2
11/16	SIMML220	1-1/16	1-1/16	4-1/4	1/2
3/4	SIMML240	1-1/8	1-1/8	4-1/4	9/16
13/16	SIMML260	1-1/4	1-1/4	4-1/4	19/32
7/8	SIMML280	1-5/16	1-5/16	4-1/4	21/32
15/16	SIMML300	1-3/8	1-3/8	4-1/4	23/32
1	SIMML320	1-7/16	1-7/16	4-3/8	3/4
1-1/16	SIMML340	1-9/16	1-9/16	4-5/8	25/32
1-1/8	SIMML360	1-5/8	1-5/8	4-1/8	25/32
1-1/4	SIMML402	1-3/4	1-3/4	5-1/8	1



SIMMF14A

Extra-Deep/Thin Wall, mm

- Sockets are 34% thinner than a standard thin wall socket
- Used to access the nut on long studs and other hard-to-reach areas
- Ideal for wheel lugs

mm	Stock No.	A	B	C	D	E
14	SIMMF14A	29.8	23.8	50.8	76.2	25.4
17	SIMMF17A	23.8	23.8	50.8	76.2	25.4
21	SIMMF21A	25.6	28.6	50.8	76.2	25.4
22	SIMMF22A	39.2	30.2	50.8	76.2	25.4



SIMMF19A

Deep/Thin Wall, mm

mm	Stock No.	A	B	C	D	E
19	SIMMF19A	26.2	28.6	40.5	76.2	19
36	SIMDM360TW	47.2	44.5	72.8	89.9	22.9

SIMDM360TW 1/2" Drive 6-Point Metric 36 mm Flank Drive® Deep Pinion Flange Nut Impact Socket

- Thin-wall design provides extra room needed to remove and install the differential pinion flange nut on the 2012 Chevrolet® Camaro® (USA) and Holden Commodore (Australia) vehicles

FLANK DRIVE® IMPACT SWIVEL SOCKETS

1/2" DRIVE TOOLS



307RIPLMY

Low Profile Swivel, mm

mm	6	A	B	C	D	E	6
14	RIPLM14C	21.2	26.7	7.2	53.1	6.7	*
15	RIPLM15C	23.0	31.4	7.7	60.4	6.7	*
17	RIPLM17C	25.2	31.4	8.6	61.9	7.6	*
18	RIPLM18C	26.4	31.4	9.0	61.9	8.0	*
19	RIPLM19C	26.8	31.4	9.5	63.5	8.5	*
21	RIPLM21C	30.0	31.4	10.1	64.7	9.2	*
24	RIPLM24C	34.0	31.4	11.6	67.3	10.6	*

Sets include storage tray

Set Contains: 307RIPLMY



RIPLM14C



312IPLM

Shallow Swivel, mm

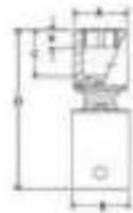
mm	6	12	A	B	C	D	E	6	6
16	IPLM10C	—	15.5	26.8	26.8	69.3	9.7	*	
11	IPLM11C	—	17.5	26.8	26.8	69.3	9.7	*	
12	IPLM12C	IPDLM12	18.0	26.8	26.8	69.3	9.7	*	
13	IPLM13C	IPDLM13A	19.7	26.8	26.8	69.3	9.7	*	
14	IPLM14C	—	21.3	26.8	26.8	69.3	9.7	*	*
15	IPLM15C	—	23.0	31.9	31.9	69.3	9.7	*	*
16	IPLM16C	IPDLM16A	24.4	31.9	31.9	71.1	10.4	*	*
17	IPLM17C	IPDLM17A	25.3	31.9	31.9	71.1	10.4	*	*
18	IPLM18C	IPDLM18A	26.5	31.9	31.9	71.1	10.4	*	*
19	IPLM19C	—	26.8	31.9	31.9	71.1	11.2	*	*
21	IPLM21C	—	30.0	31.9	31.9	71.1	12.7	*	*
22	IPLM22C	—	32.4	31.9	31.9	74.4	14.2	*	*
24	IPLM24C	—	34.0	31.9	31.9	74.4	15.0	*	*

Sets include storage tray.

Set Contains: 312IPLM 307RIPLMY



IPDLM12



Deep Swivel, inches

	6	A	B	C	D	E
9/16	SIP18A	7/8	1-1/16	1-1/16	3-1/2	5/16
3/4	SIP24A	1-1/16	1-1/16	1-1/16	3-31/32	7/16



SIP18A

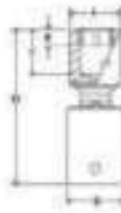


- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Wear safety goggles while using impact drivers.
- Do not hold swivel joint during use.
- Read Safety Precautions on pages W1-W4.

FLANK DRIVE® IMPACT SWIVEL SOCKETS



IPSM21



Semi-Deep Swivel, mm

mm	6	A	B	C	D	E
15	IPSM15	23.0	31.9	31.9	80.6	9.7
18	IPSM18	28.5	31.9	31.9	82.4	10.4
21	IPSM21	30.0	31.9	31.9	82.4	12.7
22	IPSM22	32.4	31.9	31.9	82.4	14.2



307RIPLY



RIPL18C



Low Profile Swivel, inches

11	6	A	B	C	D	E	6
9/16	RIPL18C	27/32	1-1/16	5/16	2-3/16	1/4	*
5/8	RIPL20C	31/32	1-1/4	11/32	2-5/16	1/4	*
11/16	RIPL22C	1-1/16	1-1/4	11/32	2-7/16	5/16	*
3/4	RIPL24C	1-1/8	1-1/4	3/8	2-19/32	11/32	*
7/8	RIPL28C	1-9/32	1-1/4	7/16	2-27/32	7/16	*
15/16	RIPL30C	1-11/32	1-1/4	15/32	2-13/16	7/16	*
1-1/8	RIPL36C	1-9/16	1-1/4	17/32	3	1/2	*

Set includes storage tray

Set Contains:

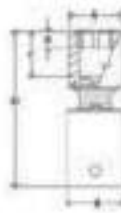
307RIPLY



312IPL



IPL20C



Shallow Swivel, inches

11	6	12	A	B	C	D	E	6	6
1/2	IPL16C	IPDL16	25/32	1-1/32	1-1/32	2-3/4	5/16	*	
9/16	IPL18C	—	27/32	1-1/32	1-1/32	2-3/4	5/16	*	*
5/8	IPL20C	IPDL20	31/32	1-1/16	1-1/16	2-3/4	5/16	*	*
11/16	IPL22C	—	1-1/8	1-1/16	1-1/16	2-13/16	13/32	*	*
3/4	IPL24C	—	1-1/8	1-1/16	1-1/16	2-13/16	7/16	*	*
13/16	IPL26C	—	1-3/16	1-1/16	1-1/16	2-13/16	1/2	*	
7/8	IPL28C	—	1-9/32	1-1/16	1-1/16	2-15/16	17/32	*	*
15/16	IPL30C	—	1-11/32	1-1/16	1-1/16	2-15/16	19/32	*	*
1	IPL32C	—	1-11/32	1-1/16	1-1/16	2-15/16	21/32	*	
1-1/16	IPL34C	—	1-7/16	1-5/16	1-5/16	2-15/16	11/16	*	
1-1/8	IPL36C	—	1-9/16	1-1/16	1-1/16	3-1/8	3/4	*	*
1-3/16	IPL38C	—	11/16	1-1/4	1-1/4	3-3/8	23/32	*	
1-1/4	IPL40C	—	1-5/8	1-1/16	1-1/16	3-3/8	25/32		
1-5/16	IPL42C	—	1-3/4	1-5/16	1-5/16	3-3/8	7/8		

Sets include storage tray.

Set Contains:

312IPL

307RIPLY

SPECIAL APPLICATION IMPACT SOCKETS



IMSLE180

IMSLE200

IMSLE240



305TTWYA

TORX®/Shallow Impact

#	Stock No.	A	B	C
E18	IMSLE180	29/32	29/32	1-1/2
E20	IMSLE200	15/16	15/16	1-1/2
E24	IMSLE240	1-1/16	1-5/16	1-1/2

IMSLE180 1/2" Drive TORX® E18 Shallow Impact Socket

- Remove and install brake rotor bolts on 2000–newer F550® Super Duty

IMSLE200 1/2" Drive TORX® E20 Shallow Impact Socket

- Various applications on Mercedes® and BMW® vehicles; heavy-duty trucks with Mercedes® engines and rear brake caliper bolts on BMW® X5®

IMSLE240 1/2" Drive TORX® E24 Shallow Impact Socket

- Used for front axle nut on M, C, E and S Class Mercedes-Benz® vehicles

Twist/Shallow, inches

Set Contains:

#	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	•

Set includes storage tray

305TTWYA 5 pc 1/2" Drive SAE Shallow Twist Impact Socket Set (Blue-Point®)

- Includes TTWY241A–TTWY321A (3/4–1")
- Removes rounded or damaged fasteners with almost any head configuration (hex, round, square and more)
- Can be used with an impact wrench
- Manufactured from heat-treated alloy steel
- Black industrial finish

Low-Profile TORX Plus® Impact (1/2")

IMSLEPL240 1/2" Drive 24EPL TORX Plus® Low-Profile Impact Socket

- Impact-rated TORX Plus® socket
- Low-profile geometry for use with low-profile fasteners
- Manufactured from special steel with higher alloy content
- Industrial finish helps protect against corrosion
- Precision machined and heat-treated for optimum strength and durability



IMSLEPL240

Shackle Pin

SPS10A 1/2" Drive SAE 41/64" Shackle Pin Impact Socket

- Designed with an oval configuration to service shackle pins on International® and Kenworth® semitrucks

SPS11A 1/2" Drive SAE 21/32 x 1-17/32" Shackle Pin Impact Socket

- Socket opening is 21/32 x 1-17/32"; 1-3/4" long

SPS12 1/2" Drive SAE 3/4 x 1-9/32" Shackle Pin Impact Socket

- For use on Freightliner® 120 Series and trucks with newer large spring bolts
- Impact rated 1/2" drive
- Socket opening is 3/4 x 1-9/32"; 1-3/4" long



SPS10A



A172A

Drum Plug Socket

A172A 1/2" Drive 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
- For use with a 1/2" drive ratchet or impact wrench



- Wear safety goggles while using impact drivers.
- Do not hold external joint during use.
- Read Safety Precautions on pages W1–W4.

SPECIAL APPLICATION IMPACT SOCKETS



S6324

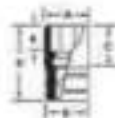
Crankshaft Bolt Socket

S6324 1/2" Drive 6-Point Metric 24 mm Crankshaft Bolt Impact Socket

- Used for removing and installing crankshaft 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 crankshaft bolt application
- 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



DPSM16



Shallow/10-Point, mm

mm	10	A	B	C	D
16	DPSM16	24.8	24.8	38.1	11.9

DPSM16 1/2" Drive 10-Point Metric 16 mm Shallow Impact Socket

- Used 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

POWER ACCESSORIES



PS10

Extensions/Lock Button, Industrial

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
PA4F	Pin Type	1/2	3/8	15/16	1-13/16
PA2A	Pin Type	3/8	1/2	3/4	1-5/16



A3011A

Hex Shanks (Power)

Stock No.	Socket Attachment	A	B	C	D
A3011A	Pin Type	1/2	7/16	1-1/4	2-3/4

POWER SOCKETS

1/2" DRIVE TOOLS

Deep, mm, Industrial

mm	6	A	B	C	D	E
17	SPM17	24.8	24.8	66.6	82.6	12.7
19	SPM19	29.4	29.4	64.8	82.6	11.9
21	SPM21	29.3	29.3	64.8	82.6	12.3



SPM19



Double Square/Shallow, inches, Industrial

8	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



P412



Double Square/Deep, inches, Industrial

8	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	1-5/8	2-23/32	3-1/2	27/32



SIPR426



Double Square/Extra-Deep, inches, Industrial

8	8	A	B	C	D	E
1-1/8	SIPRL436	1-15/16	1-1/2	4-13/32	5	27/32



SIPRL436



Shallow Magnetic, inches, Industrial

6	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



MPK121A



- Do not use adapters with impact drivers.
- Do not exceed torque stamped on adapter.
- Do not use chrome or industrial finish hand tools with impact drivers.
- Do not use power sockets or accessories with impact drivers.
- Do not use power tools or accessories with impact drivers.
- Read Safety Precautions on pages W1-W4.

POWER BIT SOCKETS



PSTX50E



★ TORX®/Standard (Power), Industrial (1/2")

#	Stock No.	A	B	C	D
T45	PSTX45E	2-29/64	61/64	29/32	FTX45E2
T50	PSTX50E	2-29/64	61/64	29/32	FTX50E2
T55	PSTX55E	2-29/64	61/64	1-1/4	FTX55E2
T50	PSTX500E*	2-29/64	61/64	29/32	FTX500E2

*GM® Style TORX®



PSA10E



Hex/Standard (Power), inches, Industrial (1/2")

Hex	Stock No.	A	B	C	D
5/16	PSA10E	2-29/64	61/64	29/32	PA10E2
3/8	PSA12E	2-41/64	1-9/64	29/32	SA12E2
7/16	PSA14E	2-57/64	1-25/64	29/32	SA14E2
1/2	PSA16E	3-1/8	1-5/8	29/32	SA16E2
9/16	PSA18E	3-13/64	1-21/32	1-1/32	SA18E2
5/8	PSA20E	3-13/32	1-41/64	1-11/64	LAW120E2
3/4	PSA24E	4-3/64	2-15/64	1-3/8	LAW124E2

SURFACE DRIVE SOCKETS



DTM15A



Shallow, mm, Natural

mm	Hex	A	B	C	D	E
15	DTM15A	22.3	22.8	21.3	38.1	10.7



DTSM13A



Deep, mm, Natural

mm	Hex	A	B	C	D	E
13	DTSM13A	19.3	21.6	65.8	62.6	10.2
15	DTSM15A	22.3	21.6	65.8	62.6	10.7



DTS16A



Deep, inches, Natural

Hex	Hex	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



M3115



Surface Drive (M-Series)

- Snap-on® M-Series sockets offer a precise fit, optimum hardness, durability, ring-groove and pin hole for use on a variety of industrial fastening applications
- M-Series sockets feature surface drive technology to ensure a long service life
- Used 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

mm	Hex	A	B	C	D	E
11	M3111	16.6	23.6	19.1	38.1	6.1
13	M3113	22.0	23.6	19.1	38.1	6.7
15	M3115	23.6	23.6	21.3	38.1	12.4
18	M3118	28.4	28.4	21.3	38.1	11.2
15	M3215	23.6	23.6	40.4	57.2	12.4

GENERAL SERVICE SETS



360MB

6/12-Point, Inches, Chrome

59 pc 1/2" Drive 6-/12-Point SAE Shallow/Deep/Universal General Service Socket Set

- Includes (16) 12-point Shallow Sockets (3/8–1-5/16")
- Includes (11) 6-point Deep Sockets (1/2–1-1/8")
- Includes (10) 12-point deep sockets (1/2–1-1/16")
- Includes (7) 6-point Universal Sockets (9/16–15/16")
- Includes Ratchet Spinner, Speeder, Universal Joint, Sliding T-Handle, Ratcheting Adaptor, Dual 80[®] Technology Standard Handle Ratchet, 18" Breaker Bar, 2" Extension, 5" Knurled Extension, 11" Knurled Extension, 3-1/2" Extension and 1/4–1/2" capacity Stud Remover

- Includes metal box

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		

ASME[®]ANSI[®] B107.1

6-Point Universal Socket Set	307SUY**	9/16–15/16" (7 pc)
Also Includes	A17A	1/2" Drive 15/16" Blade Width Drag Link Socket
	A80A	Stud Remover
	KRA21G	Metal Box
	LRS70A†	1-19/32" Ratchet Spinner
	S12L†	12" Sliding T-Handle
	S4†	18-7/8" Speeder
	S8	2-11/16" Universal Joint
	S77A†	Ratchet Adaptor
	S80A†	Standard Handle Ratchet
	SL80A†	Long Handle
	SN18B†	18" Breaker Bar
	SX2*	2" Extension
	SXK3**	3-1/2" Extension
	SXK5**	5" Knurled Extension
	SXK11**	11" Knurled Extension

Set includes storage tray
**ASME[®]ANSI[®] B107.1CM

*Not knurled
†ASME[®]ANSI[®] B107.10



345MMB

12-Point, mm, Chrome

45 pc 1/2" Drive 12-Point Metric Shallow/Deep General Service Socket Set

- Includes (45) metric 12-point Flank Drive[®] shallow socket set (10–32 mm), metric 12-point Flank Drive[®] deep socket set (12–24 mm), speeder, universal joint, sliding t-handle, ratchet adaptor, Dual 80[®] Technology standard handle ratchet, 18" breaker bar, 3-1/2" extension, 5" knurled extension and 11" knurled extension

mm	Stock No.
10	SWM101A
11	SWM111A
12	SWM121A
13	SWM131A
14	SWM141A
15	SWM151A
16	SWM161
17	SWM171
18	SWM181
19	SWM191
20	SWM201
21	SWM211
22	SWM221
23	SWM231
24	SWM241
25	SWM251
26	SWM261
27	SWM271
28	SWM281
29	SWM291
30	SWM301
31	SWM311
32	SWM321

12-Point Universal Socket Set	3135MYA	13 pc 1/2" Drive 12-Point Metric Flank Drive [®] Deep Socket Set
Also Includes	S12L	12" Drive 12" Sliding T-Handle
	S4	18-7/8" Speeder
	S8	2-11/16" Universal Joint
	S77A	Ratchet Adaptor
	S80A	Standard Handle Ratchet
	SN18B	18" Breaker Bar
	SXK3	3-1/2" Extension
	SXK5	5" Knurled Extension
	SXK11	11" Knurled Extension

Sets include storage tray

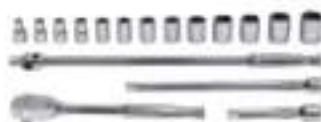
ASME[®]ANSI[®] B107.1



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Wear safety goggles (use and bystanders).
- For hand use only.
- Read Safety Precautions on pages W1–W4


1/2" DRIVE TOOLS

GENERAL SERVICE SETS



317MSPC

6-Point, Inches, Chrome

	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	Standard Handle Ratchet
	SN18B	18" Breaker Bar
	SXK5	5" Knurled Extension
	SXK11	11" Knurled Extension

ASME[®]ANSI[®] B107.10



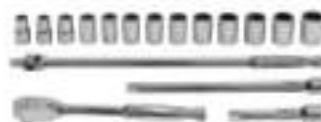
317MPC

12-Point, Inches, Chrome

	Stock No.
3/8	SW121A
7/16	SW141A
1/2	SW161A
9/16	SW181A
5/8	SW201
11/16	SW221
3/4	SW241
13/16	SW261
7/8	SW281
15/16	SW301
1	SW321
1-1/16	SW341
1-1/8	SW361


Also Includes	S80A	Standard Handle Ratchet
	SN18B	18" Breaker Bar
	SXK5	5" Knurled Extension
	SXK11	11" Knurled Extension

ASME[®]ANSI[®] B107.10



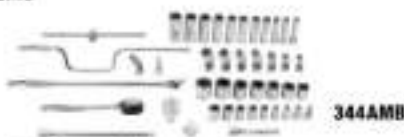
317AMMPC

6-Point, mm Chrome

	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	Standard Handle Ratchet
	SN18B	18" Breaker Bar
	SXK5	5" Knurled Extension
	SXK11	11" Knurled Extension

ASME[®]ANSI[®] B107.10



344AMB

6/12-Point, Inches, Chrome

	12-Point Shallow Sockets	Size, Inches	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 Socket Set	3075UY	W16-15/16" (7 pc)
Also Includes	LR570A	1-19/32" Ratchet Spinner
	S4	15-7/16" Speeder
	S8	2-11/16" Universal Joint
	S12L	12" Sliding T-Handle
	S77A	Ratchet Adaptor
	S80A	Standard Handle Ratchet
	SN18B	18" Breaker Bar
	SX2	2" Extension
	SXK5	5" Knurled Extension
	SXK11	11" Knurled Extension

ASME[®]ANSI[®] B107.10

RATCHETS, HANDLES AND ACCESSORIES (Blue-Point®)

1/2" DRIVE TOOLS



BPRS940



BPRS940SG



Quick-Release Ratchets (Blue-Point®) (1/2")

Stock No.	Description	Gear Teeth	Gear Action	A	B	C
BPRS940	1/2" Drive Standard Handle Quick-Release Ratchet (Blue-Point®)	40	9°	23/32	1-23/32	9-7/8
BPRS940SG	1/2" Drive Soft Grip Standard Handle Quick-Release Ratchet (Blue-Point®)	40	9°	23/32	1-23/32	9-7/8

ASME/ANSI B107.10

BPR703 3 pc Standard Handle Quick-Release Ratchet Set (Blue-Point®)

- Includes 1/4" Drive BPRTR936, 3/8" Drive BPRFR938 and 1/2" Drive BPRS940 Ratchets (3 pc) in a storage tray
- Features 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
- All ratchets in series meet or exceed ANSI® B107-10M-1996 specifications



BLPBB1215



BLPBB1224



Breaker Bars (Blue-Point®) (1/2")

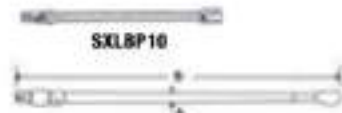
Stock No.	Description	A	B	C
BLPBB1215	1/2" Drive 15" Breaker Bar	1-1/8	15	3/4
BLPBB1224 ¹	1/2" Drive 12-24" Adjustable Breaker Bar	1-1/16	12-24	5/8-7/8



S13TURBO



SXLBP3



SXLBP10

Turbo T-Handle (Blue-Point®)

Stock No.	Description	Handle Type
S13TURBO	1/2" Square Drive Turbo Speed T-Handle (Blue-Point®)	Turbo T-Handle

Locking Extensions, Chrome (Blue-Point®)

Stock No.	B
SXLBP3	3
SXLBP6	6
SXLBP10	10



BLPEXTK123



BLPEXTL1212



Knurled Extensions, Chrome (Blue-Point®)

Stock No.	B
BLPEXTK123	3
BLPEXTK126	6
BLPEXTK1210	10

Extra-Long Locking Extensions (Blue-Point®)

- Smooth, durable chrome finish
- Made from tough 6130 steel
- Secure socket retention
- Do not use with power or impact tools

Stock No.	Description	B	Set Contains:
BLPEXTL1212	1/2" Drive 12" Extra-Long Locking Extension (Blue-Point®)	12-1/8	•
BLPEXTL1218	1/2" Drive 18" Extra-Long Locking Extension (Blue-Point®)	18	•
BLPEXTL1224	1/2" Drive 24" Extra-Long Locking Extension (Blue-Point®)	24	•

Set includes storage tray

Set Contains: 10



BLPUJ12



303AIMXL



Universal Joints, Chrome (Blue-Point®)

Stock No.	B
BLPUJ12	2-3/4

Extra-Long Locking Impact Extensions (Blue-Point®)

Stock No.	Description	A	B	Set Contains:
IMXL182	1/2" Drive 18" Locking Impact Extension (Blue-Point®)	5/8	18	•
IMXL242	1/2" Drive 24" Locking Impact Extension (Blue-Point®)	5/8	24	•
IMXL312	1/2" Drive 31" Locking Impact Extension (Blue-Point®)	5/8	31	•

Set includes storage tray

Set Contains: 24



- Do not use "cheater bars" on handles
- Push, do not pull on handle
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4

SOCKETS (Blue Point®)



BLPSM1216



Shallow, mm, Chrome (Blue-Point®)

mm	6	A	B	C
12	BLPSM1212	38	21.9	17.9
13	BLPSM1213	38	21.9	19.1
14	BLPSM1214	38	21.9	20.4
15	BLPSM1215	38	21.8	21.8
16	BLPSM1216	38	22.9	22.9
17	BLPSM1217	38	24.1	24.1
18	BLPSM1218	38	25.4	25.4
19	BLPSM1219	38	26.5	26.5
20	BLPSM1220	38	27.5	27.8
21	BLPSM1221	38	28.5	28.5
22	BLPSM1222	41	29.0	29.9
23	BLPSM1223	41	31.1	31.1
24	BLPSM1224	41	32	32
27	BLPSM1227	44	36	36
30	BLPSM1230	44	38.8	39.8
32	BLPSM1232	44	42	42



BLPS1234



Shallow, Inches, Chrome (Blue-Point®)

#	6	A	B	C
3/8	BLPS1238	1-1/2	55/64	39/64
7/16	BLPS12716	1-1/2	55/64	5/8
1/2	BLPS1212	1-1/2	55/64	3/4
9/16	BLPS12916	1-1/2	55/64	13/16
5/8	BLPS1258	1-1/2	29/32	29/32
11/16	BLPS121116	1-1/2	31/32	31/32
3/4	BLPS1234	1-1/2	1-1/16	1-1/16
13/16	BLPS121316	1-1/2	1-1/8	1-1/8
7/8	BLPS1278	1-5/8	1-11/64	1-11/64
15/16	BLPS121516	1-5/8	1-1/4	1-1/4
1	BLPS121	1-5/8	1-21/64	1-21/64
1-1/16	BLPSB121116	1-3/4	1-13/32	1-13/32
1-1/8	BLPSB12118	1-3/4	1-1/2	1-1/2
1-3/16	BLPSB121316	1-3/4	1-9/16	1-9/16
1-1/4	BLPSB12114	1-3/4	1-21/32	1-21/32



BLPTE1220



★ TORX®/External, Chrome (Blue-Point®)

#	Stock No.	A	B	C
E18	BLPTE1218	1-9/16	7/8	7/8
E20	BLPTE1220	1-9/16	29/32	29/32
E22	BLPTE1222	1-9/16	1	1
E24	BLPTE1224	1-9/16	1-1/8	1-1/8

TORX® BIT SOCKETS (Blue Point®)



BLPTL1255



BLPT1255



TORX®/Standard (Blue-Point®)

	#	Stock No.	A	B	C
Standard	T55	BLPT1255	2-23/64	7/8	23/32
	T60	BLPT1260	2-23/64	7/8	25/32
Long	T55	BLPTL1255	4-15/64	7/8	23/32
	T60	BLPTL1260	4-15/64	7/8	25/32



BLPT1255TP



BLPTL1255TP



★ TORX®/Tamper-Resistant, Chrome (Blue-Point®) (1/2")

	#	Stock No.	A	B	C
Standard	T55	BLPT1255TP	2-23/64	7/8	23/32
	T60	BLPT1260TP	2-23/64	7/8	25/32
Long	T55	BLPTL1255TP	4-15/64	7/8	23/32
	T60	BLPTL1260TP	4-15/64	7/8	25/32

HEX BIT SOCKETS (Blue Point®)

Hex/Standard, mm,
Chrome (Blue-Point®) (1/2")



mm		A	B	C
10	BLPH1210	60	22.5	18
14	BLPH1214	61	25	25
17	BLPH1217	61	28	28
19	BLPH1219	61	30	30
12	BLPHM1212	60	22.5	20

Hex/Standard, Inches,
Chrome (Blue-Point®) (1/2")



		A	B	C
1/2	BLPH1212	2-13/32	7/8	25/32
3/4	BLPH1234	2-13/32	1-3/16	1-3/16
5/8	BLPH1258	2-13/32	1-1/16	1-1/16
7/16	BLPH12716	2-13/32	7/8	25/32
9/16	BLPH12916	2-13/32	1	1

COMBINATION BIT SOCKET SETS (Blue Point®)

Combination Bit Socket Sets (Blue-Point®)

BLPTSSC43 43 pc Combination Drive TORX® Socket and TORX® Bit Socket Set (Blue-Point®)

- 1/4" drive components include (5) External Sockets (E4-E8), (10) Tamper-Resistant TORX® Bit Sockets (T6-T30) and (10) Tamper-Resistant TORX® Long Bit Sockets (T6-T30)
- 3/8" drive components include: (4) External TORX® Sockets (E10-E16), (3) Tamper-Resistant TORX® Bit Sockets (T40, T45 and T50) and (3) Tamper-Resistant TORX® Long Bit Sockets (T40, T45 and T50)
- 1/2" drive components include: (4) External TORX® Sockets (E18-E24), (2) Tamper-Resistant TORX® Bit Sockets (T55 and T60) and (2) Tamper-Resistant TORX® Long Bit Sockets (T55 and T60)
- Includes storage case



BLPTSSC43

BLPHSSC30 30 pc Combination Drive Hex Bit Socket Set (Blue-Point®)

- 1/4" drive components include (6) SAE Hex Bit Sockets (1/8-1/4") and (5) Metric Hex Bit Sockets (2.5-6 mm)
- 3/8" drive components include (5) SAE Hex Bit Sockets (7/32-7/16") and (5) Metric Hex Bit Sockets (6-10 mm)
- 1/2" drive components include (4) SAE Hex Bit Sockets (1/2-3/4") and (5) Metric Hex Bit Sockets (10-19 mm)
- Includes storage case



BLPHSSC30

BLPHSSC30PB Case for BLPHSSC30 (Blue-Point®)

- Case only

BLPTH87 87 pc TORX® and Hex Bit Socket Set (Blue-Point®)

- 1/4" drive components include (5) External TORX® Sockets (E4-E8), (10) TORX® Bit Sockets (T6-T30), (10) Long TORX® Bit Sockets (T6-T30), (5) Metric Hex Bit Sockets (2.5-6 mm), (3) Long Metric Hex Bit Sockets (4-6 mm), (6) Hex Bit Sockets (1/8-1/4") and (3) Long Hex Bit Sockets (1/8-3/16")
- 3/8" drive components include (4) External TORX® Sockets (E10-E16), (3) TORX® Bit Sockets (T40-T50), (3) Long TORX® Bit Sockets (T40-T50), (5) Metric Hex Bit Sockets (6-10 mm), (4) Long Metric Hex Bit Sockets (7-10 mm), (4) Hex Bit Sockets (7/32-3/8") and (4) Long Hex Bit Sockets (7/32-3/8")
- 1/2" drive components include (4) External TORX® Sockets (E18-E24), (2) TORX® Bit Sockets (T55, T60), (2) Long TORX® Bit Sockets (T55, T60), (5) Metric Hex Bit Sockets (10-19 mm) and (5) Hex Bit Sockets (7/16-3/4")
- Includes storage case



BLPTH87

GENERAL SERVICE SETS

General Service Set (Blue-Point®) (1/2")

- Great for use at home or on the road
- Set offers full range of deep and shallow sockets for the most common fastener applications
- Smallest and most compact general service set offered yet
- Compact case fits in a shallow Snap-on® tool box drawer

BLPGSS1233 33 pc 1/2" Drive SAE/Metric General Service Socket Set (Blue-Point®)

- Includes (15) SAE (3/8-1-1/4") (12) Metric (12-24 mm) Standard Sockets, Breaker Bar, Universal Joint, Quick-Release Ratchet and (3) Extensions (3, 6 and 10")
- Includes storage case



BLPGSS1233



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4

RATCHET HEAD/HANDLES



Ratchet Heads, Sealed (3/4")

Stock No.	Description	Gear Teeth	Swing Arc	A	B	C
L872	Sealed Ratchet Head	32	11°	1-1/4	2-1/2	5-15/16
GL872	Sealed Ratchet Head	32	11°	1-1/4	2-1/2	5-15/16

ASME/ANSI B107.10

Handles, Chrome (3/4")



Stock No.	Description	A	B	C
L872RM	Long 36" Handle (lock button end/knurled end)	15/16	.36	1-1/8
L872RJ	Short 19-1/4" Handle (lock button end/knurled end)	15/16	19-1/4	1-1/8
L872H	Short 19-1/4" Handle (lock button both ends)	13/16	19-1/4	15/16

ASME/ANSI B107.10



Head and Handle Combinations (3/4")

	Heads Using 13/16" (small) diameter handle holes	Heads Using 15/16" (large) diameter handle holes	
	L52B Sliding Head	L872 Sealed Ratchet Head	L8112A Breaker Bar Head
Short 19-1/4" Handle (lock button end/knurled end)	L872H	—	L872H
Short 19-1/4" Handle (lock button both ends)	—	L872RJ	L872RJ
Long 36" Handle (lock button end/knurled end)	—	L872RM	L872RM

DRIVE HANDLES



L8112A



L52B

Breaker Bar, Chrome (3/4")

Stock No.	A	B	B	Use with Handle
L8112A	15/16	1-9/16	3-11/16	L872RM or L872RJ

ASME/ANSI B107.10

Sliding T-Handle, Chrome (3/4")

Stock No.	A	B
L52B	1-1/2	2-5/16

ASME/ANSI B107.10

L52B 3/4" Drive 2-5/16" Head Depth

Sliding T-Handle Head

- Designed for heavier applications
- Can be used as a T-handle or as an offset wrench
- Spring-and-friction ball holds head in position
- Use with L872H handle

SOCKET/RATCHET ACCESSORIES



L32

GL42



L82A



Extensions/Lock Button (3/4")

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	1.6

Universal Joint, Chrome

Stock No.	A	B
L82A	1-9/16	3-7/8

SOCKET/RATCHET ACCESSORIES

Square Drive Adaptors, Industrial (3/4")

Stock No.	A	B	C	D
GLA12B	1/2	3/4	1-1/8	1-7/8
GLA51F	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

ASME[®]ANSI[®] B107.10



GLA51F



Ratchet Adaptor, Chrome (3/4")

Stock No.	Description	Gear Teeth	Gear Action	A	B
L672B	Ratchet Adaptor	44	8.2°	2-1/2	3-15/16

ASME[®]ANSI[®] B107.10



L672B







FLANK DRIVE[®] SOCKETS



411LDH



Shallow, Inches, Chrome

		A	B	C	D	E		
3/4	LDH242	1-1/8	1-7/16	1-9/32	2-9/32	39/64		•
13/16	LDH262	1-7/32	1-7/16	1-9/32	2-9/32	21/32		
7/8	LDH282	1-5/16	1-7/16	1-9/32	2-9/32	23/32		•
15/16	LDH302	1-3/8	1-7/16	1-9/32	2-9/32	47/64		•
31/32	LDH312	1-25/64	1-7/16	1-9/32	2-9/32	43/64		
1	LDH322	1-1/2	1-7/16	1-9/32	2-9/32	3/4		•
1-1/16	LDH342	1-9/16	1-1/2	1-11/32	2-9/32	49/64		•
1-1/8	LDH362	1-5/8	1-37/64	1-9/32	2-9/32	51/64		•
1-3/16	LDH382	1-11/16	1-41/64	1-9/32	2-9/32	27/32		
1-1/4	LDH402	1-3/4	1-45/64	1-1/4	2-9/32	27/32		•
1-5/16	LDH422A	1-7/8	1-27/32	1-9/32	2-3/8	55/64		•
1-5/16	LDH442	1-61/64	1-3/4	1-9/16	2-1/2	29/32		•
1-7/16	LDH462	2-1/8	1-3/4	1-9/16	2-1/2	31/32		•
1-1/2	LDH482	2-1/8	1-3/4	1-9/16	2-1/2	1-1/64		•
1-9/16	LDH502	2-3/16	1-3/4	1-9/16	2-1/2	1-5/32	•	
1-5/8	LDH522	2-1/4	1-3/4	1-9/32	2-1/2	1-5/32	•	
1-11/16	LDH542	2-25/64	1-3/4	1-13/16	2-3/4	1-3/16	•	
1-3/4	LDH562	2-7/16	1-3/4	1-13/16	2-3/4	1-2/32	•	
1-13/16	LDH582	2-1/2	1-3/4	1-13/16	2-3/4	1-1/4	•	
1-7/8	LDH602	2-9/16	1-3/4	2-1/16	3	1-19/64	•	
2	LDH642	2-3/4	1-3/4	2-5/16	3-1/4	1-19/64	•	
2-1/16	LDH662	2-3/4	1-3/4	2-7/16	3	1-3/8		
2-1/8	LDH682	2-61/64	1-3/4	2-5/16	3-1/4	1-7/16		
2-3/16	LDH702	2-15/16	1-3/4	2-6/16	3-1/4	1-1/2		
2-1/4	LDH722	3-1/8	1-3/4	2-9/16	3-1/2	1-1/2		
2-3/8	LDH762	3-1/4	1-3/4	2-13/16	3-3/4	1-3/4		

Sets include storage tray

ASME[®]ANSI[®] B107.1



- Do not use "cheater bars" on handles.
- Pull, do not push on handle.
- Do not use adaptors with impact drivers. Do not exceed torque stamped on adaptor.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4.

FLANK DRIVE® SOCKETS



LDHM222



Shallow, mm, Chrome

mm	12	A	B	C	D	E
22	LDHM222	31.1	34.8	30.2	50.8	17.1
24	LDHM242	35.4	34.8	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	48.3	41.2	35.1	58.7	22.1

ASME YANSI® B107.5



LS342



Deep, Inches, Chrome

1-1/16	6	A	B	C	D	E
1-1/16	LS342	1-9/16	1-1/2	2-3/4	3-1/2	1

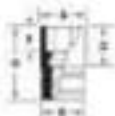
SPLINE SOCKETS

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 6- and 12-point fasteners with an advantage similar to the Snap-on® Flank Drive® wrenching system.



LES242B



3/4" Drive Shallow, Inches, Chrome

Stock No.	A	B	C	D	E		
#24	3/4	LES242B	1-1/16	1-3/8	1-25/32	1-25/32	5/8
#26	13/16	LES262B	1-5/32	1-3/8	13/16	1-25/32	21/32
#28	7/8	LES282B*	1-9/32	1-3/8	7/8	1-27/32	23/32
#30	15/16	LES302B*	1-3/8	1-3/8	15/16	1-29/32	25/32
#32	1	LES322B	1-15/32	1-15/32	1	1-31/32	13/16
#34	1-1/16	LES342B*	1-9/16	1-9/16	1-1/16	2-1/32	7/8
#36	1-1/8	LES362B	1-21/32	1-1/2	1-3/16	2-3/16	15/16

*Not AS984 Compliant

SPECIAL APPLICATION SOCKETS



GLD138



Drag Link Sockets, Industrial

Stock No.	B x A	A	B	C
GLD138	13/64 x 1-3/8	1-3/8 (35)	13/64	2-3/16
GLD139	1/4 x 1-11/16	1-11/16 (43)	1/4	2-3/16

TORX® BIT SOCKETS

TORX®/Standard, Industrial (3/4")

#	Stock No.	A	B	C
T60	T602E	4-31/32	2-13/16	1-5/8
T80	T802E	4-3/8	2-13/64	1-5/8
T90	T902E	4-3/8	2-13/64	1-5/8



T602E



Hex/Standard (Impact), mm (3/4")

mm		A	B	C
17	LAWM17E	104.8	49.5	41.1
19	LAWM19E	112	58.6	41.1



LAWM17E



Hex/Standard (Impact), inches (3/4")

		A	B	C
5/8	LAW120E	3-3/4	1-33/64	1-5/8
3/4	LAW124E	4-3/8	2-7/32	1-5/8



LAW120E



IMPACT ACCESSORIES



IM122B



Extensions (Impact)

Stock No.	A	B
IM132A	1	3
IM62B	1	7
IM92B	1	10
IM122B	1	13



IP82



Swivel Ball Universal Joint (Impact)

- Maximum accessibility design
- No internal spring used

Stock No.	A	B
IP82	1-3/4	3-5/32



IM124B



Square Drive Adaptors (Impact)

Stock No.	A	B	C	D
IM72	3/4	1 with Pin Hole	1-5/8	2-5/16
IM124B	1	3/4 with Pin Hole	2-3/8	2-13/16



IM243P

3/4" Drive 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
IM243R	Synthetic Rubber Locking Ring	1" Drive Sockets/Accessories up to 1-3/8" (35 mm) Plus IM124 Adapter
Use the following for the IM124B Adapter:		
IM243P	Steel Locking Pin	1" Drive Sockets/Accessories up to 1-3/8" (35 mm)

For use on SIM, IM, IMM and SIMM sockets and other accessories.



- Wear safety goggles while using impact drivers.
- Do not hold swivel joint during use.
- Do not use chrome or industrial finish hand tools with power drivers.
- Read Safety Precautions on pages W1-W4

FLANK DRIVE® IMPACT SOCKETS



IMM302



Shallow, mm

Set Contains:

4250MM

mm	6	12	A	B	C	D	E	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	IMMD192A	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	IMMD212	34.9	41.1	27.2	50.8	15.2	•
22	IMM222A	IMMD222A	38.1	41.1	27.2	50.8	15.2	•
23	IMM232A	IMMD232	38.3	41.1	27.2	50.8	16.5	•
24	IMM242A	IMMD242A	39.6	41.1	26.4	50.8	16.5	•
25	IMM252A	IMMD252	39.6	41.1	26.4	50.8	16.3	•
26	IMM262A	IMMD262	39.6	41.1	26.4	50.8	17.5	•
27	IMM272A	IMMD272A	42.6	41.1	26.4	50.8	19.0	•
28	IMM282A	IMMD282	44.7	41.1	32.8	57.2	17.5	•
29	IMM292	IMMD292	46.0	41.1	32.8	57.2	18.0	•
30	IMM302	IMMD302A	47.0	44.5	32.8	57.2	19.1	•
31	IMM312	IMMD312A	49.2	44.5	32.8	57.2	19.1	•
32	IMM322	IMMD322A	50.8	44.5	32.8	57.2	20.8	•
33	IMM332A	IMMD332	50.8	44.5	32.8	57.2	20.3	•
34	IMM342	IMMD342	50.8	44.5	32.8	57.2	22.4	•
35	IMM352	IMMD352	54.0	44.5	32.8	57.2	22.4	•
36	IMM362	IMMD362	54.0	44.5	32.8	57.2	22.4	•
38	IMM382	IMMD382	57.2	44.5	32.8	57.2	23.8	•
40	IMM402	IMMD402	59.7	44.5	45.5	69.9	28.4	•
41	IMM412	IMMD412	60.5	44.5	33.5	57.2	26.2	•
42	IMM422A	IMMD422	63.1	44.5	46.9	66.9	28.6	•
46	IMM462	IMMD462	66.7	44.5	45.5	69.9	29.0	•
50	IMM502	IMMD502	71.4	44.5	52.8	76.2	31.0	•

Set comes with clips and nails.
ASME/ANSI® 107.33M

IMMD202B 3/4" Drive 12-Point Metric 20 mm Flank Drive® Shallow Impact Socket

- Specific applications include removing the head bolts on Caterpillar® C7, C8, C9 and C10 engines

FLANK DRIVE® IMPACT SOCKETS



IM402



IM0302A



Shallow, inches

H	Set Contains:							Set Contains:					
	6	12	A	B	C	D	E	6	6	6	12	12	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	*	*		*	*	
1-3/8	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	*	*	*	*	*	*
2-3/8	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. Set comes with clips and nails. ASME®/ANSI® 107.2

IMD242A 3/4" Drive 12-Point SAE 3/4" Flank Drive® Shallow Impact Socket

- Applications include most Caterpillar® head bolts, Detroit Diesel® main bearing cap bolts, K19 Cummins® head bolts

Shallow, 8-Point, inches

H	8	A	B	C	D	E
13/16	IMD5626	1-15/32	1-9/8	1-1/4	2-1/4	17/32
7/8	IMD5628	1-9/16	1-5/8	1-1/4	2-1/4	37/64
15/16	IMD5630	1-43/64	1-5/8	1-9/16	2-1/4	39/64
1	IMD5632	1-40/64	1-5/8	1-1/2	2-1/4	41/64
1-1/16	IMD5634	1-55/64	1-3/4	1-13/16	2-1/2	51/16
1-1/8	IMD5636	1-15/16	1-3/4	1-13/16	2-1/2	23/32
1-3/16	IMD5638	2-1/32	1-3/4	1-13/16	2-1/2	3/4
1-1/4	IMD5640	2-1/8	1-3/4	1-13/16	2-1/2	51/64
1-5/16	IMD5642	2-7/32	1-3/4	2-1/16	2-3/4	57/64
1-7/16	IMD5644	2-3/8	1-3/4	2-1/16	2-3/4	1-9/64



IMD5636



• Read Safety Precautions on pages W1-W4

FLANK DRIVE® IMPACT SOCKETS



Deep, mm



SIMM212



SIMDM212

mm	6	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
20	SIMM202	33.5	41.1	19.1	76.2	14.2
21	SIMM212	34.2	41.1	37.4	76.2	14.2
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	SIMM252	34.8	41.1	19.1	76.2	16.3
26	SIMM262	38.6	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
31	SIMM312	46.0	41.1	64.3	82.6	19.1
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
41	SIMM432	63.5	44.5	70.0	89	26.7
46	SIMM462	76.7	44.5	72.4	101.6	29.1
46	SIMM462A	66.9	44.5	73.9	95.3	28.4

*Applications include usage on stud piloted, buff style wheels.

ASME®/ANSI® B107.33M

SIMDM212 3/4" Drive 12-Point Metric 21 mm Flank Drive® Deep Impact Socket

- Applications include flywheel bolts on Cummins® ISX engines



4235IM

Set Contains:
4235IM

Deep, inches

11	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	1-5/8	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	•

Set comes with clips and rails.

Larger sizes available on special order.

ASME®/ANSI® B107.2

SIMD242 3/4" Drive 12-Point SAE 3/4" Flank Drive® Deep Impact Socket

SIMD342 3/4" Drive 12-Point SAE 1-1/16" Flank Drive® Deep Impact Socket

- Snap-on® impact sockets are heat-treated to optimize impact service life with a lower hardness than hand sockets and are able to withstand repeated cycling loads of impact wrenches
- Snap-on uses a proprietary blend of special alloy socket steel that provides long life and great strength
- Flank Drive® wrenching system delivers up to 20% more turning power without slipping or rounding while exceeding ANSI® performance standards

FLANK DRIVE® IMPACT SOCKETS

3/4" DRIVE TOOLS

Shallow Thin Wall, mm

mm	6	A	B	C	D	E
50	IMMS03TW	65	57.2	49	82.6	34.6



IMMS03TW



Shallow/Thin Wall, inches

11	6	A	B	C	D	E
1-1/2	IMFS482A	54	44.4	36.6	63.5	24.1

ASME/ANSI B107.5m



IMFS482A



Deep/Thin Wall, inches

11	12	A	B	C	D	E
3/4	IMFDL242	1-3/8	1-5/8	4-3/4	5-3/4	1/2

ASME/ANSI B107.5m



IMFDL242



IMFDL242 3/4" Drive 12-Point SAE 3/4" Flank Drive® Deep Thin Wall Impact Socket

- Designed to remove the head bolts on Caterpillar® C12, C15, C16 and 3406E where the front two and back two head bolts are positioned under the valve covers
- Applications on certain Caterpillar® head bolts require a thin walled socket of 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-later)
- Snap-on® impact sockets are heat-treated to optimize impact service life with a lower hardness than hand sockets and are able to withstand repeated cycling loads of impact wrenches
- Flank Drive® wrenching system delivers up to 20% more turning power without slipping or rounding, while exceeding ANSI® performance standards

Inverted TORX®



IMSLE242A



#	Stock No.	A	B	C
E24	IMSLE242A	1-5/8	1-5/8	3-3/4

IMSLE242A 3/4" Drive E24 Inverted TORX® Impact Socket

- Applications include removal and installation of head bolts on MaxxForce® 11 and 13 engines found on D15 International® (2010-current)

Double Hex, mm



SIMDML202



mm	Stock No.	A	B	C	D	E
20	SIMDML202	35	35.1	120.6	145	13.5

SIMDML202 3/4" Drive 20 mm Double Hex Impact Socket

- For use on CAT® C7 cylinder head bolts, found mostly in CAT® earth moving machinery

Pipe Plug, inches

PPM624 3/4" Drive SAE 3/4" Internal Final Drive Pipe Plug Socket

- Designed for final drive drain plugs on Caterpillar® D8 dozers as well as Komatsu® WA500 wheel loaders and 275, 375 and 475 dozers



PPM624




• Read Safety Precautions on pages W1-W4

GENERAL SERVICE SETS



434HDC

SAE General Service Set
434HDC 35 pc 3/4" Drive 12-Point
 • 35 Tools

 12-Point Shallow Socket	
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
1-5/16	LDH422A
1-9/16	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

ASME[®]ANSI[®] B107.1

Also Includes:	Stock No.	Description
	L32	3/4" Drive 3" Locking Button Extension
	L62	3/4" Drive 8" Locking Button Extension
	L122	3/4" Drive 16" Locking Button Extension
	L52B	3/4" Drive 2-5/16" Head Depth Sliding T-Handle Head
	L872	3/4" Drive Sealed Head Ratchet
	L82A	3/4" Drive 3-7/8" Friction Ball Universal Joint
	L8112A	3/4" Drive 15/16" Breaker Bar Head
	L672B	3/4" Drive Ratchet Adapter
	L872H	3/4" Drive 19-1/4" Plain Locking Button Handle
	PB434HD	Storage Case with Foam

ASME[®]ANSI[®] B107.10



414AHD

SAE Shallow General Service Socket Set
414AHD 15 pc 3/4" Drive 12-Point

 12-Point Shallow Socket	
1-1/16	LDH342
1-1/8	LDH362
1-1/4	LDH402
1-5/16	LDH422A
1-5/16	LDH442
1-7/16	LDH462
1-1/2	LDH482
1-5/8	LDH522
1-3/4	LDH562
1-7/8	LDH602

Also Includes:	Stock No.	Description
	L32	3/4" Drive 3" Locking Button Extension
	L122	3/4" Drive 16" Locking Button Extension
	L872	3/4" Drive Sealed Head Ratchet
	L872R.J	3/4" Drive 19-1/4" Knurled Locking Button Handle
	L8112A	3/4" Drive 15/16" Breaker Bar Head

ASME[®]ANSI[®] B107.10

RATCHET HEADS/HANDLES

1" DRIVE TOOLS

Ratchet Heads, Sealed, Chrome (1")

Stock No.	Description	Finish	Gear Teeth	Gear Action	A	B	C
L873	1" Drive 30-Tooth Sealed Ratchet Head	Chrome	30	12"	1-1/2	3-1/8	7-7/8
GL873	1" Drive Sealed Ratchet Head	Industrial Finish	30	12"	1-1/2	3-1/8	7-7/8



Head and Handle Combinations

Stock No.	Description	Required Handle	Optional Extension Handle
L873	1" Drive 30-Tooth Sealed Ratchet Head	L53HB	L853HA1
L113H	1" Drive 32-5/32" Complete Breaker Bar	L53HB	—
L53	1" Drive 30" Sliding T-Handle	L53HB	—

Handles, Chrome (1")

Stock No.	Description	Hand Grip	A	B
L53HB	1" Drive 29" Plain Locking Button Handle	Plain	1-1/8	29
L853HA1	1" Drive 36" Knurled Handle Extension	Knurled with locking button	1-3/8	36



L53HB 1" Drive 29" Plain Locking Button Handle

- Plain handle with locking buttons at both ends
- Used on 1" drive ratchet heads, breaker bar heads and sliding T-heads.

L853HA1 1" Drive 36" Knurled 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

DRIVE HANDLES

Breaker Bars, Chrome (1")

Stock No.	Length	A	B	C	Handle Stock No.	Head Only Stock No.
L113H	32-5/32	15/16	2-1/8	4-29/32	L53HB	L113



Sliding T-Handle (1")

Stock No.	Description	B	C	Handle Stock No.	Sliding Head Only
L53	1" Drive 30" Sliding T-Handle	2	29	L53HB	L53A



- Do not immerse sealed ratchet in fluids.
- Do not replace worn parts individually; use entire contents of the service kit.
- Do not use "cheater bar" on handle.
- Pull, do not push on handle.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4.

SOCKET/RATCHET ACCESSORIES



L63

Extension/Lock Button, Chrome (1")

Stock No.	Description	A	B
L63	1" Drive 8" Locking Button Extension	1-1/4	8



GLA124A



Square Drive Adaptors, Industrial (1")

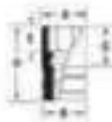
Stock No.	Description	A	B	C	D
GLA124A	1" Drive Square Drive Adaptor	1	3/4	1-13/16	2-3/4
GLA72A	3/4" Drive Square Drive Adaptor	3/4	1	1-7/16	2-5/8

ASME[®]/ANSI[®] B107.10

SPLINE SOCKETS



LES323B



Shallow, inches, Chrome (1")

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 6- and 12-point fasteners with an advantage similar to the Snap-on[®] Flank Drive[®] wrenching system.

		Stock No.	A	B	C	D	E
#32 (1")	1	LES323B	1-29/64	1-55/64	1-35/64	2-7/16	53/64
#34 (1-1/16")	1-5/16	LES343B	1-17/32	1-27/32	1-3/8	2-17/32	7/8
#38 (1-3/16")	1-3/16	LES383B	1-11/16	1-31/32	1-5/8	2-25/32	1-5/32

HEX BIT SOCKETS



IMA283



Hex/Standard, inches, Industrial (1")

Stock No.	Description	A	B	C	Finish	Size, inches	Square Drive, inches	Bit	Roll Pin
IMA283	1" Drive SAE 7/8" Standard Hex Socket Driver	5-5/8	2-3/4	2-7/64	Industrial	7/8	1	IMA283-2	ME2C1
IMA323	1" Drive SAE 1" Standard Hex Socket Driver	5-5/8	2-3/4	2-7/64	Industrial	1	1	IMA323-2	ME2C1

IMPACT ACCESSORIES

1" DRIVE TOOLS

Extensions with Pin Hole (1")

Stock No.	Description	A	B
IM133	1" Drive 3" Pin Hole Impact Extension	1	3
IM63B	1" Drive 7-1/8" Pin Hole Impact Extension	1-1/8	7-1/8
IM123	1" Drive 13-1/8" Pin Hole Impact Extension	1-3/8	13-1/8



IM123

Swivel Universal Joint with Pin Hole (1")

Stock No.	Description	A	B
IP83	1" Drive 4-3/16" Impact Pin Hole Swivel Universal Joint	2-1/2	4-3/16



IP83



Adaptors with Pin Hole (1")

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
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



IM124B



IMR3



IM243R



IM483R



IM243P



IM483P

1" Drive Locking Rings and Pins

Square Drive, inches	Stock No.	Description	Use with
1	IMR3	Socket Retainer	All 1" Drive Sockets/Accessories, All #5 Spline Drive Sockets/Accessories
1	IM243R	Synthetic Rubber Locking Ring	1" Drive Sockets/Accessories up to 1-3/8" (35 mm) Plus IM124 Adaptor
1	IM483R	Rubber Locking Ring	All Spline Drive Sockets/Accessories Plus 1" Drive Sockets from 1-7/16" (35 mm)
1	IM243P	Steel Locking Pin	1" Drive Sockets/Accessories up to 1-3/8" (35 mm)
1	IM483P	Steel Locking Pin	All Spline Drive Sockets/Accessories Plus 1" Drive Sockets from 1-7/16" (35 mm)

For use on SIM, IM, IMM and SMM sockets and other accessories

FLANK DRIVE® IMPACT SOCKETS

Shallow, mm

mm	6	A	B	C	D	E	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*	68.9	57.2	51.6	88.9	38.1	*
65	IMM653*	92.1	60.5	63.6	101.6	45.7	*
70	IMM703*	85.3	60.5	62.2	101.6	45.7	*
75	IMM753*	104.8	60.5	67.1	106.0	51.6	*
80	IMM803	108.7	61.1	65.9	106.7	47.6	*

*Conventional hex.

Shallow, mm

mm	12	A	B	C	D	E
27	IMMD273	44.5	53.8	27.0	57.2	17.5
30	IMMD303	47.8	53.8	27.0	57.2	17.5

Set Contains: 516IMM



IMM273

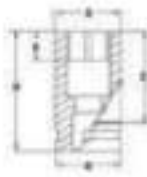


516IMM



- Wear safety goggles while using impact drivers.
- Do not hold swivel joint during use.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Procedures on pages W1-W4.

FLANK DRIVE® IMPACT SOCKETS



IM703

Shallow, inches

Size	Part #	Part #	A	B	C	D	E	Set Contains:		
								6	6	6
3/4	IM243	IMD243	1-7/16	2-1/8	1	2-1/8	11/16	•		
13/16	IM263	IMD263	1-7/16	2-1/8	1	2-1/8	11/16	•		
7/8	IM283	IMD283	1-1/2	2-1/8	1	2-1/8	11/16	•		
15/16	IM303	IMD303	1-19/32	2-1/8	1	2-1/8	11/16	•		
1	IM323	IMD323A	1-11/16	2-1/8	1-1/16	2-1/4	11/16	•		
1-1/16	IM343	IMD343	1-3/4	2-1/8	1-5/16	2-1/4	11/16	•		
1-1/8	IM363	IMD363	1-7/8	2-1/8	1-1/16	2-1/4	11/16	•		
1-3/16	IM383	IMD383	1-7/8	2-1/8	1-1/16	2-1/4	11/16	•		
1-1/4	IM403	IMD403	2	2-1/8	1-3/16	2-3/8	3/4	•		
1-5/16	IM423	IMD423	2-1/16	2-1/8	1-15/16	2-1/2	7/8	•		
1-3/8	IM443	IMD443	2-1/8	2-1/8	1-15/16	2-1/2	7/8	•		
1-7/16	IM463	IMD463	2-1/4	2-1/4	1-7/16	2-1/2	15/16	•		
1-1/2	IM483B	IMD483	2-3/8	2-1/4	1-7/16	2-5/8	15/16	•		
1-9/16	IM503A	IMD503	2-3/8	2-1/4	1-7/16	2-5/8	15/16	•		
1-5/8	IM523A	IMD523	2-3/8	2-1/4	1-5/8	2-3/4	1-1/16	•		
1-11/16	IM543	IMD543	2-9/16	2-3/8	1-5/8	2-3/4	1-1/16	•		
1-3/4	IM563	IMD563	2-5/8	2-3/8	1-23/32	2-7/8	1-5/32	•		
1-13/16	IM583	IMD583	2-3/4	2-3/8	1-23/32	2-15/16	1-3/16	•		
1-7/8	IM603	IMD603	2-3/4	2-3/8	1-23/32	2-15/16	1-3/16	•		
1-15/16	IM623	IMD623	2-3/4	2-3/8	1-23/32	2-15/16	1-3/16	•		
2	IM643	IMD643	3	2-3/8	1-31/32	3-1/8	1-9/32	•		
2-1/16	IM663	IMD663	3	2-3/8	1-31/32	3-1/8	1-9/32		•	
2-1/8	IM683	IMD683	3-1/8	2-3/8	2-3/32	3-1/4	1-9/32		•	
2-3/16	IM703	IMD703	3-1/4	2-3/8	2-5/32	3-11/32	1-7/16		•	
2-1/4	IM723	IMD723	3-1/4	2-3/8	2-5/32	3-11/32	1-7/16		•	
2-5/16	IM743	IMD743	3-3/8	2-3/8	2-5/32	3-1/2	1-1/2		•	
2-3/8	IM763	IMD763	3-1/2	2-3/8	2-5/32	3-1/2	1-1/2		•	
2-7/16	IM783	IMD783	3-1/2	2-3/8	2-5/32	3-1/2	1-1/2		•	
2-1/2	IM803	IMD803	3-1/2	2-3/8	2-1/8	3-5/8	1-5/8		•	
2-9/16	IM823	IMD823	3-5/8	2-3/8	2-1/8	3-5/8	1-5/8		•	
2-5/8	IM843	IMD843	3-3/4	2-3/8	2-5/16	3-3/4	1-5/8		•	
2-11/16	IM863	IMD863	3-3/4	2-3/8	2-1/2	4	1-13/16		•	
2-3/4	IM883	IMD883	3-3/4	2-3/8	2-7/16	4	1-13/16		•	
2-13/16	IM903	IMD903	4	2-3/8	2-7/16	4	1-13/16		•	
2-7/8	IM923	IMD923	4	2-3/8	2-7/16	4	1-13/16		•	
2-15/16	IM943	IMD943	4-1/8	2-3/8	2-5/8	4-1/4	2		•	
3	IM963	IMD963	4-1/4	2-3/8	2-5/8	4-1/4	2-1/16		•	
3-1/8	IM1003	IMD1003	4-1/4	2-3/8	2-9/16	4-1/4	2-1/16		•	
3-1/4	IM1043	IMD1043	4-1/2	2-3/8	2-9/16	4-1/4	2-1/16		•	
3-3/8	IM1083	IMD1083	4-5/8	2-3/8	2-3/4	4-1/2	2-1/4		•	
3-1/2	IM1123	IMD1123	4-3/4	2-3/8	3	4-3/4	2-1/4		•	
3-5/8	IM1163	IMD1163	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	IMD1203	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	IMD1243	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	IMD1283	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	IMD1323	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	IMD1363	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	IMD1443	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		•	

ASME B107.2

Snapon.com 1.877.762.7664

FLANK DRIVE® IMPACT SOCKETS

1" DRIVE TOOLS

Deep, inches

11	6	12	Set Contains:					6		
			A	B	C	D	E	6	6	6
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	SIMD323	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*	SIMD403*	2-1/16	2-1/8	2-1/196	3-1/4	7/8	•		
1-5/16	SIM423	—	2-1/16	2-1/8	2-1/196	3-1/4	7/8	•		
1-3/8	SIM443	—	2-1/16	2-1/8	2-1/196	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	1-3/4	•		
2	SIM643	—	3	2-3/8	2-15/16	4-1/8	1-5/16	•		
2-0/16	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	2-3/4		•	
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		•	
5-1/8	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		•	



SIM583

*Applications include use on heavy duty wheel lug nuts
 **Applications include use on wheel lug nuts on stud piled/budd style wheel systems

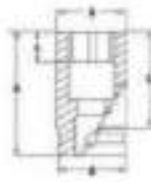


- Frequently inspect, clean, and lubricate all nonsealed ratchet mechanisms with light oil.
- Do not replace worn parts individually; use entire contents of the service kit.
- Read Safety Precautions on pages W3-W4.

FLANK DRIVE® IMPACT SOCKETS



SIMM303



Deep, mm

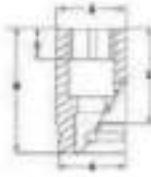
mm	6	A	B	C	D	E
30	SIMM303	49.0	53.7	46.0	76.2	19.1
32	SIMM323	52.3	53.7	76.2	82.6	22.4
33	SIMM333	52.3	53.7	53.3	82.5	22.4
38	SIMM383	60.3	57.2	59.7	86.9	25.4
70	SIMM703	97.61	60.45	65.45	127	43.69



IMM553TW



IMM705TW



Shallow Thin Wall, mm

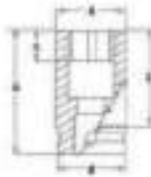
mm	6	A	B	C	D	E
55	IMM553TW	75.3	60.5	53.8	89.9	34.8
70	IMM705TW*	91.2	82.6	67.5	114.3	44.3

*Conventional hex.

SPECIAL APPLICATION IMPACT SOCKETS



IM724



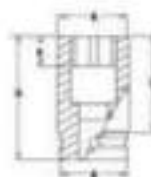
Single Square/Shallow, inches

II	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

*Budd Wheel applications



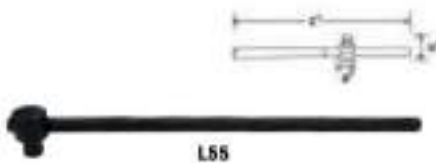
IM740



Double Square/Shallow, inches

II	8	A	B	C	D	E
1-1/4	IM740	2-3/8	2-3/8	1-1/8	2-3/8	13/16

1-1/2" DRIVE HANDLES



L55

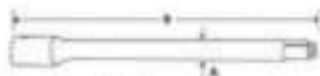
Sliding T-Handle, Industrial (1-1/2")

Stock No.	A	B	C	Handle Stock No.	Sliding Head Only Stock No.
L55	2-7/8	4-1/16	36	L55-1	L55-2

1-1/2" AND #5 SPLINE DRIVE IMPACT ACCESSORIES



IM105



Extensions with Pin Hole (1-1/2")

Stock No.	A	B
IM105	2	10
IM155	2	15
IM205	2	20



IP85



Swivel Universal Joint with Pin Hole (1-1/2")

Stock No.	Finish	Length, Inches
IP85	Industrial Finish	6-1/16



IM35



Adaptors with Pin Hole (1-1/2")

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



IM5A3



Spline-to-Square Adaptor

Stock No.	A	B	C	D
IM5A3	1" Square	No. 5, 14 Tooth	2-3/8	3-3/8



IMR3



IM243R



IM243P

Rings and Pins for Impact Sockets and Accessories (1", 1-1/2", #5 Spline Drive)

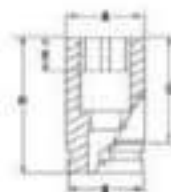
Stock No.	Description	Use with
IMR3	Socket Retainer	All 1" Drive Sockets/Accessories, All #5 Spline Drive Sockets/Accessories
IM243R	Synthetic Rubber Locking Ring	1" Drive Sockets/Accessories up to 1-3/8" (35 mm) Plus IM124 Adaptor
IM243P	Steel Locking Pin	1" Drive Sockets/Accessories up to 1-3/8" (35 mm)
IM445R	Rubber Locking Ring	All 1-1/2" Drive Sockets/Accessories
IM483R	Rubber Locking Ring	All Spline Drive Sockets/Accessories Plus 1" Drive Sockets from 1-7/16" (35 mm)
IM483P	Steel Locking Pin	All Spline Drive Sockets/Accessories Plus 1" Drive Sockets from 1-7/16" (35 mm)

For use on SIM, IM, IMM and SIMM sockets and other accessories

FLANK DRIVE® IMPACT SOCKETS

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



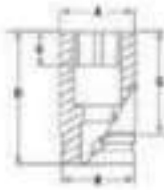
IMM365

WARNING



- Do not use chrome or industrial finish hand tools with impact drivers.
- Wear safety goggles while using impact drivers.
- Do not hold swivel joint during use.
- Do not use "cheater bars" on handles.
- Pull, do not push on handles.
- Read Safety Precautions on pages W1-W3

FLANK DRIVE® IMPACT SOCKETS





IM445

Shallow, inches

II	6	A	B	C	D	E	Set Contains:			
							61MM	61MM	61MM	60MM
	6						6	6	6	6
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	2-9/16			*	
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			*	

FLANK DRIVE® IMPACT SOCKETS

Deep, inches

		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	1-3/4
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	2-5/8
3-1/4	SIM1045	4-3/4	3-1/4	4-1/4	6-1/4	2-5/8
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	2-5/4
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

ASME/ANSI® B107.2



SIM1005

1-1/2" DRIVE TOOLS



IM445R



IM729P

Locking Rings and Pins for 1-1/2" and 2-1/2" Extensions, Adaptors, Impact Sockets

Stock No.	Description	Use with
IM243R	Synthetic Rubber Locking Ring	1" Drive Sockets/Accessories up to 1-3/8" (35 mm) Plus IM124 Adaptor
IM243P	Steel Locking Pin	1" Drive Sockets/Accessories up to 1-3/8" (35 mm)
IM445R	Rubber Locking Ring	All 1-1/2" Drive Sockets/Accessories
IM729P	Steel Locking Pin	All 2-1/2" Drive Sockets/Accessories

For use on SIM, IM, IMM and SIMM sockets and other accessories.



WARNING



- Do not use "cheater bars" on handles.
- Pull, do not push on handles.
- Read Safety Precautions on pages W1-W3

FLANK DRIVE® IMPACT SOCKETS



IM2209

Shallow, inches

11	6	A	B	C	D	Set Contains:			
						T16IM	T13IM	T14IM	T11IM
						6	6	6	6
2	IM549	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	4-11/32	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	3-23/32	6-1/2	*			
3-1/4	IM1049	5	5	3-13/32	6-1/2	*			
3-3/8	IM1089	5	5	3-13/32	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	7-13/32	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			*	*

FLANK DRIVE® IMPACT SOCKETS

2-1/2" DRIVE TOOLS

Shallow, mm

mm	6	A	B	C	D	Set Contains:		
						713MM	710MM	709MM
	6					6	6	6
60	IMM609	97.8	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	*		
88	IMM889	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		*	
116	IMM1159	161.9	127	126.2	190.5		*	
120	IMM1209	168.3	127	126.2	190.5		*	
126	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	209.8		*	
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	228.8			*
175	IMM1759	232.6	127	161.9	235.0			*
180	IMM1809	238.1	127	160.3	235.0			*
185	IMM1859	243.7	127	166.9	241.3			*
190	IMM1909	250.0	127	165.1	241.3			*
200	IMM2009	261.9	127	169.9	247.7			*



IMM1159



IM729P

Master Ring and Pin Chart for Impact Sockets and Accessories

Stock No.	Description	Use with
IM729P	Steel Locking Pin	All 2-1/2" Drive Sockets/Accessories

For use on SIM, IM, IMM and SIMM sockets and other accessories.



• Read Safety Precautions on pages W1-W4

FLANK DRIVE® PLUS REVERSIBLE RATCHETING COMBINATION



- Patented, ratcheting mechanism utilizes Snap-on® Dual 80° Technology, combining dual pawls with a thin-walled, box-end design for smooth operation and more torque transfer in less lateral space
- 12-point ratcheting gear is cold formed and features the Flank Drive® wrenching configuration, the proven design for turning fasteners
- Open end features the patented Flank Drive® Plus wrenching configuration that delivers up to 62% more turning power than conventional wrenches

- Up to 80 gear teeth requires minimal movement in tight areas
- Box end is offset 15° for maximum clearance
- **STRONG:** Manufactured from special alloy steel; Precision forged, cold-formed and heat treated; Nickel-chrome plating; optimum corrosion protection, strength and durability
- **POWERFUL:** Continuous arc design; smooth operation distributes stress evenly creating more torque transfer



Ratcheting Combination/Standard Handle, 15° Offset, mm



mm	12	A	B	C	D	E	Set Contains:			
							SOXRRM704A*	SOXRRM707A*	SOXRRM710A*	SOXRRM719A*
6	SOXRRM6A	16.3	13.8	6.7	3.7	126	•			•
7	SOXRRM7A	16.8	15.1	6.9	3.9	137	•			•
8	SOXRRM8A	17.8	17.0	7.1	4.3	149	•			•
9	SOXRRM9A	19.6	19.2	7.9	4.7	164	•			•
10	SOXRRM10A	19.1	21.1	7.2	5.1	179		•	•	•
11	SOXRRM11A	21.1	23.4	7.6	5.5	194		•	•	•
12	SOXRRM12A	22.7	25.1	8.1	5.9	207		•	•	•
13	SOXRRM13A	24	27.2	8.2	6.3	221		•	•	•
14	SOXRRM14A	26.3	29.2	8.2	6.7	235		•	•	•
15	SOXRRM15A	27.8	31.2	9.1	7.1	249		•	•	•
16	SOXRRM16A	28.4	33	9.8	7.4	261			•	•
17	SOXRRM17A	30.5	35.1	9.9	7.6	277		•	•	•
18	SOXRRM18A	31.8	37.1	10.4	8.2	291			•	•
19	SOXRRM19A	32.4	39.4	10.9	8.6	305			•	•

*Sets include storage tray
 **Sets shown include foam organizer

ASME® B107.100



Ratcheting Combination/Standard Handle, 15° Offset, inches



in	12	A	B	C	D	E	Set Contains:		
							SOXRR702A*	SOXRR707A*	SOXRR719A*
1/4	SOXRR8A	21/32	9/16	9/32	5/32	4-15/16	•		•
5/16	SOXRR10A	27/32	11/16	9/32	3/16	5-29/32	•		•
3/8	SOXRR12A	3/4	27/32	9/32	7/32	7-1/32		•	•
7/16	SOXRR14A	27/32	15/16	9/16	7/32	7-21/32		•	•
1/2	SOXRR16A	15/16	1-1/16	11/32	1/4	8-11/16		•	•
9/16	SOXRR18A	1-1/32	1-5/32	11/32	1/4	9-1/4		•	•
5/8	SOXRR20A	1-5/8	1-5/16	3/8	9/32	10-9/32		•	•
11/16	SOXRR22A	1-3/16	1-3/8	13/32	5/16	10-7/8		•	•
3/4	SOXRR24A	1-9/32	1-9/16	7/16	11/32	12		•	•

*Sets include storage tray
 **Sets shown include foam organizer

ASME® B107.100

FLANK DRIVE® PLUS REVERSIBLE RATCHETING COMBINATION

WRENCHES

Foam Combination Sets (Wrenches)

SOXRRSET1BRA* 23 pc 12-Point Metric/SAE Flank Drive® Plus Reversible Ratcheting Wrench Master Foam Set

- Includes SOXRRM6A–SOXRRM19A (6–19 mm) and SAE SOXRR8A–SOXRR24A (1/4–3/4") in a foam organizer
- Patented ratcheting mechanism utilizes Snap-on® Dual 80° Technology, combining dual-pawls with a thin-walled, box-end design, for smooth operation and more torque transfer in less lateral space
- Flank-Drive® gear features an 80-tooth profile and is cold formed from the same steel as Snap-on sockets, delivering up to 40% more cycle life and strength equivalent to traditional combination wrenches
- Flank-Drive® Plus wrenching profile on open end, "bites" into the fastener, preventing slipping and rounding of the fasteners, while providing up to 62% more turning power and strength
- Manufactured from special alloy steel; precision forged and heat-treated, with nickel-chrome finish for optimum strength and durability
- Longer length wrench handle is sized for optimum comfort and balance, and provides increased leverage, especially in tight spaces
- Handle is offset 15° from box-end for maximum knuckle clearance and increased access in any space



SOXRRSET1BRA

FOAM ORGANIZER

- Modular design provides in-drawer reconfiguration for new tools
- Each tool is precision fitted providing ultimate tool protection
- Push-to-lift feature facilitates tool retrieval while maintaining max tool density on smallest footprint
- Contrasting colors provide visual control which eliminates time searching for missing tools
- Closed cell cross-linked foam resists oils, solvents and fuels—easy to clean
- Fits in a 3" drawer

Colors Available



* Red CA GA
 * Orange GA GA
 * Green GA GA
 ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Reversible Ratcheting Box/Speed Open End, mm

- Patented open end speed-wrenching configuration delivers more speed than conventional wrenches
- Speed open end provides quick, ratchet-like action
- Flank Drive® wrenching system on the box end provides up to 15–20% more turning power with less risk of tool or fastener damage
- Manufactured from special alloy steel, precision forged and heat treated for optimum strength and durability
- Up to 80 gear teeth for minimal movement in tight areas
- Box end is offset 15° for clearance
- Sized for optimum comfort and balance
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean

mm	12	A	B	C	D	E	Gear Teeth	12
10	SRXRM10	21.0	19.1	8.3	5.1	179	72	*
11	SRXRM11	22.0	21.0	8.8	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	225	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	8.8	305	80	*

Sets include storage tray

ASME® B107.100

SRXRM10
Set Contains:



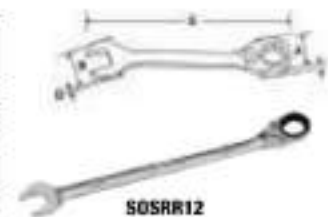
SRXRM10

Reversible Ratcheting Combination/Spline, inches

Size, Spline (SAE)	Stock No.	A	B	C	D	E	
#12 (3/8)	SOSRR12	3/4	27/32	9/32	7/32	7-1/32	*
#14 (7/16)	SOSRR14	27/32	15/16	5/16	7/32	7-21/32	*
#16 (1/2)	SOSRR16	15/16	1-1/16	11/32	1/4	8-11/16	*
#18 (9/16)	SOSRR18	1-1/32	1-5/32	11/32	1/4	8-1/4	*
#20 (5/8)	SOSRR20	1-1/8	1-5/16	3/8	9/32	10-9/32	*
#22 (11/16)	SOSRR22	1-3/16	1-3/8	13/32	5/16	10-7/8	*
#24 (3/4)	SOSRR24	1-5/32	1-9/16	7/16	11/32	12	*

Sets include storage tray

SOSRR12
Set Contains:



SOSRR12



- Frequently inspect, clean and lubricate ratchet mechanism with light oil.
- Read Safety Precautions on pages W1-W4

FLANK DRIVE® PLUS NON-REVERSIBLE COMBINATION



SOXRM703A



SOXRM704A



SOXRM710A



SOXRM01FBRA



SOXRM02FBRA



Ratcheting Combination/ Standard Handle, 0° Offset, mm

mm	12	A	B	C	D	E	Set Contains:				
							SOXRM703A*	SOXRM704A*	SOXRM710A*	SOXRM01FBRA*	SOXRM02FBRA*
	12						12	12	12	12	12
6	SOXRM6A	16	13.2	6.4	3.5	123		•			•
7	SOXRM7A	16	15	6.4	3.9	134		•			•
8	SOXRM8A	16.9	17	6.4	4.3	147		•			•
9	SOXRM9A	18.2	19.2	6.8	4.7	159		•			•
10	SOXRM10A	19.1	21.1	7.2	5.1	171				•	•
11	SOXRM11A	21.1	23.4	7.6	5.5	183				•	•
12	SOXRM12A	22.7	25.1	8.1	5.9	195				•	•
13	SOXRM13A	24	27.2	8.2	6.3	207				•	•
14	SOXRM14A	26.3	29.2	8.3	6.7	219				•	•
15	SOXRM15A	27.8	31.2	8.3	7.1	231				•	•
16	SOXRM16A	28.4	33	9.6	7.4	243				•	•
17	SOXRM17A	30.5	35.1	9.9	7.8	255				•	•
18	SOXRM18A	31.8	37.1	10.4	8.2	267				•	•
19	SOXRM19A	32.4	39.4	10.9	8.6	279				•	•
21	SOXRM21A	39.5	43.2	13	9.4	314	•				•
22	SOXRM22A	39.7	45.7	13	9.9	329	•				•
24	SOXRM24A	46.1	48.8	14.1	10.5	358	•				•

*Sets include storage tray

*Sets shown include foam organizer.

ASME® B107.100

FLANK DRIVE® PLUS NON-REVERSIBLE COMBINATION



SOXR702A



SOXR704A



SOXR707A



SOXR02FBRA



Ratcheting Combination/ Standard Handle, 0° Offset, inches

11	12	A	B	C	D	E	Set Contains:				
							SOXR702A*	SOXR704A*	SOXR707A*	SOXR01FBRA*	SOXR02FBRA*
1/4	SOXR8A	3/8	1/2	1/4	5/64	4-27/32	•				•
5/16	SOXR10A	21/32	43/64	1/4	11/64	6-3/4	•				•
3/8	SOXR12A	3/4	27/32	5/32	3/16	6-3/4				•	•
7/16	SOXR14A	27/32	29/32	5/16	7/32	7-7/32				•	•
1/2	SOXR16A	15/16	1-1/16	11/32	1/4	8-5/32				•	•
9/16	SOXR18A	1-1/32	1-5/32	11/32	1/4	8-5/8				•	•
5/8	SOXR20A	1-1/8	1-5/16	3/8	9/32	9-9/16				•	•
11/16	SOXR22A	1-7/32	1-3/8	13/32	5/16	10-1/32				•	•
3/4	SOXR24A	1-9/32	1-9/16	7/16	11/32	10-31/32					•
13/16	SOXR26A	1-9/16	1-3/4	17/32	3/8	12-3/8				•	•
7/8	SOXR28A	1-9/16	1-13/16	17/32	13/32	12-15/16				•	•
15/16	SOXR30A	1-13/16	1-15/16	9/16	7/16	14-1/8				•	•
1	SOXR32A	1-13/16	1-15/16	9/16	7/16	14-11/16				•	•

*Sets include storage tray
*Sets shown include foam organizer.

ASME® B107.100

Non-Reversible Ratcheting Combination/Spline, inches

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. M5-33787 and MIL-W-8982. The unique spline wrenching configuration can also be used on ordinary 6- and 12-point fasteners with an advantage similar to the Snap-on® Flank Drive® wrenching system.



SOXR10



SOXR30

11	Stock No.	A	B	C	D	E
#7 (7/32)	SOXR7	5/8	17/32	1/4	5/32	4-27/32
#8 (1/4)	SOXR8	5/8	17/32	1/4	5/32	4-27/32
#9 (9/32)	SOXR9	21/32	11/16	1/4	3/16	5-25/32
#10 (5/16)	SOXR10	21/32	11/16	1/4	3/16	5-25/32
#11 (11/32)	SOXR11	23/32	3/4	9/32	3/16	6-1/4
#12 (3/8)	SOXR12	3/4	27/32	9/32	7/32	6-3/4
#14 (7/16")	SOXR14	27/32	15/16	5/16	7/32	7-7/32
#16 (1/2")	SOXR16	15/16	1-1/16	11/32	1/4	8-5/32
#18 (9/16")	SOXR18	1-1/32	1-5/32	11/32	1/4	8-5/8
#20 (5/8")	SOXR20	1-1/8	1-5/16	3/8	9/32	9-9/16
#22 (11/16")	SOXR22	1-3/16	1-3/8	13/32	5/16	10-1/32
#24 (3/4")	SOXR24	1-9/32	1-9/16	7/16	11/32	10-31/32
#26 (13/16")	SOXR26	1-9/16	1-23/32	1/2	3/8	12-11/32
#28 (7/8")	SOXR28	1-9/16	1-13/16	1/2	13/32	12-15/16
#30 (15/16")	SOXR30	1-13/16	1-15/16	9/16	13/32	14-1/8
#32 (1")	SOXR32	1-13/16	1-15/16	9/16	7/16	14-23/32



- Frequently inspect, clean and lubricate ratchet mechanism with light oil.
- Read Safety Precautions on pages W1-W4

FLANK DRIVE® RATCHETING COMBINATION



Ratcheting Combination/Standard Handle, 0° Offset, inches

⌀	12	A	B	C	D	E	Set Contains:		
							12	12	12
1/4	OXR8A	5/8	1/2	1/4	9/64	4-27/32	*		
5/16	OXR10A	21/32	43/64	1/4	11/64	6-1/4	*		
3/8	OXR12A	3/4	27/32	9/32	3/16	6-3/4		*	
7/16	OXR14A	27/32	29/32	5/16	7/32	7-7/32		*	
1/2	OXR16A	15/16	1-1/16	11/32	1/4	8-3/32		*	
9/16	OXR18A	1-1/32	1-5/32	11/32	1/4	8-5/8		*	
5/8	OXR20A	1-1/8	1-5/16	3/8	5/32	9-9/16		*	
11/16	OXR22A	1-7/32	1-3/8	13/32	5/16	10-1/32		*	
3/4	OXR24A	1-9/32	1-9/16	7/16	11/32	10-31/32		*	
13/16	OXR26A	1-9/16	1-3/4	17/32	3/8	12-3/8			*
7/8	OXR28A	1-9/16	1-13/16	17/32	13/32	12-15/16			*
15/16	OXR30A	1-13/16	1-15/16	9/16	7/16	14-1/8			*
1	OXR32A	1-13/16	2-1/16	9/16	7/16	14-11/16			*

*Sets include storage tray

ASME® B107.100



Ratcheting Combination/Standard Handle, 0° Offset, mm

mm	12	A	B	C	D	E	Set Contains:		
							12	12	12
6	OXRM5A	16	13.2	6.4	3.5	123	*		
7	OXRM7A	16	15	6.4	3.9	134	*		
8	OXRM8A	16.9	17	6.4	4.3	147	*		
9	OXRM9A	18.2	19.2	6.8	4.7	159	*		
10	OXRM10A	19.1	21.1	7.2	5.1	171		*	
11	OXRM11A	21.1	23.4	7.6	5.5	183		*	
12	OXRM12A	22.7	25.1	8.1	5.9	195		*	
13	OXRM13A	24	27.2	8.2	6.3	207		*	
14	OXRM14A	26.3	29.2	8.3	6.7	219		*	
15	OXRM15A	27.6	31.2	8.3	7.1	231		*	
16	OXRM16A	28.4	33	9.8	7.4	243		*	
17	OXRM17A	30.5	35.1	9.9	7.8	255		*	
18	OXRM18A	31.8	37.1	10.4	8.2	267		*	
19	OXRM19A	32.4	39.4	10.9	8.6	279		*	
21	OXRM21A	39.5	43.2	13	9.4	314			*
22	OXRM22A	39.7	45.7	13	9.9	329			*
24	OXRM24A	46.1	48.8	14.1	10.5	358			*

*Sets include storage tray

ASME® B107.100

FLANK DRIVE® RATCHETING COMBINATION



OXKRM705



OXKRM707



Ratcheting Combination/Short Handle, 0° Offset, mm

mm	12	A	B	C	D	E	Set Contains:	
							OXKRM705	OXKRM707
6	OXKRM6	16	13.2	6.4	3.5	81		
7	OXKRM7	16	14.9	6.4	3.9	85		
8	OXKRM8	16.9	17	6.4	4.3	89		•
9	OXKRM9	18.2	19.1	6.8	4.7	93		•
10	OXKRM10	19.1	21.1	7.2	5.1	97		•
11	OXKRM11	21.1	23.4	7.6	5.5	101		•
12	OXKRM12	22.7	25.1	8.1	5.9	105		•
13	OXKRM13	24.6	27.2	8.2	6.3	110		•
14	OXKRM14	26.3	29.2	8.3	6.7	114		•
15	OXKRM15	27.8	31.2	8.3	7.1	118	•	
16	OXKRM16	28.4	33.0	9.8	7.4	122	•	
17	OXKRM17	30.5	35.1	9.8	7.8	127	•	
18	OXKRM18	31.8	37.1	10.4	8.2	131	•	
19	OXKRM19	32.4	39.4	10.9	8.6	135	•	

Sets include storage tray

ASME® B107.100



OXKR707



Ratcheting Combination/Short Handle, 0° Offset, inches

in	12	A	B	C	D	E	Set Contains:	
							OXKR707	
1/4	OXKR8	5/8	1/2	1/4	9/64	3-3/16		
5/16	OXKR10	21/32	43/64	1/4	11/64	3-17/32		
3/8	OXKR12	3/4	27/32	5/32	3/16	3-27/32		•
7/16	OXKR14	27/32	29/32	5/16	7/32	3-31/32		•
1/2	OXKR16	15/16	1-1/16	11/32	1/4	4-5/16		•
9/16	OXKR18	1-1/32	1-5/32	11/32	1/4	4-15/32		•
5/8	OXKR20	1-1/8	1-5/16	3/8	9/32	4-13/16		•
11/16	OXKR22	1-7/32	1-3/8	13/32	5/16	4-31/32		•
3/4	OXKR24	1-9/32	1-9/16	7/16	11/32	5-11/32		•

Sets include storage tray

ASME® B107.100



WARNING



- Frequently inspect, clean and lubricate ratchet mechanism with light oil.
- Read Safety Precautions on pages W1-W4

FLANK DRIVE® HIGH-PERFORMANCE RATCHETING BOX WRENCHES

- Extended-length handle pattern, combined with 0° offset, increases leverage to maximize torque to break loose difficult fasteners
- 80-tooth ratcheting gear utilizes key elements of Snap-on® Dual 80® Technology, minimizing swing arc when working in restricted spaces
- Flank-Drive® box-end wrenching system grips fastener flats to deliver up to 15–20% more turning power with less risk of fastener damage

- Wrench handle is sized for optimum length, comfort and balance
- Nickel-chrome finish helps protect against corrosion and makes it easy to wipe the wrenches clean



XDLRM705K1A

Ratcheting Box, 0° Offset, mm

Set Contains:

mm	12	A	B	C	D	E	12	12
8	XDLRM8A	16.9	11.6	6.4	6.2	231		
9	XDLRM9A	18.2	13	6.6	6.2	244		
10	XDLRM10A	19.1	14.4	7.2	7.6	257		•
11	XDLRM11A	21.1	15.6	7.6	8.5	270	•	
12	XDLRM12A	22.7	17.1	8.1	8.9	282	•	
13	XDLRM13A	24	18.7	8.2	8.9	295		•
14	XDLRM14A	26.3	20.1	8.3	10.2	316	•	
15	XDLRM15A	27.8	21.5	8.3	10.9	349		•
16	XDLRM16A	28.4	22.6	9.8	11.2	362	•	
17	XDLRM17A	30.5	23.7	9.9	11.3	375		•
18	XDLRM18A	31.8	24.9	10.4	12.1	388	•	
19	XDLRM19A	32.4	26.3	10.9	12.1	401		•

Sets include storage bag.



XDLR705A

Ratcheting Box, 0° Offset, inches

Set Contains:

"	12	A	B	C	D	E	12
5/16	XDLR10A	21/32	29/64	1/4	1/4	9-1/16	
3/8	XDLR12A	3/4	9/16	9/32	19/64	10-3/32	•
7/16	XDLR14A	27/32	39/64	5/16	11/32	10-39/64	•
1/2	XDLR16A	15/16	23/32	11/32	23/64	11-5/8	•
9/16	XDLR18A	1-1/32	13/16	11/32	13/32	13-1/4	•
5/8	XDLR20A	1-1/8	57/64	3/8	7/16	14-3/4	
11/16	XDLR22A	1-7/32	15/16	13/32	7/16	14-45/64	
3/4	XDLR24A	1-9/32	1-3/64	7/16	31/64	15-51/64	•

Sets include storage bag.



XDRE707

TORX® Ratcheting Box

Set Contains:

#	Stock No.	A	B	C	D	E	
E6	XDRE06	5/8	5/16	1/4	11/64	4-1/2	•
E7	XDRE07	5/8	5/16	1/4	13/64	4-7/8	•
E8	XDRE08	5/8	3/8	1/4	7/32	5-5/16	•
E10	XDRE10	21/32	7/16	1/4	1/4	5-25/32	•
E12	XDRE12	3/4	17/32	9/32	5/16	6-23/32	•
E14	XDRE14	27/32	5/8	31/32	11/32	7-3/16	•
E16	XDRE16	15/16	23/32	5/16	11/32	7-13/16	•
E18	XDRE18	1-1/32	13/16	5/16	13/32	8-5/8	
E20	XDRE20	1-1/8	7/8	3/8	7/16	8-9/16	
E24	XDRE24	1-9/32	1-1/32	7/16	15/32	11-8/16	

Sets include storage tray

DOUBLE FLEX RATCHETING BOX WRENCHES

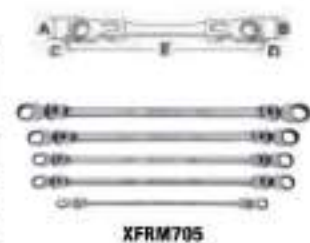
- 180° flexible ratcheting head combined with narrow width and low-height profile of wrench head allows for access into the tightest of spaces
- Yoke/tang combination utilizes well-established Snap-on® flex ratchet design for ultimate strength and durability
- Unique, patented ratcheting gear design is optimized to maximize ratcheting arc, strength, durability and access for the most balanced wrench available

- Nickel-chrome finish helps protect against corrosion and makes it easy to wipe clean
- 80-tooth ratcheting gear utilizes key elements of Snap-on® Dual 80° Technology, minimizing swing arc when working in restricted spaces
- Flank Drive® box-end system grips fastener flats to deliver up to 15–20% more turning power with less risk of fastener damage

Flank Drive® Double Flex Ratcheting Box, mm

mm	12	Set Contains:					12
		A	B	C	D	E	
6, 7	XFRM67	15	15	6.4	6.4	300	
8, 10	XFRM810A	16.9	19.1	9.8	10.4	330	•
9, 11	XFRM911A	18.2	21.1	6.8	7.6	365	
12, 14	XFRM1214	22.7	26.3	8.0	8.3	411	•
13, 15	XFRM1315	24.0	26.3	8.2	8.6	413	•
16, 18	XFRM1618A	28.4	31.8	10.0	10.4	432	•
17, 19	XFRM1719A	30.5	32.4	10.1	10.9	470	•

Set includes storage bag



XFRM705

Flank Drive® Double Flex Ratcheting Box, inches

in	12	Set Contains:					12
		A	B	C	D	E	
1/4, 11/32	XFR811	5/8	23/32	1/4	9/32	12	
5/16, 3/8	XFR1012	21/32	3/4	1/4	9/32	13	•
7/16, 1/2	XFR1416	27/32	15/16	5/16	11/32	14-5/8	•
9/16, 11/16	XFR1822	1-1/32	1-3/16	11/32	3/8	17	•
5/8, 3/4	XFR2024	1-1/8	1-9/32	13/32	7/16	18-7/16	•

Set includes storage bag



XFR704

REVERSIBLE RATCHETING COMBINATION (Blue-Point®)

Ratcheting Combination/Standard Handle, 15° Offset, mm (Blue-Point®)

mm	12	Set Contains:					12	12
		A	B	C	D	E		
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	130	•	
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	265.7	•	
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	•	

Sets include storage tray

ASME® B107.100



BOERM712



- Frequently inspect, clean and lubricate ratchet mechanism with light oil.
- Read Safety Precautions on pages W1-W4


REVERSIBLE RATCHETING COMBINATION (Blue-Point®)



BOER708

Ratcheting Combination/Standard Handle, 15° Offset, inches (Blue-Point®)

Set Contains:
BOER708 BOER704

 12	A	B	C	D	E	12	12
7/32	BOER7	5/8	21/32	1/4	5/32	4-1/2	
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	•
11/32	BOER11	25/32	25/32	9/32	5/32	5-15/16	
3/8	BOER12	21/32	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	7/8	9/32	8-1/4	•
11/16	BOER22	1-1/4	1-7/16	15/32	9/32	9-3/16	•
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	11-5/4	•
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	•

Sets include storage tray


ASME® B107.100



BOERMS712

Ratcheting Combination/Short Handle, 15° Offset, mm (Blue-Point®)

Set Contains:
BOERMS712

 12	A	B	C	D	E	12	
6	BOERMS8	17.8	17.7	6.5	4.0	90	•
8	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	126	•
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	•

Sets include storage tray


ASME® B107.100



BOERS708

Ratcheting Combination/Short Handle, 15° Offset, inches (Blue-Point®)

Set Contains:
BOERS708

 12	A	B	C	D	E	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	5-3/16	•
11/16	BOERS22	1-1/4	1-7/16	15/32	5/32	5-3/16	•
3/4	BOERS24	1-7/16	1-17/32	1/2	11/32	5-9/16	•

Sets include storage tray

ASME® B107.100

REVERSIBLE RATCHETING COMBINATION (Blue-Point®)

Flex Head Ratcheting Combination/Standard Handle, 15° Offset, mm (Blue-Point®)

- 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° for smaller wrenches) tooth engagement; less movement to engage the next tooth
- Tough, durable nickel-chrome finish

mm	12	A	B	C	D	E	12
8	BOERMF8A	17.8	17.7	6.5	4.0	142	•
9	BOERMF9A	19.5	20.0	7.4	4.0	152	•
10	BOERMF10A	21.5	21.9	8.0	5.0	162	•
11	BOERMF11A	22.0	23.9	8.5	5.5	172	•
12	BOERMF12A	23.5	25.0	9.0	5.5	180	•
13	BOERMF13A	25.0	25.9	10.0	6.3	188	•
14	BOERMF14A	27.0	29.9	10.0	6.5	196	•
15	BOERMF15A	28.5	31.1	11.0	7.0	204	•
16	BOERMF16A	30.5	33.6	11.0	7.0	214	•
17	BOERMF17A	32.0	36.5	12.0	7.0	228	•
18	BOERMF18A	34.5	38.5	12.0	8.0	242	•
19	BOERMF19A	36.5	38.7	12.9	8.7	258	•

Sets include storage tray

ASME® B107.100

Set Contains:

BOERMF12A



BOERMF12A

Flex Head Ratcheting Combination/Standard Handle, 15° Offset, inches (Blue-Point®)

in	12	A	B	C	D	E	12
5/16	BOERF10A	11/16	11/16	1/4	5/32	5-19/32	•
3/8	BOERF12A	27/32	7/8	5/16	3/16	6-3/8	•
7/16	BOERF14A	7/8	15/16	11/32	1/32	6-3/4	•
1/2	BOERF16A	31/32	1-1/32	13/32	1/4	7-13/32	•
9/16	BOERF18A	1-1/16	1-3/16	13/32	1/4	7-23/32	•
5/8	BOERF20A	1-3/16	1-5/16	7/16	9/32	8-7/16	•
11/16	BOERF22A	1-1/4	1-7/16	15/32	5/32	8-31/32	•
3/4	BOERF24A	1-7/16	1-17/32	1/2	11/32	10-1/16	•

Sets include storage tray

ASME® B107.100

Set Contains:

BOERF10A



BOERF10A

Flex Head Ratcheting Combination/Midget Handle, 15° Offset, mm (Blue-Point®)

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	•

Sets include storage bag

ASME® B107.100

Set Contains:

BOERMSF12



BOERMSF12



- Frequently inspect, clean and lubricate ratchet mechanism with light oil.
- Read Safety Precautions on pages W1-W4

REVERSIBLE RATCHETING COMBINATION (Blue-Point®)



BOERSF708

Flex Head Ratcheting Combination/Midget Handle,
15° Offset, inches (Blue-Point®)

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	5-29/32	•

Sets include storage bag.

ASME® B107.100

RATCHETING WRENCH ADAPTORS



RWA2

Ratcheting Wrench Adaptors

- Converts a ratcheting wrench into a ratchet
- Used with reversible ratcheting box wrenches, such as the SOXRR, SOXRRM, BOERM, BOERMF and BOERMS Series
- Can be used with the combination ratcheting box wrenches such as the SOXR, SOXRM, OXR, OXRM, OXKR, and OXKRM series
- Reverse lever on wrench is used to secure or remove adaptor from the wrench
- Push button on adaptor is used to release the socket.

Stock No.	Configuration	Use with Ratcheting Wrench Size
RWA1	1/4" Drive	13
RWA2	3/8" Drive	16
RWA3	1/2" Drive	19
RWA4	1/4" Hex	13
RWA1FR	1/4" Drive	1/2
RWA2FR	3/8" Drive	5/8
RWA3FR	1/2" Drive	3/4
RWA4FR	1/4" Hex	1/2

RATCHETING BOX

Standard Handle Spline, inches

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 6- and 12-point fasteners with an advantage similar to the Snap-on® Flank Drive® wrenching system.



RES2630C

	12	Stock No.	A	C	E	Gear Teeth
#6-10 (1/4-5/16")	1/4-5/16	RES810C ¹	19/32-43/64	3/8	4-1/2	14-15
#12-14 (3/8-7/16")	3/8-7/16	RES1214C ¹	1-1/64-1-5/32	1/2	6-7/8	17-18
#18-20 (9/16-5/8")	9/16-5/8	RES1820C ¹	1-19/64-1-7/16	1/2	8-1/8	19-21
#26-30 (13/16-15/16")	13/16-15/16	RES2630C ¹	1-13/32-1-37/64	1/2	9-1/4	21-24

RATCHETING BOX

WRENCHES

Standard Handle, 0° Offset, mm

mm	6	12	A	C	E
7-8	RBM78C ¹	RBM78C ¹	15.1-17.1	9.5	114.3
8-10	—	RBM810C ¹	20.2-22.6	9.5	139.7
9-10	—	RBM910C ¹	20.2-22.6	9.5	139.7
10-11	RBM1011C ¹	RBM1011C ¹	25.8-29.4	12.7	174.6
10-12	—	RBM1012C ¹	25.8-29.4	12.7	174.6
12-13	RBM1213C ¹	RBM1213C ¹	25.8-29.4	12.7	174.6
12-14	—	RBM1214C ¹	25.8-29.4	12.7	174.6
14-15	—	RBM1415C ¹	32.9-36.5	12.7	206.4
16-18	—	RBM1618C ¹	32.9-36.5	12.7	206.4
17-18	—	RBM1719C ¹	32.9-36.5	12.7	206.4



RBM1213C

Standard Handle, 0° Offset, inches

Set Contains:	6	12	A	C	E	12
1/4-5/16	R8105C ¹	R810C ¹	19/32-43/64	3/8	4-1/2	
5/16-11/32	—	R1011C ¹	5/8-3/4	11/32	5-3/8	
5/16-3/8	—	R1012C ¹	51/64-57/64	3/8	5-1/2	
3/8-7/16	R12145C ¹	R1214C ¹	51/64-57/64	3/8	5-1/2	•
1/2-9/16	R16185C ¹	R1618C ¹	1-1/64-1-5/32	1/2	8-7/8	•
5/8-11/16	—	R2022C ¹	1-19/64-1-7/16	1/2	8-5/8	•
5/8-3/4	—	R2024C ¹	1-19/64-1-7/16	1/2	8-5/8	
3/4-13/16	—	R2426C ¹	1-13/32-1-37/64	1/2	9-1/4	
3/4-7/8	—	R2428C ¹	1-13/32-1-37/64	1/2	9-1/4	•
13/16-15/16	—	R2630C ¹	1-13/32-1-37/64	1/2	9-1/4	
7/8-15/16	—	R2830C ¹	1-29/32-2-17/64	9/16	15	
15/16-1	—	R3032C ¹	1-29/32-2-17/64	9/16	15	
1-1/16-1-1/8	—	R3436A ¹	2-2	9/16	12-3/4	
1-1/8-1-1/4	R36405A ¹	—	2-3/32-2-3/32	9/16	12-13/16	
1-3/16-1-1/4	—	R3840A ¹	2-2	9/16	12-3/4	

Sets include storage tray

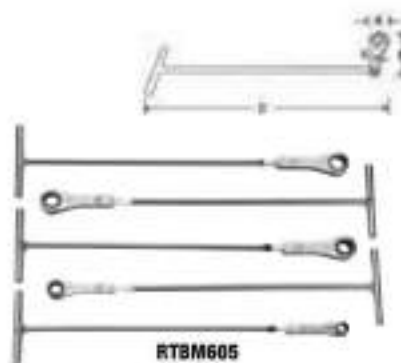


RB604C

T-Handle, mm

Set Contains:	12	A	B	C	D	12	12
8	RTBM8 ¹	17.5	71.4	307.2	9.5	•	
10	RTBM10 ¹	23.0	76.2	307.2	9.5	•	
12	RTBM12 ¹	29.4	86.5	308.8	12.7	•	
13	RTBM13 ¹	29.4	86.5	308.8	12.7	•	
14	RTBM14 ¹	29.4	86.5	308.8	12.7	•	
15	RTBM15 ¹	36.8	98.6	308.8	12.7		•
16	RTBM16 ¹	36.8	98.6	308.8	12.7		•
17	RTBM17 ¹	36.8	98.6	308.8	12.7		•
18	RTBM18 ¹	36.8	98.6	308.8	12.7		•
19	RTBM19 ¹	36.8	98.6	308.8	12.7		•

Sets include storage tray



RTBM605

T-Handle, inches

Set Contains:	12	A	B	C	D	12
1/4	RTB8 ¹	11/16	2-13/16	12-3/32	3/8	•
5/16	RTB10 ¹	11/16	2-13/16	12-3/32	3/8	•
11/32	RTB11 ¹	29/32	3	12-3/32	3/8	•
3/8	RTB12 ¹	29/32	3	12-3/32	3/8	•
7/16	RTB14 ¹	29/32	3	12-3/32	3/8	•
1/2	RTB16 ¹	1-5/32	3-13/32	12-5/32	1/2	•
9/16	RTB18 ¹	1-5/32	3-13/32	12-5/32	1/2	•

Sets include storage tray



RTB607



WARNING



- Frequently inspect, clean and lubricate ratchet mechanism with light oil.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P5 for details.
- Read Safety Precautions on pages W1-W4.

RATCHETING BOX (Blue Point®)



BXORM706

Reversible/Standard Handle,
25° Offset, mm (Blue-Point®)

Set
Contains:

BXORM706

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 includes storage tray



BXOR704

Reversible/Standard Handle,
25° Offset, inches (Blue-Point®)

Set
Contains:

BXOR704

in	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	11/32-11/32	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 includes storage tray



RBYAM605

Standard Handle, 25° Offset,
mm (Blue-Point®)

Set
Contains:

RBYAM605

mm	12	A	C	E	12
7-8	RYAM78	15.5-16.3	9.5	105.2	•
9-10	RYAM910	18.8-22.6	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	•
18-18	RYAM1618	33-36.5	12.7	197.2	•
19-21	RYAM1921	35.7-40.1	12.7	224.2	•

Set includes storage tray



RBYA605

Reversible/Standard Handle,
25° Offset, inches (Blue-Point®)

Set
Contains:

RBYA605

in	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	5-5/32	•
1/2-9/16	RYA1618	15/16-1	13/32	6-31/32	•
9/16-3/4	RYA1824	1-9/32-1-7/16	1/2	8	•
5/8-11/16	RYA2022	5/8-1-1/4	13/32	7-27/32	•
3/4-7/8	RYA2428	1-3/8-1-1/2	7/16	8-5/8	•

Set includes storage tray

RATCHETING BOX (Blue Point®)

Latch-on® Head, 0° Offset, mm (Blue-Point®)

mm	RBZM605				12
	12	A	C	E	
7-8	RBZM78 ¹	15.1-17.1	9.5	114.3	•
9-10	RBZM910 ²	20.4-22.6	9.5	140.3	•
11-12	RBZM1112 ²	25.8-29.4	12.7	174.6	•
13-14	RBZM1314 ¹	25.8-29.4	12.7	174.6	•
15-17	RBZM1517 ²	32.9-36.5	12.7	206.4	•
16-18	RBZM1618 ²	32.9-36.5	12.7	206.4	•
19-21	RBZM1921 ¹	35.7-40.1	12.7	234.9	•

Sets include storage tray



RBZM605

Latch-on® Head, 0° Offset, inches (Blue-Point®)

in	RBZ605				12
	12	A	C	E	
1/4-5/16	RBZ810 ¹	19/32-11/16	3/8	4-1/2	•
3/8-7/16	RBZ1214 ²	13/16-29/32	3/8	5-1/2	•
1/2-9/16	RBZ1618 ²	1-1/32-1-5/32	1/2	6-7/8	•
5/8-11/16	RBZ2022 ¹	1-5/16-1-7/16	1/2	8-1/8	•
3/4-7/8	RBZ2428 ²	1-13/32-1-19/32	1/2	9-1/4	•

Sets include storage tray



RBZ605

LOCKING FLEX-HEAD REVERSIBLE RATCHETING BOX (Blue Point®)

Locking Flex Head Ratcheting Box/Cushion Grip, mm (Blue-Point®)

mm	BOERMFLCG712					12
	12	A	B	C	D	
8	BOERMFLCG8	17.8	6.55	32	226	•
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	26	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	•

Set includes storage bag

ASME® B107.100



BOERMFLCG712

Locking Flex Head Ratcheting Box/Cushion Grip, inches (Blue-Point®)

in	BOERFLCG708					12
	12	A	B	C	D	
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	3/8	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	•

Set includes storage bag

ASME® B107.100



BOERFLCG708



- Frequently inspect, clean and lubricate ratchet mechanism with light oil.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

FLANK DRIVE® PLUS COMBINATION



SOEXM710



SOEXM02FMBR

Standard Handle, mm

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.

- **FLANK DRIVE® PLUS WRENCHING SYSTEM:** Provides flat-to-flat contact with fasteners; prevents slipping and rounding of fasteners; up to 62% more turning power and strength
- **LEVERAGE:** Longer length is sized for optimum comfort and balance; increased leverage, comfort and balance
- **ACCESSIBLE:** Handle is offset 15° from the box end for maximum knuckle clearance and increased access in any space
- **VERSATILE:** 7.5° rotation away from handle; wrench can be flipped for a better grip in tight spaces

- **POWERFUL:** Continuous arc design; distributes stress evenly, wrench end will not spread or widen
- **STRONG:** Manufactured from special alloy steel; precision-forged, cold formed and heat treated; nickel-chrome plating; optimum corrosion protection, strength and durability
- **FLANK DRIVE® WRENCHING SYSTEM:** Provides flat-to-flat contact with fasteners; prevents slipping and rounding of fasteners; providing up to 20% more turning power and strength

mm	12	A	B	C	D	E	Set Contains:				
							SOEXM710*	SOEXM707*	SOEXM705**	SOEXM01FMBR*	SOEXM02FMBR*
	12						12	12	12	12	12
8	SOEXM7	11	15	5	4	135					•
9	SOEXM8	13	17	6	4	146					•
10	SOEXM9	14	19	6	5	159					•
11	SOEXM10	15	21	7	5	171	•	•			•
12	SOEXM11	17	23	8	6	184	•	•			•
13	SOEXM12	18	25	8	6	195	•	•			•
14	SOEXM13	20	27	9	6	207	•	•			•
15	SOEXM14	21	29	9	7	219	•	•			•
16	SOEXM15	22	31	10	7	231	•	•			•
17	SOEXM16	24	33	10	7	242	•	•			•
18	SOEXM17	25	35	11	8	255	•	•			•
19	SOEXM18	27	37	12	8	267	•	•			•
20	SOEXM19	28	39	12	9	279	•	•			•
21	SOEXM20	30	41	13	8	292			•		•
22	SOEXM21	31	43	13	9	304			•		•
23	SOEXM22	33	46	14	10	318			•		•
24	SOEXM23	34	47	14	10	327			•		•
25	SOEXM24	35	49	15	11	337			•		•
	SOEXM25	37	52	16	11	356					•

*Sets include storage tray
**Sets include storage bag

*Sets include foam organizer
ASME® B107.100

FLANK DRIVE® PLUS COMBINATION



SOEXM710



SOEX01FMBR

Standard Handle, inches

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 the user's hand. Tough, durable nickel-chrome plating produces a mirror-like finish that helps protect against corrosion and makes it easy to wipe clean.

12	12	A	B	C	D	E	Set Contains:					
							12	12	12	12	12	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	10/32	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				*	*	*

*Sets include storage tray
**Sets include storage bag

*Sets include foam organizer
ASME® B107.100

Standard Handle, Metric and SAE Master Foam Set

Stock No.	Description
SOEXFSET1BR	38 pc 12-Point Flank Drive® Plus Combination Wrench Master Foam Set

Sets shown include foam organizer.

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



SOEXFSET1BR



- Do not use "cheater bars" on handles.
- Pull, do not push on handles.
- Read Safety Precautions on pages W1-W4.

FLANK DRIVE® PLUS COMBINATION



SOEXLM710B

Long Handle, mm

Set Contains:

SOEXLM710B

mm	12	A	B	C	D	E	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	314	•
19	SOEXLM19B	28	39	12	9	331	•

Set includes storage tray



SOEXL707B

Long Handle, inches

Set Contains:

SOEXL707B

in	12	A	B	C	D	E	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	•
5/16	SOEXL18B	27/32	1-5/32	3/8	5/32	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	

Set includes storage tray



SOEXM150

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

FLANK DRIVE® COMBINATION

WRENCHES



OSHM713



OSHM707B



OEXM713B



OEXM710B



OEXM707B



OEXM706



Standard Handle, mm

Set Contains:

mm	Set Contains:		A	B	C	D	E	OSHM713*		OSHM707B*		OEXM725XB**		OEXM723XB**		OEXM713B*		OEXM710B*		OEXM707B*		OEXM706**	
	6	12						6	6	12	12	12	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	150	*			*	*											
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	270	*		*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	36	49	15	11	337			*	*	*	*	*	*	*	*	*	*	*	*	*	*
25	—	OEXM250B	37	52	16	11	356			*	*	*	*	*	*	*	*	*	*	*	*	*	*
26	—	OEXM260B	38	53	16	11	363			*	*	*	*	*	*	*	*	*	*	*	*	*	*
27	—	OEXM270B	39	56	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	480			*	*	*	*	*	*	*	*	*	*	*	*	*	*

*Sets include storage tray
**Sets include storage bag

ASME/ANSI® B107.100

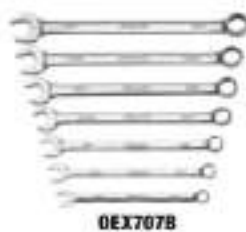


• Read Safety Precautions on pages W3-W4

FLANK DRIVE® COMBINATION



OSH711B



OEX707B



OEX704B



Standard Handle, inches

Set Contains:	Standard Handle, inches							Set Contains:												
	6	12	A	B	C	D	E	6	6	12	12	12	12	12	12	12	12	12	12	
1/4	—	OEX8B	13/32	17/32	3/16	5/32	5			*										
5/16	O5H10B	OEX10B	1/2	21/32	7/32	5/32	5-3/4			*		*								
11/32	O5H11B	OEX11B	17/32	3/4	1/4	3/16	6-1/8			*										
3/8	O5H12B	OEX12B	19/32	25/32	5/16	3/16	6-1/2	*	*	*	*	*	*	*	*	*	*	*	*	*
7/16	O5H14B	OEX14B	21/32	29/32	5/16	7/32	7-1/4	*	*	*	*	*	*	*	*	*	*	*	*	*
1/2	O5H16B	OEX16B	3/4	1-1/16	11/32	1/4	8	*	*	*	*	*	*	*	*	*	*	*	*	*
9/16	O5H18B	OEX18B	27/32	1-3/16	3/8	9/32	8-3/4	*	*	*	*	*	*	*	*	*	*	*	*	*
5/8	O5H20B	OEX20B	15/16	1-5/16	13/32	9/32	9-1/2	*	*	*	*	*	*	*	*	*	*	*	*	*
11/16	O5H22B	OEX22B	1-1/32	1-13/32	7/16	5/16	10-1/4	*	*	*	*	*	*	*	*	*	*	*	*	*
3/4	O5H24B	OEX24B	1-1/8	1-9/16	15/32	11/32	11	*	*	*	*	*	*	*	*	*	*	*	*	*
13/16	O5H26B	OEX26B	1-3/16	1-21/32	17/32	3/8	11-3/4	*	*	*	*	*	*	*	*	*	*	*	*	*
7/8	O5H28B	OEX28B	1-5/32	1-13/16	9/16	3/8	12-1/2	*	*	*	*	*	*	*	*	*	*	*	*	*
15/16	O5H30B	OEX30B	1-3/8	1-29/32	19/32	13/32	13-1/4	*	*	*	*	*	*	*	*	*	*	*	*	*
1	O5H32B	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	16-7/8			*	*	*	*	*	*	*	*	*	*	*
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	21-8/16			*	*	*	*	*	*	*	*	*	*	*
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													

*Sets include storage tray
**Sets include storage bag

ASME®ANSI® B107.100

OEX32B–OEX52B are full polished chrome. OEX54A–OEX64A are satin finish chrome.

Standard Handle, mm, Industrial

Set Contains:	Standard Handle, mm, Industrial							Set Contains:
mm	12	A	B	C	D	E	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	36	11	8	255	*	



GOEXM715



GOEXM715

Set Contains:	Standard Handle, mm, Industrial							Set Contains:
mm	12	A	B	C	D	E	12	
18	GOEXM180B	27	37	12	8	267	*	
19	GOEXM190B	28	38	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

FLANK DRIVE® COMBINATION

WRENCHES



Standard Handle, inches, Industrial

H	12	A	B	C	D	E	Set Contains:			
							GOEX722K**	GOEX714B**	GOEX711B*	GOEX707B*
5/16	GOEX10B	1/2	2-1/32	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	11/8	15/32	14-3/4	*	*		
1-1/8	GOEX36B	1-5/8	2-5/16	11/8	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	11/8	21-9/16	*	*		
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				

*Sets include storage tray
**Sets include storage bag

ASME® B107.100



- Do not use "cheater bars" on handles.
- Pull, do not push on handles.
- Read Safety Precautions on pages W1-W4.

FLANK DRIVE® COMBINATION



OEXLM710B

Long Handle, mm

mm	12	Set Contains:					OEXLM710B		OEXLM707B	
		A	B	C	D	E	12	12		
10	OEXLM10B	15	21	7	5	100	•	•		
11	OEXLM11B	17	23	8	6	203	•	•		
12	OEXLM12B	18	25	8	6	218	•	•		
13	OEXLM13B	20	27	8	6	234	•	•		
14	OEXLM14B	21	29	9	7	250	•	•		
15	OEXLM15B	22	31	10	7	265	•	•		
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	•	•		

Sets include storage tray

ASME® B107.100



OEXL707B

Long Handle, inches

in	12	Set Contains:					OEXL707B	
		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	1-25/32	19/32	13/32	16		
1	OEXL32B	1-15/32	2-1/32	5/8	7/16	17		

Set includes storage tray

ASME® B107.100



GOEXM17B

OEXM710B

Short Handle, mm

mm	Set Contains:		OEXM710B**					GOEXM714K**			OEXM710B*		
	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	45	14	10	192	•					
23	OEXM23B	—	34	47	14	10	197	•					
24	OEXM24B	—	35	49	15	11	201	•					

*Set includes storage tray

**Sets include storage bag

ASME® B107.100

FLANK DRIVE® COMBINATION

WRENCHES



GOEX280B

Short Handle, inches

11	12		A	B	C	D	E	Set Contains:		
	12	12						12	12	12
1/4	GOEX080B	GOEX080B	13/32	17/32	3/16	5/32	4-17/32	*	*	
5/32	GOEX090B	—	7/16	19/32	7/32	5/32	4-21/32	*	*	
5/16	GOEX100B	GOEX100B	1/2	21/32	7/32	5/32	4-27/32	*	*	*
11/32	GOEX110B	GOEX110B	17/32	23/32	1/4	3/16	5	*	*	*
3/8	GOEX120B	GOEX120B	19/32	25/32	1/4	3/16	5-1/8	*	*	*
7/16	GOEX140B	GOEX140B	21/32	29/32	5/16	7/32	5-7/16	*	*	*
1/2	GOEX160B	GOEX160B	3/4	1-1/16	11/32	1/4	5-3/4	*	*	*
9/16	GOEX180B	GOEX180B	27/32	1-5/32	3/8	9/32	6-1/16	*	*	*
5/8	GOEX200B	GOEX200B	15/16	1-5/16	13/32	9/32	6-11/32	*	*	*
11/16	GOEX220B	GOEX220B	1-9/32	1-13/32	7/16	5/16	6-23/32	*	*	*
3/4	GOEX240B	GOEX240B	1-1/8	1-9/16	15/32	11/32	6-31/32	*	*	*
13/16	GOEX260B	GOEX260B	1-3/16	1-21/32	17/32	3/8	7-9/32	*	*	
7/8	GOEX280B	GOEX280B	1-9/32	1-13/16	9/16	3/8	7-9/16	*	*	
15/16	GOEX300B	GOEX300B	1-3/8	1-29/32	19/32	13/32	7-7/8	*	*	
1	GOEX320B	GOEX320B	1-15/32	2-1/32	5/8	7/16	8-3/16	*	*	
1-1/16	GOEX340B	—	1-9/16	2-5/32	21/32	15/32	8-17/32	*	*	
1-1/8	GOEX360B	—	1-5/8	2-5/16	11/16	1/2	8-27/32	*	*	
1-3/16	GOEX380B	—	1-23/32	2-13/32	23/32	1/2	9-1/8	*	*	
1-1/4	GOEX400B	—	1-13/16	2-9/16	3/4	17/32	9-7/16	*	*	
1-5/16	GOEX420B	—	1-29/32	2-21/32	3/4	9/16	9-3/4	*	*	
1-3/8	GOEX440B	—	2	2-13/16	3/4	19/32	10-1/16	*	*	

*Sets include storage tray
**Sets include storage bag

ASME® B107.100



OEXS715K



OEXS709B

Midget, mm

mm	6		A	B	C	D	E	Set Contains:	
	6	12						6	12
4	OXIM45B	—	7	10	4	3	72	*	
5	OXIM55B	—	8	12	4	3	76	*	
5.5	OXIM555B	—	9	13	4	4	79	*	
6	OXIM65B	OXIM6B	10	13	5	4	81	*	
7	OXIM75B	OXIM7B	11	15	5	4	85	*	
8	OXIM85B	OXIM8B	13	17	6	4	89	*	*
9	OXIM95B	OXIM9B	14	19	6	5	93	*	*
10	—	OXIM10B	15	21	7	5	98	*	*
11	—	OXIM11B	17	23	8	6	102	*	*
12	—	OXIM12B	18	25	8	6	106	*	*
13	—	OXIM13B	20	27	9	6	110	*	*
14	—	OXIM14B	21	29	9	7	115	*	*
15	—	OXIM15B	22	31	10	7	119	*	*
16	—	OXIM16B	24	33	10	7	123	*	*
17	—	OXIM17B	25	35	11	8	127	*	*
18	—	OXIM18B	27	37	12	8	131	*	*
19	—	OXIM19B	28	39	12	9	136	*	*

*Sets include storage tray
**Sets include storage bag

ASME® B107.100



OXIM70758K



• Read Safety Precautions on pages W1-W4

FLANK DRIVE® COMBINATION



OXI709SBK

Midget, inches

11	Set Contains:						OXI709SBK**			OXI707BK**			OXI704B*		
	6	12	A	B	C	D	E	6	12	12	6	12	12		
1/8	OXI45B	—	7/32	11/32	1/8	1/8	2-11/16	*							
5/32	OXI55B	—	8/32	13/32	5/32	1/8	2-27/32	*							
3/16	OXI65B	OXI6B	5/16	7/16	5/32	1/8	2-31/32	*	*						
7/32	OXI75B	OXI7B	3/8	1/2	3/16	1/8	3-3/32	*	*						
1/4	OXI85B	OXI8B	13/32	17/32	3/16	5/32	3-7/32	*	*						
9/32	OXI95B	OXI9B	7/16	19/32	7/32	5/32	3-11/32	*	*						
5/16	OXI105B	OXI10B	1/2	21/32	7/32	5/32	3-1/2	*	*						
11/32	OXI115B	OXI11B	17/32	23/32	1/4	3/16	3-5/8	*	*						
3/8	OXI125B	OXI12B	19/32	25/32	1/4	3/16	3-3/4	*	*						
7/16	—	OXI14B	21/32	29/32	5/16	7/32	4-1/32					*			
1/2	—	OXI16B	3/4	1-1/16	1/32	1/4	4-9/32					*			
9/16	—	OXI18B	27/32	1-5/32	3/8	9/32	4-17/32					*			
5/8	—	OXI20B	15/16	1-5/16	13/32	9/32	4-13/16					*			
11/16	—	OXI22B	1-1/32	1-13/32	7/16	5/16	5-1/16					*			
3/4	—	OXI24B	1-1/8	1-9/16	15/32	11/32	5-11/32					*			

*Sets include storage tray
**Sets include storage bag

ASME® B107.100



FHOM606B



FHOM606B

Flex Combination, mm

mm	Set Contains:						FHOM606B	
	12	A	B	D	E	F	12	
8	FHOM8B	12	17	5	148	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	18	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	248	10	*	
18	FHOM18B	24	38	8	254	11		
19	FHOM19B	26	40	8	261	12		

Set includes storage tray

ASME® B107.100



FHOM607B



FHOM607B

Flex Combination, inches

11	Set Contains:						FHOM607B		
	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	5/16	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	*		
15/16	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			

Set includes storage tray

ASME® B107.100



WOEX90B



British Standard, Short Handle

BS	Decimal Equivalent, inches	12	A	B	C	D	E
3/16"	.338	WOEX6B	25/32	19/32	3/16	1/4	5-3/32
1/8"	.365	WOEX7B	25/32	19/32	3/16	1/4	5-5/8
3/8"	.413	WOEX8B	29/32	21/32	7/32	5/16	5-13/32
1/4"	.445	WOEX9B	29/32	21/32	7/32	5/16	5-15/32
5/16"	.525	WOEX10B	1-5/32	27/32	9/32	3/8	6-1/32
3/8"	.6	WOEX11B	1-5/16	15/16	9/32	13/32	6-11/32
7/16"	.710	WOEX12B	1-5/16	1-1/32	5/16	7/16	6-23/32

SPLINE COMBINATION

Short Handle, inches

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 6- and 12-point fasteners with an advantage similar to the Snap-on® Flank Drive® wrenching system.



mm		A	B	C	D	E
14	OES8B	13/32	17/32	1/8	5/32	4-1/2
5/16	OES10B	15/32	21/32	11/64	15/64	4-55/64
3/8	OES12B	17/32	25/32	13/64	17/64	5-7/32
7/16	OES14B	5/8	29/32	15/64	5/16	5-27/64
1/2	OES16B	23/32	1-1/16	1/4	5/16	5-47/64
9/16	OES18B	13/16	1-3/16	17/64	21/64	6-1/32
5/8	OES20B	7/8	1-5/16	9/32	11/32	6-5/16
11/16	OES22B	31/32	1-7/16	19/64	23/64	6-39/64
3/4	OES24B	1-1/16	1-9/16	5/16	3/8	6-29/32

COMBINATION (Blue-Point®)



BLPCWSM712B



Set Contains:

Standard Handle, mm (Blue-Point®)

mm	Stock No.	A	B	C	D	E	12
8	BLPCWM8B	13.5	17.8	6.0	4.7	139.5	•
9	BLPCWM9B	15.0	20.3	6.6	5.3	151.6	•
10	BLPCWM10B	16.5	21.6	7.2	5.7	162.7	•
11	BLPCWM11B	18.0	24.1	7.9	6.2	175.2	•
12	BLPCWM12B	19.5	25.3	8.5	6.8	185.6	•
13	BLPCWM13B	20.5	26.9	9.1	6.8	197.2	•
14	BLPCWM14B	22.5	30.4	9.7	7.2	208.5	•
15	BLPCWM15B	24.0	31.5	10.3	7.7	219.9	•
16	BLPCWM16B	25.0	33.1	10.9	7.7	230.0	•
17	BLPCWM17B	27.0	35.7	11.5	8.3	243.3	•
18	BLPCWM18B	28.5	37.4	12.1	8.7	254.1	•
19	BLPCWM19B	29.4	40.2	12.8	9.4	265.9	•

Set includes storage tray



BLPCW10B



Set Contains:

Standard Handle, inches (Blue-Point®)

mm	Stock No.	A	B	C	D	E	12
14	BLPCW8B	7/16	19/32	13/64	11/64	4-49/64	
5/16	BLPCW10B	17/32	45/64	15/64	3/16	5-1/2	
3/8	BLPCW12B	5/8	55/64	9/32	7/32	6-3/16	•
7/16	BLPCW14B	45/64	61/64	5/16	1/4	6-57/64	•
1/2	BLPCW16B	13/16	1-1/16	23/64	17/64	7-49/64	•
9/16	BLPCW18B	57/64	1-13/64	3/8	9/32	8-13/64	•
5/8	BLPCW20B	63/64	1-5/16	27/64	5/16	9-1/16	•
11/16	BLPCW22B	1-5/64	1-27/64	15/32	25/64	9-49/64	•
3/4	BLPCW24B	1-5/32	1-37/64	1/2	11/32	10-15/32	•
13/16	BLPCW26B	1-9/32	1-43/64	35/64	25/64	11-3/16	•
7/8	BLPCW28B	1-23/64	1-39/64	37/64	13/32	11-59/64	•
15/16	BLPCW30B	1-29/64	1-15/16	5/8	27/64	12-5/8	•
1	BLPCW32B	1-33/64	2-3/64	21/32	7/16	13-21/64	•

Set includes storage tray

FLANK DRIVE® OFFSET BOX

Standard Handle, 10° Offset, mm

mm	6	12	A	C	E	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	8.8-9.1	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	

Set includes storage tray

Set Contains:

XBM605A



XBM605A



- Do not use "cheater bars" on handles.
- Pull, do not push on handles.
- Read Safety Precautions on pages W1-W4

FLANK DRIVE® OFFSET BOX



XB605A



Standard Handle,
10° Offset, inches

Set Contains:
XB605A

12	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	7-19/16	•
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	10-9/32	•
11/16-3/4	XB2224A	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	•

Set includes storage tray

ASME® B107.100



XSM608A



Short Handle,
10° Offset, mm

Set Contains:
XSM608A

mm	12	A	C	E	12
6-7	XSM67A	9.6-10.8	5.7-6.2	86	•
8-9	XSM89A	12.9-13.7	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	•

Set includes storage tray

ASME® B107.100



XS609A



Short Handle,
10° Offset, inches

Set Contains:
XS609A

12	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	4-25/32	•
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	•

Set includes storage tray

ASME® B107.100



XID604KA



Midget,
10° Offset, inches

Set Contains:
XID604KA

12	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	19/32-1/2	3/16-7/32	3-31/32	•

Set includes storage bag

ASME® B107.100

FLANK DRIVE® OFFSET BOX

- Heads of XO, XOM and XSO Series are deeply offset at 60° to the handles for improved access to recessed fasteners
- Wrenches feature the 12-point Flank Drive® configuration for strength and turning power



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	15-18.3	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	XOM1820A	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	328.6	

Set includes storage tray

ASME® B107.100



Standard Handle, Deep 60° Offset, inches

12	12	A	B	C	12
1/4-5/16	XO810	25/64-15/32	1/4-5/16	6-27/64	
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	8-3/8	•
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 includes storage tray

ASME® ANSI® B107.6

Short Handle, Deep 60° Offset, inches

12	Stock No.	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	3/16-7/32	6-1/2

ASME® ANSI® B107.100



FLANK DRIVE® HIGH-PERFORMANCE OFFSET BOX

Standard Handle, 0° Offset, mm

mm	12	A	C	E	12	12
6-7	XDHFPM67	9.1-10.4	5.3-5.8	211.5		
8-9	XDHFPM89	11.6-13.0	5.8-6.2	226.1		
8-10	XDHFPM810	11.6-14.4	6.2-7.6	232.7		•
9-11	XDHFPM911	13.0-15.6	7.6-8.5	253		•
10-11	XDHFPM1011	14.4-15.6	7.6-8.5	253.7	•	
10-12	XDHFPM1012	14.4-17.1	8.5-9.0	272.2		
12-13	XDHFPM1213	17.1-18.7	9.0-9.0	286.2	•	
12-14	XDHFPM1214	17.1-20.1	9.0-10.2	298.4		•
13-14	XDHFPM1314	18.7-20.1	9.0-9.7	299.2		
13-15	XDHFPM1315	20.1-21.5	9.8-10.9	323.5		•
14-15	XDHFPM1415	20.1-21.5	9.8-10.9	323.5	•	
14-17	XDHFPM1417	20.1-23.7	9.8-11.3	345.0		
15-16	XDHFPM1516	21.5-22.8	10.9-10.9	347.5	•	
16-18	XDHFPM1618	22.8-24.3	11.2-12.2	348.3		•
17-19	XDHFPM1719	23.8-26.3	11.3-12.1	372.1	•	•
18-20	XDHFPM1820	25.0-27.3	12.5-13.6	385.7	•	•
21-22	XDHFPM2122	28.8-30.8	13.7-14.6	421.2		
22-24	XDHFPM2224	30.6-33.1	14.0-14.9	445.2		

Sets include storage tray



- Do not use "cheater bars" on handles.
- Pull, do not push on handles.
- Read Safety Precautions on pages W1-W4



FLANK DRIVE® HIGH-PERFORMANCE OFFSET BOX



XDHF605

Standard Handle, 0° Offset, inches

Set Contains:

	12	A	C	E	12
1/4-5/16	XDHF890	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 includes storage tray



XDHSFM1214

Short Handle, 0° Offset, 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	208.6
17-19	XDHSFM1719	23.8-26.3	11.3-12.1	260.3

ASME®ANSI® B107.5m



XDHS1012

Short Handle, 15° Offset, inches

	12	A	C	E
5/16-3/8	XDHS1012	31/64-5/16	1/4-5/16	7



XDHM606

Standard Handle, 15° Offset, mm

Set Contains:

	12	A	C	E	12
8-9	XDHM89	11.8-13.0	5.8-6.2	219.2	•
8-10	XDHM810	11.8-14.4	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	277.8	•
12-14	XDHM1214	17.1-20.1	9.9-10.2	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	364.0	•

Set includes storage tray



XDH605

Standard Handle, 15° Offset, inches

Set Contains:

	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	—	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	—	35/64-5/8	19/64-11/32	9-11/16	•
7/16-1/2	XDH1416A	—	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	•
29/32-7/8	XDH2528	—	1-5/64-1-13/64	38/64-37/64	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	51/64-137/16	22	•

Set includes storage tray

Aerospace Spec. AS884E

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-33797 and MIL-W-8982. The unique spline wrenching configuration can be used on ordinary 6- and 12-point fasteners with an advantage similar to the Snap-on® Flank Drive® wrenching system.

Box/Spline, 15° Offset, inches



XDES1618A



		Stock No.	A	C	E
#7-9 (7/32-9/32")	7/32-9/32	XDES79A	11/32-7/16	11/64-13/64	7-14
#9-10 (1/4-5/16")	1/4-5/16	XDES810A	3/8-15/32	3/16-7/32	8-17/8
#12-14 (3/8-7/16")	3/8-7/16	XDES1214A	35/64-41/64	5/16-11/32	8-3/4
#16-18 (1/2-9/16")	1/2-9/16	XDES1618A	3/4-13/16	3/8-3/8	11-7/16
#18-20 (9/16-5/8")	9/16-5/8	XDES1820A	13/16-57/64	25/64-13/32	12-3/8
#22-24 (11/16-3/4")	11/16-3/4	XDES2224A	31/32-1-5/64	0.438-0.525	14-1/4
#26-30 (13/16-15/16")	13/16-15/16	XDES2630A	1-5/32-1-5/16	1/2-9/16	16-3/16
#28-32 (7/8-1")	7/8-1	XDES2832A	1-1/4-1-7/16	17/32-37/64	17

TORX® BOX



XLE605



Set Contains:

XLE605

TORX®/Long Handle, 10° Offset

#		A	C	E	
E5-E8	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	•

Set includes storage tray

ASME® B107.100



ETX705



Set Contains:

ETX705

TORX®/Standard Handle, 0° Offset

#		A	C	E	
E5-E6	ETX0506	17/64-3/16	5/32-11/64	4-41/64	•
E7-E8	ETX0708	21/64-3/8	7/32-15/64	5-15/32	•
E10-E12	ETX1012	29/64-35/64	1/4-19/64	6-13/32	•
E14-E16	ETX1416	5/8-23/32	11/32-23/64	7-1/2	•
E18-E20	ETX1820	13/16-57/64	13/32-7/16	8-37/64	•

Set includes storage tray

FLANK DRIVE® SPECIALTY BOX



CXM605



Set Contains:

CXM605

Half-Moon, mm

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	15-11	190	78	•
18-21	CXM1821	27-31	11-13	224	88	•

Set includes storage tray



CX605



Set Contains:

CX605

Half-Moon, inches

	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	CX2630	1-1/4-1-11/32	9/16-9/16	10	4-1/16	•

Set includes storage tray



WARNING



- Do not use "cheater bars" on handles.
- Pull, do not push, on handles.
- Read Safety Precautions on pages W1-W4.

FLANK DRIVE® SPECIALTY BOX



SBXM605

S-Shaped, mm

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	•

Set includes storage tray

ASME® B107.100

SBXM605

Set Contains:



SBXM605

S-Shaped, inches

in	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	11/32-11/32	6-7/8	•
11/16-3/4	SBX2224	1-1/32-1-1/8	11/32-11/32	8-7/16	•
13/16-7/8	SBX2628	1-7/32-1-5/16	17/32-9/16	10	•

Set includes storage tray

ASME® B107.100

SBXM605

Set Contains:

OPEN END



VOM705

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
15-16	VOM1616B	33-37	7-8	205
17-19	VOM1719B	35-38	8-9	216
19-22	VOM1922B	39-46	9-10	245
20-23	VOM2023B	39-46	9-10	245
21-24	VOM2124B	43-49	9-10	267
22-24	VOM2224B	46-49	10-10	273
25-27	VOM2527B	49-55	10-11	302
25-28	VOM2628B	49-55	10-11	302
27-30	VOM2730B	55-61	11-12	338
30-32	VOM3032B	61-65	12-12	368

Set includes storage tray

ASME®ANSI® B107.100

VOM705

Set Contains:



VOM806B

Standard, inches

in	Stock No.	B	D	E
3/16-1/4	VO68	13/32	9/64	3-13/32
1/4-5/16	VO810B	17/32-21/32	5/32-5/32	4-1/16
5/16-3/8	VO1012B	21/32-25/32	5/32-3/16	4-21/32
3/8-7/16	VO1214B	25/32-29/32	3/16-7/32	5-5/16
7/16-1/2	VO1416B	29/32-1-1/16	7/32-1/4	5-15/16
1/2-9/16	VO1618B	1-1/16-1-5/32	1/4-9/32	6-19/32
9/16-5/8	VO1820B	1-5/32-1-5/16	9/32-9/32	7-8/32
5/8-11/16	VO2022B	1-5/16-1-13/32	9/32-5/16	7-15/16
5/8-3/4	VO2024B	1-5/16-1-9/16	9/32-11/32	8-9/32
11/16-3/4	VO2224B	1-13/32-1-5/16	5/16-11/32	8-5/8
3/4-13/16	VO2426B	1-9/16-1-21/32	11/32-3/8	9-11/32
3/4-7/8	VO2428B	1-9/16-1-13/16	11/32-3/8	9-21/32
13/16-7/8	VO2628B	1-21/32-1-13/16	3/8-3/8	10-1/32
7/8-15/16	VO2830B	1-13/16-1-29/32	3/8-13/32	10-3/4
15/16-1	VO3032B	1-29/32-2-1/32	13/32-13/32	11-15/32
1-1/16	VO3234B	2-1/32-2-5/32	13/32-7/16	12-7/32
1-1/16-1-1/4	VO3440B	2-5/32-2-17/32	7/16-1/2	12-15/16
1-1/8-1-3/16	VO3638B	2-5/16-2-13/32	7/16-15/32	13-23/32
1-1/4-1-5/16	VO4042B	2-17/32-2-21/32	1/2-1/2	15-1/4
1-3/8-1-7/16	VO4446B	2-13/16-2-29/32	17/32-17/32	16-7/8
1-1/2-1-5/8	VO4852B	3-1/16-3-5/16	9/16-19/32	18-29/32

*Set includes storage tray

**Set includes storage bag

ASME®ANSI® B107.100

VO806B

Set Contains:

Low Torque/Slimline, 15° Offset, mm

mm	Stock No.	B	D	E	
6-7	LTAM67	13-15	3	165	•
8-10	LTAM810	17-21	3	188	•
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	•

Set includes storage bag

ASME[®]/ANSI[®] B107.100



LTAM611

Low Torque/Slimline, 15° Offset, inches

	Stock No.	B	D	E	
3/8-7/16	LTA1214	25/32-29/32	3/32	9-1/2	•
7/16-1/2	LTA1416	29/32-1-1/32	9/32	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	• •
1-1/16-5/8	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	•

Sets include storage bag

ASME[®] B107.100



LTA805K

Ignition, 15°/60° Offset, mm

Stock No.	A	B	C	D	E	
DSM3.25.5	3.2	5.5	8-11	3	74	•
DSM5.53.2	5.5	3.2	11-8	3	83	•
DSM45	4	5	9-11	3	77	•
DSM54	5	4	11-8	3	81	•
DSM67	6	7	12-14	3	85	•
DSM76	7	6	14-12	3	88	•
DSM89	8	9	15-17	3	93	•
DSM98	9	8	17-15	3	97	•
DSM1011	10	11	20-22	4	101	•
DSM1110	11	10	22-20	4	105	•

Set includes storage bag

ASME[®]/ANSI[®] B107.100



DSM810K

Ignition, 15°/60° Offset, inches

Stock No.	A	B	C	D	E	
DS88A	1/8	1/8	5/16-5/16	1/8	2-29/32	•
DS1010A	5/32	5/32	3/8-3/8	1/8	2-7/8	•
DS1212A	3/16	3/16	13/32-13/32	1/8	3-1/8	•
DS1516A	15/64	1/4	15/32-1/2	1/8	3-1/4	• •
DS1615A	1/4	15/64	1/2-15/32	1/8	3-13/32	• •
DS1820A	9/32	5/16	9/16-19/32	1/8	3-1/2	• •
DS2018A	5/16	9/32	19/32-9/16	1/8	3-21/32	• •
DS2224A	11/32	3/8	21/32-23/32	5/32	3-3/4	• •
DS2422A	3/8	11/32	23/32-21/32	5/32	3-3/4	• •

Sets include storage bag

ASME[®]/ANSI[®] B107.100



DS809K



WARNING



- Use only moderate force on Slimline wrenches.
- Read Safety Precautions on pages W1-W4

OPEN END



VSM807B

Four-Way Angle Head, mm

- Angle head wrenches are offset at 30° and 60° angles to the handle
- Both ends are the same size to permit use of one wrench in four positions

mm	Stock No.	Flank Drive® Plus Stock No.	B	D	E	Set Contains:				Flank Drive® Plus	Flank Drive® Plus
						VSM814**	VSM807B*	SVSM807A*	SVSM07FB*		
10	VSM5210B	SVSM10A	20	6	127	•	•	•	•		
11	VSM5211B	SVSM11A	22	6	137	•	•	•	•		
12	VSM5212B	SVSM12A	24	6	145	•	•	•	•		
13	VSM5213B	SVSM13A	26	6	154	•	•	•	•		
14	VSM5214B	SVSM14A	28	6	164	•	•	•	•		
15	VSM5215B	SVSM15A	30	7	173	•	•	•	•		
16	VSM5216B	SVSM16A	31	7	181	•	•	•	•		
17	VSM5217B	SVSM17A	34	7	191	•	•	•	•		
18	VSM5218B	SVSM18A	36	7	200	•	•	•	•		
19	VSM5219B	SVSM19A	37	7	210	•	•	•	•		
21	VSM5221B	SVSM21A	41	8	228	•	•	•	•		
22	VSM5222B	SVSM22A	44	8	238	•	•	•	•		
24	VSM5224B	SVSM24A	47	8	254	•	•	•	•		
27	VSM5227B	SVSM27A	53	9	283	•	•	•	•		

*Set includes storage tray
**Set includes storage bag

*Set includes foam organizer
ASME® B107.100



VS807B



GVS24B

Four-Way Angle Head, inches

Inches	Stock No.	Industrial Stock No.	Flank Drive® Plus Stock No.	B	D	E	Set Contains:				Flank Drive® Plus	Flank Drive® Plus
							VSS20A**	VSS14A**	VSS07B*	SVSS07FB*		
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	—	SVS12A	25/32	7/32	4-27/32	•	•	•	•	•	•
7/16	VS14B	—	SVS14A	7/8	7/32	5-13/32	•	•	•	•	•	•
1/2	VS16B	GVS16B	SVS16A	1	1/4	5-31/32	•	•	•	•	•	•
9/16	VS18B	GVS18B	SVS18A	1-1/8	1/4	6-9/16	•	•	•	•	•	•
5/8	VS20B	GVS20B	SVS20A	1-1/4	9/32	7-1/8	•	•	•	•	•	•
11/16	VS22B	GVS22B	SVS22A	1-3/8	9/32	7-11/16	•	•	•	•	•	•
3/4	VS24B	GVS24B	SVS24A	1-15/32	9/32	8-9/32	•	•	•	•	•	•
13/16	VS26B	GVS26B	SVS26A	1-19/32	5/16	8-27/32	•	•	•	•	•	•
7/8	VS28B	GVS28B	SVS28A	1-23/32	5/16	9-13/32	•	•	•	•	•	•
15/16	VS30B	GVS30B	SVS30A	1-27/32	11/32	10	•	•	•	•	•	•
1	VS32B	GVS32B	SVS32A	1-31/32	11/32	10-9/16	•	•	•	•	•	•
1-1/16	VS34B	—	SVS34A	2-3/32	11/32	11-1/8	•	•	•	•	•	•
1-1/8	VS36B	—	SVS36A	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	SVS40A	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	•	•	•	•	•	•

*Set includes storage tray
**Set includes storage bag

*Set includes foam organizer
ASME® B107.100

OPEN END

WRENCHES

Aluminum (for AN fittings)

- 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 heat-treated aluminum to exact tolerances
- Corner reliefs on open end prevent rounding the corners of the fitting
- Handle length is designed to apply appropriate torque without overtightening
- Wrenches are color coded and stamped for quick size identification
- All wrenches are .36" thick



#	Size	Stock No.	Color	Overall Length, inches (mm)	
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 (181.8)	•
No. 12	1-1/4	ANWR12A	Red	7-1/2 (190.5)	•
No. 16	1-1/2	ANWR16A	Brass	8-3/4 (222)	•
No. 20	1-13/16	ANWR20A	Dark Blue	9-1/4 (237.0)	•

Set includes heavy-gauge vinyl storage pouch

Set Contains:

ANWR700A



ANWR700A

Softjaw Wrenches (Blue-Point®)

- Durable, chrome-vanadium wrenches with Softjaw inserts
- Use to tension anodized aluminum fittings without damage
- Replaceable Softjaw inserts

Stock No.	Description	
BLPSJW0304 [†]	Size 3-4 AN Softjaw Open-End Wrench (Blue-Point®)	•
BLPSJW0305 [†]	Size 3-5 AN Softjaw Open-End Wrench (Blue-Point®)	•
BLPSJW0608 [†]	Size 6-8 AN Softjaw Wrench (Blue-Point®)	•
BLPSJW79 [†]	Size 7-9 AN Softjaw Open-End Wrench (Blue-Point®)	•
BLPSJW1012 [†]	Size 10-12 AN Softjaw Open-End Wrench (Blue-Point®)	•
BLPSJW1113 [†]	Size 11-13 AN Softjaw Open-End Wrench (Blue-Point®)	•
BLPSJW1620 [†]	Size 16-20 AN Softjaw Wrench (Blue-Point®)	
BLPSJW1718 [†]	Size 17-18 AN Softjaw Wrench (Blue-Point®)	

Set Contains:

BLPSJW705[†]



BLPSJW706

OPEN END (Blue-Point®)



BDOE1415



BDOE1820

Standard, mm (Blue-Point®)

mm	Stock No.	Length, mm
10-11	BDOE1011	145
12-13	BDOE1213	165
14-15	BDOE1415	185
16-17	BDOE1617	185
18-19	BDOE1819	227

Standard, inches (Blue-Point®)

Size	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



[†]These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P3 for details. • Read Safety Precautions on pages W1-W4.

FLANK DRIVE® FLARE NUT



RXSM605B

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	

Set includes storage tray

ASME®/ANSI® B107.100



RXS605B

Open End and Flare Nut, inches

Set Contains:

RXS605B

in	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	8-15/32	•
3/4	—	RXS24BS	1-1/4	1-9/16	1/2	1/2	9	•

Set includes storage tray

ASME® B107.100



RXFMS606B

Double End Flare Nut, mm

Set Contains:

RXFMS606B

mm	6	A	C	E	6
7-8	RXFMS78B	15-17	6-7	123	
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	•

Set includes storage tray

ASME® B107.100



RXFS605B

Double End Flare Nut, inches

Set Contains:

RXFS605B

in	6	A	C	E	6
1/4-5/16	RXFS810B	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	10-5/2	

Set includes storage tray

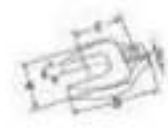
ASME® B107.100

1/4" DRIVE CROWFOOT WRENCHES


WRENCHES

Flank Drive® Plus, Open End, inches

	Stock No.	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	1-15/64	5/16	5/16



Open End, mm

	Stock No.	A	C	D	E	F	
7	TMCOM7	13.5	13.2	24.4	6.6	6.6	*
8	TMCOM8	16.8	14.1	25.9	6.6	6.6	*
10	TMCOM10	19.8	14.6	27.5	6.6	6.6	*
11	TMCOM11	22.4	16.0	29.4	7.0	7.0	*
12	TMCOM12	24.4	16.5	30.6	7.0	7.0	*
13	TMCOM13	26.4	16.6	31.2	7.9	7.9	*
14	TMCOM14	29.0	17.7	32.9	7.9	7.9	*

Set includes storage tray


ASME® B107.21

107TMCOM

Set Contains:



Open End, inches

	Stock No.	A	C	D	E	F	
1/4	TMCO8	17/32	17/32	31/32	1/4	1/4	*
5/16	TMCO10	21/32	9/16	1-1/32	1/4	5/4	*
3/8	TMCO12	25/32	19/32	1-3/32	1/4	1/4	*
7/16	TMCO14	7/8	5/8	1-5/32	5/16	5/16	*
1/2	TMCO16	1-1/32	21/32	1-1/4	5/16	5/16	*
9/16	TMCO18	1-1/8	11/16	1-9/32	5/16	5/16	*

Set includes storage tray


ASME® B107.21

106TMC0

Set Contains:





Flank Drive® Flare Nut/Shallow, 12-Point, inches

	Stock No.	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, 12-Point, inches


		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	11/8	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

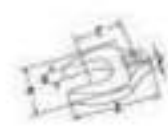
ASME® B107.21



3/8" DRIVE CROWFOOT WRENCHES

Flank Drive® Plus/Open End, inches

	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



- Use only moderate force on Flare Nut wrenches.
- Use only moderate force on Crowfoot wrenches.
- Read Safety Precautions on pages W1-W4.

3/8" DRIVE CROWFOOT WRENCHES



214FC



211GFCO



Open End, Inches, Chrome

	Stock No.	Industrial Stock No.	A	C	D	E	F	Maximum Recommended Working Torque, in-lb	Set Contains:				
									214FC	224FC	214FC	211FCOA*	211GFCO
3/8	FC012A	GFC012A	7/8	23/32	1-19/64	7/32	33/64	80					
7/16	FC014A	GFC014A	7/8	21/32	1-17/64	7/32	33/64	110	*	*	*	*	*
1/2	FC016A	GFC016A	1-1/32	51/64	1-29/64	7/32	33/64	140	*	*	*	*	*
9/16	FC018A	GFC018A	1-1/4	15/16	1-5/8	7/32	33/64	185	*	*	*	*	*
5/8	FC020A	GFC020A	1-1/4	7/8	1-19/32	7/32	33/64	210	*	*	*	*	*
11/16	FC022A	GFC022A	1-33/64	1-3/32	1-59/64	1/4	33/64	250	*	*	*	*	*
3/4	FC024A	GFC024A	1-33/64	1-1/32	1-57/64	1/4	33/64	290	*	*	*	*	*
13/16	FC026A	GFC026A	1-23/32	1-3/32	2	9/32	19/32	335	*	*	*	*	*
7/8	FC028A	GFC028A	1-23/32	1-3/64	1-31/32	9/32	19/32	375	*	*	*	*	*
15/16	FC030A	GFC030A	2	1-5/32	2-1/8	11/32	21/32	420	*	*	*	*	*
1	FC032A	GFC032A	2	1-1/8	2-3/32	11/32	21/32	460	*	*	*	*	*
1-1/16	FC34B		2	1-9/64	2	11/32	21/32	500	*	*	*	*	*
1-1/8	FC36A		2	1-11/64	2	23/64	39/64	560	*	*	*	*	*
1-3/16	FC38A		2	1-13/64	2-1/16	23/64	39/64	615	*	*	*	*	*
1-1/4	FC40A		2-5/32	1-1/4	2-7/32	23/64	41/64	670	*	*	*	*	*
1-5/16	FC42A		2-5/32	1-9/32	2-7/32	23/64	41/64	725	*	*	*	*	*
1-3/8	FC44A		2-23/64	1-5/16	2-3/8	23/64	41/64	780	*	*	*	*	*
1-7/16	FC46A		2-23/64	1-23/64	2-3/8	23/64	41/64	840	*	*	*	*	*
1-1/2	FC48A		2-17/32	1-25/64	2-1/2	23/64	41/64	895	*	*	*	*	*
1-9/16	FC50A		2-17/32	1-27/64	2-1/2	23/64	41/64	950	*	*	*	*	*
1-5/8	FC52A		2-21/32	1-29/64	2-19/32	23/64	41/64	1,005	*	*	*	*	*
1-11/16	FC54A		2-21/32	1-3/2	2-19/32	23/64	41/64	1,060	*	*	*	*	*
1-3/4	FC56A		2-7/8	1-17/32	2-3/4	23/64	41/64	1,120	*	*	*	*	*
1-13/16	FC58A		2-7/8	1-9/16	2-3/4	23/64	41/64	1,175	*	*	*	*	*
1-7/8	FC60A		3-5/32	1-19/32	2-55/64	23/64	41/64	1,230	*	*	*	*	*
1-15/16	FC62A		3-5/32	1-21/32	2-55/64	23/64	41/64	1,290	*	*	*	*	*
2	FC64A		3-13/32	1-47/64	3	31/64	45/64	1,290	*	*	*	*	*
2-1/16	FC66A		3-13/32	1-25/32	3	31/64	45/64	1,290	*	*	*	*	*
2-1/8	FC68A		3-19/32	1-13/16	3-3/16	31/64	45/64	1,290	*	*	*	*	*
2-3/16	FC70A		3-19/32	1-27/32	3-3/16	31/64	45/64	1,290	*	*	*	*	*
2-1/4	FC72A		3-27/32	1-15/16	3-7/16	31/64	45/64	1,290	*	*	*	*	*
2-5/16	FC74A		3-27/32	1-15/16	3-7/16	31/64	45/64	1,290	*	*	*	*	*
2-3/8	FC76A		4-1/8	2-5/64	3-11/16	31/64	45/64	1,290	*	*	*	*	*
2-7/16	FC78A		4-1/8	2-1/8	3-11/16	31/64	45/64	1,290	*	*	*	*	*
2-1/2	FC80A		4-9/32	2-11/64	3-13/16	31/64	45/64	1,290	*	*	*	*	*
2-9/16	FC82A		4-9/32	2-11/64	3-13/16	31/64	45/64	1,325	*	*	*	*	*
2-5/8	FC84A		4-17/32	2-21/64	4-1/16	31/64	45/64	1,405	*	*	*	*	*
2-11/16	FC86A		4-17/32	2-3/8	4-1/16	31/64	45/64	1,460	*	*	*	*	*
2-3/4	FC88A		4-23/32	2-7/16	4-1/4	31/64	45/64	1,520	*	*	*	*	*
2-13/16	FC90A		4-23/32	2-17/32	4-1/4	31/64	45/64	1,600	*	*	*	*	*
2-7/8	FC92A		5-3/32	2-43/64	4-9/16	31/64	45/64	1,705	*	*	*	*	*
2-15/16	FC94A		5-3/32	2-43/64	4-9/16	31/64	45/64	1,760	*	*	*	*	*
3	FC96A		5-3/32	2-23/32	4-1/2	31/64	45/64	1,760	*	*	*	*	*

*Set includes storage tray

ASME*VANS® B107.100

3/8" DRIVE CROWFOOT WRENCHES

Open End, mm, Chrome

mm	Stock No.	A	C	D	E	F	Maximum Recommended Working Torque, in-lb	Set Contains:	
								216FCOM	210FCOMA
9	FCOM9A	22.4	18.8	33.3	5.3	13.2	85	•	
10	FCOM10A	22.4	17.0	33.0	5.3	13.2	100	•	•
11	FCOM11A	22.4	16.6	32.3	5.3	13.2	125	•	•
12	FCOM12A	26.2	21.0	37.3	5.3	13.2	140	•	•
13	FCOM13A	26.2	19.8	36.8	5.3	13.2	170	•	•
14	FCOM14A	26.2	18.6	36.1	5.3	13.2	210	•	•
15	FCOM15A	31.8	22.7	40.9	5.3	13.2	230	•	•
16	FCOM16A	31.8	21.7	40.4	5.3	13.2	255	•	•
17	FCOM17A	31.8	20.5	39.9	5.3	13.2	275	•	•
18	FCOM18A	38.4	27.2	48.5	6.4	13.2	290	•	•
19	FCOM19A	38.4	26.2	48.0	6.4	13.2	315	•	•
20	FCOM20A	38.4	25.0	48.0	6.4	13.2	340	•	•
21	FCOM21A	43.7	27.4	48.8	7.1	15.0	375	•	•
22	FCOM22A	43.7	26.4	50.0	7.1	15.0	400	•	•
23	FCOM23A	50.5	30.1	54.4	8.9	16.8	425	•	•
24	FCOM24A	50.5	28.8	53.8	8.9	16.8	460	•	•

Set includes storage tray

ASME® B107.21



210FCOMA

Flank Drive® Flare Nut, 6-Point, mm

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	170		
10	FRHM10	22.9	7.4	14.2	35.3	9.7	212	•	
11	FRHM11	22.9	8.3	14.2	35.3	9.7	245	•	
12	FRHM12	25.4	9.0	14.2	36.5	9.7	280	•	
13	FRHM13	25.4	9.4	14.2	36.6	9.7	315	•	
14	FRHM14	28.4	10.5	18.8	40.9	11.2	385	•	
15	FRHM15	28.4	11.2	18.8	40.9	11.2	450	•	
16	FRHM16	28.4	11.7	18.8	40.9	11.2	530	•	
17	FRHM17	33.3	12.6	20.6	44.7	12.7	600	•	
18	FRHM18	33.3	13.6	20.6	44.7	12.7	670	•	
19	FRHM19	33.3	14.7	20.6	44.7	12.7	740	•	
20	FRHM20	41.1	15.2	22.1	50.3	14.2	850	•	
21	FRHM21	41.1	16.3	22.1	50.3	14.2	920	•	
22	FRHM22	41.1	17.0	22.1	50.3	14.2	1,025	•	

Set includes storage tray

ASME® B107.21



210FRHMA

Flank Drive® Flare Nut, 6-Point, inches

In	6	A	B	C	D	E	Maximum Recommended Working Torque, in-lb	Set Contains:	
								2075FRH	6
3/8	FRH120S	13/32	1/4	9/16	1-11/32	3/8	190	•	
7/16	FRH140S	29/32	5/16	9/16	1-13/32	3/8	255	•	
1/2	FRH160S	1	11/32	9/16	1-7/16	3/8	320	•	
9/16	FRH180S	1-1/8	3/8	3/4	1-5/8	7/16	405	•	
5/8	FRH200S	1-1/8	7/16	3/4	1-5/8	7/16	510	•	
11/16	FRH220S	1-5/16	1/2	13/16	1-25/32	1/2	600	•	
3/4	FRH240S	1-5/16	9/16	13/16	1-25/32	1/2	700	•	
13/16	FRH260S	1-5/8	5/8	7/8	1-31/32	9/16	820	•	
7/8	FRH280S	1-5/8	23/32	7/8	1-31/32	9/16	940	•	
15/16	FRH300S	1-7/8	11/16	15/16	2-3/16	5/8	1,020	•	
1	FRH320S	1-7/8	3/4	15/16	2-3/16	5/8	1,180	•	

Set includes storage tray

ASME® B107.21



2075FRH



- Use only moderate force on Flare Nut wrenches.
- Use only moderate force on Crowfoot wrenches.
- Screen for puller application.
- Read Safety Precautions on pages W1-W4.

3/8" DRIVE CROWFOOT WRENCHES



208AN

Flank Drive® Flare Nut, Deep, 12-Point, inches

Set Contains:

208AN

	12	A	B	C	E	Maximum Recommended Working Torque, in-lb	12
5/8	AN850B10B	15/16	1/2	23/32	23/32	280	•
11/16	AN850B11B	1-1/32	17/32	25/32	23/32	345	•
3/4	AN850B12B	1-1/8	9/16	13/16	3/4	360	•
13/16	AN850B13B	1-7/32	5/8	7/8	3/4	360	•
7/8	AN850B14B	1-5/16	25/32	15/16	25/32	580	•
15/16	AN850B15B	1-3/8	3/4	31/32	25/32	590	•
1	AN850B16B	1-7/16	3/4	1	13/16	590	•
1-1/16	AN850B17B	1-17/32	25/32	1-1/32	13/16	590	•

Set includes storage tray

ASME[®]/ANSI[®] B107.21

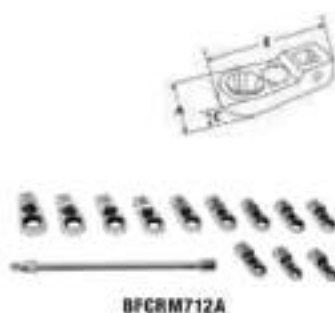


A277

Crowfoot Wrench Holder

A277 3/8" Drive 8-3/4" Crowfoot Wrench Holder

- Organizes and stores crowfoot wrenches
- 2-piece design snaps apart for access to desired size
- 8-3/4" long




BFCRM712A

Ratcheting, mm (Blue-Point®)

Set Contains:

BFCRM712A

		A	C	E	
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	•

Set includes FXLSP10, 10" locking extension

Set shown includes storage tray



BFCR708A

Ratcheting, inches (Blue-Point®)

Set Contains:

BFCR708A

		A	C	E	
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	2-1/8	•
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 FXLSP10, 10" locking extension

Set shown includes storage tray

1/2" DRIVE CROWFOOT WRENCHES

WRENCHES

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
50	SCOM50A	100.6	53.8	14.6	16.1	—



SCOM32

Open End, inches

		A	C	E	F	Maximum Recommended Working Torque, in-lb	Set Contains:
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	2,500	•
1-1/8	SCO36	2-7/32	1-3/4	3/8	5/8	2,700	•
1-3/16	SCO38	2-11/32	1-3/4	13/32	5/8	2,700	•
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	

Set includes storage tray

ASME® B107.21



3145COA

Adjustable, inches/mm

ADCFB 3/8" Drive Metric 0-29 mm Adjustable Crowfoot Wrench

- Metric and SAE scales
- Opening range from 0-1.14" (0-29 mm)
- Lateral side nut is designed to work on difficult-to-access fasteners and minimizes dirt accumulation



ADCFB



- Always pull wrench in direction of fixed jaw.
- Use only moderate force on crowfoot and fixed jaw wrenches.
- Read Safety Precautions on pages W1-W4.

1/2" DRIVE CROWFOOT WRENCHES



315AN

Flank Drive® Flare Nut/Deep, 12-Point, inches

Set Contains: **315AN**

		A	B	C	E	Maximum Recommended Working Torque, in-lb	
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	2-6/8	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	•

Set includes storage tray

ASME® ANSI® B107.21

HEAVY-DUTY STRIKING WRENCHES



HTX100P



HTX52



Slugging Wrench Retainers

Set Contains: **HTX100P**

Stock No.	Description	A	B	C	D	
HTX24	3/4" Stud Slugging Wrench Retainer	3/8	1-29/32	1-15/16	1-3/4	•
HTX28	7/8" Stud Slugging Wrench Retainer	7/8	2	2-3/16	1-29/32	•
HTX32	1" Stud Slugging Wrench Retainer	1	2-1/8	2-1/2	2-1/32	•
HTX36	1-1/8" Stud Slugging Wrench Retainer	1-1/8	2-1/4	2-1/2	2-5/32	•
HTX40	1-1/4" Stud Slugging Wrench Retainer	1-1/4	2-3/8	2-7/8	2-9/32	•
HTX44	1-3/8" Stud Slugging Wrench Retainer	1-3/8	2-15/32	3-1/8	2-3/8	•
HTX48	1-1/2" Stud Slugging Wrench Retainer	1-1/2	2-5/8	3-1/8	2-1/2	•
HTX52	1-5/8" Stud Slugging Wrench Retainer	1-5/8	2-3/4	3-5/8	2-21/32	•
HTX56	1-3/4" Stud Slugging Wrench Retainer	1-3/4	2-7/8	3-7/8	2-3/4 (170)	•
HTX60	1-7/8" Stud Slugging Wrench Retainer	1-7/8	3	4-1/2	2-7/8	•

Set includes storage case.

HEAVY-DUTY STRIKING WRENCHES







DX634

WRENCHES

Flank Drive® Straight Striking, 12-Point, inches/mm

Set Contains:

DX634

			A	B	C	
1-3/16	30	DX138A	7/8	2-3/32	7-35/64	*
1-1/4	32	DX140A	7/8	2-3/32	7-35/64	*
1-5/16	33	DX142A	7/8	2-3/32	7-35/64	*
1-3/8	35	DX144A	81/64	2-17/64	7-41/64	*
1-7/16	36	DX146A	81/64	2-17/64	7-41/64	*
1-1/2	38	DX148A	81/64	1-17/64	7-41/64	*
1-5/8	41	DX152A	1-9/64	2-5/8	7-53/64	*
1-11/16	43	DX154A	1-9/64	2-5/8	7-53/64	*
1-3/4	44	DX156A	1-7/32	2-13/16	7-29/32	*
1-13/16	46	DX158A	1-7/32	2-13/16	7-29/32	*
1-7/8	47	DX160A	1-7/32	2-13/16	7-29/32	*
—	50	DXM50	1-13/32	3-11/64	11-19/32	*
2	51	DX164A	1-13/32	3-11/64	11-19/32	*
2-1/16	52	DX166A	1-13/32	3-11/64	11-19/32	*
2-3/16	55	DX170A	1-17/32	3-29/64	11-47/64	*
2-1/4	57	DX172A	1-17/32	3-29/64	11-47/64	*
2-3/8	60	DX176A	1-21/32	3-23/32	11-55/64	*
2-7/16	62	DX178A	1-21/32	3-23/32	11-55/64	*
2-1/2	63	DX180A	1-21/32	3-23/32	11-55/64	*
2-9/16	65	DX182A	1-51/64	3-63/64	13	*
2-5/8	67	DX184A	1-51/64	3-63/64	13	*
2-3/4	70	DX188A	1-59/64	4-17/64	14-17/64	*
2-13/16	71	DX190A	1-59/64	4-17/64	14-17/64	*
2-15/16	75	DX194A	2-3/64	4-17/32	14-13/32	*
3	76	DX196A	2-3/64	4-17/32	14-13/32	*
3-1/8	79	DX1109A	2-17/64	4-29/32	17-37/64	*
3-3/8	85	DX1108A	2-17/64	4-29/32	17-37/64	*
3-1/2	89	DX1112A	2-29/64	5-19/64	17-51/64	*
3-3/4	95	DX1120A	2-21/32	5-17/32	17-51/64	*
3-7/8	98	DX1124A	2-21/32	5-17/32	17-57/64	*
4-1/8	105	DX1132A	2-59/64	6-1/32	18-9/64	*
4-1/4	108	DX1136A	2-59/64	6-1/32	18-9/64	*
4-1/2	114	DX1144A	3-5/32	6-25/32	20-1/64	*
4-5/8	117	DX1148A	3-5/32	6-25/32	20-1/64	*

ASME® B107.100



- Use only moderate force on Flank Drive wrenches.
- Discontinue use of wrenches with chipped or significantly mushroomed striking ends.
- Read Safety Precautions on pages W1-W4.

HEAVY-DUTY STRIKING WRENCHES



**Flank Drive®
Offset Handle Sledge Hammer,
12-Point, inches/mm**

Set Contains: **HX625**

12	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	•
—	50	HXMS0	1-1/4	2-7/8	13	•
1-7/8	47	HX600A	1-1/4	2-7/8	13	•
1-15/16	49	HX620A	1-1/2	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	•

Set includes storage case



Set Contains: **HX625**

12	mm	12	A	B	C	12
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	•

Set includes storage case

HEAVY-DUTY TUBULAR WRENCHES



Tubular Handles

Size, inches	Stock No.	A	B
13	13B	13-1/2	7/8
24	24B	24	7/8
36	36B	36	1-9/16



Open-End Tubular, inches/mm




12	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
1-3/8	—	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	36	OE144C	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

ASME® B107.100

HEAVY-DUTY TUBULAR WRENCHES

WRENCHES

Flank Drive® Straight Box, inches/mm



			A	B	C	Fits Handle No.
3/4	—	XH124C	1/2	1-5/4	10-13/16	13B or 24B
13/16	—	XH126C	3/2	1-5/4	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
1-5/8	—	XH136C	11/16	1-11/16	11-1/8	13B or 24B
1-3/4	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	XH144C	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	26B

ASME® B107.100



XH1100C

Flank Drive® Offset Box, inches


		A	B	C	Fits Handle No.
1-1/16	X340B	5/8	1-21/32	10-1/2	24B
1-1/8	X360B	47/64	1-29/32	10-45/64	24B
1-1/4	X400C	47/64	1-29/32	10-45/64	24B
1-5/16	X420B	13/16	2	10-51/64	24B
1-3/8	X440B	7/8	2-5/64	10-51/64	24B
1-7/16	X460B	7/8	2-11/64	10-51/64	24B
1-1/2	X480B	15/16	2-1/4	10-29/32	24B
1-9/16	X500B	15/16	2-21/64	10-29/32	24B
1-5/8	X520B	1	2-27/64	11	24B
1-11/16	X540B	1-1/16	2-39/64	13-19/64	36B
1-3/4	X560B	1-1/16	2-39/64	13-19/64	36B
1-13/16	X580B	1-1/8	2-3/4	13-13/32	36B
1-7/8	X600B	1-1/8	2-3/4	13-13/32	36B
2	X640B	1-1/4	2-31/32	13-1/2	36B
2-1/16	X660B	1-1/4	2-31/32	13-1/2	36B
2-3/16	X700B	1-5/16	3-15/64	13-39/64	36B
2-1/4	X720B	1-5/16	3-15/64	13-39/64	36B
2-3/8	X760B	1-3/8	3-13/32	13-45/64	36B
2-9/16	X820B	1-1/2	3-21/32	13-51/64	36B
2-5/8	X840B	1-1/2	3-3/4	13-29/32	36B
2-3/4	X880B	1-5/8	3-15/16	14	36B
2-15/16	X940B	1-11/16	4-5/32	14-7/64	36B
3-1/8	X1000B	1-3/4	4-13/32	14-13/64	36B



X1000B

X340B

Manual Impact Wrenches

	Stock No.	A	B	C	Max Torque Output, ft-lb	Max Pull on Handles, lbs	Weight, lb (kg)
1/2	PHTPW50050	1-5/8	12	1-21/32	500	39"	6 (2.7)
3/4	PHTPW50075	1-5/8	12	1-21/32	500	39"	6 (2.7)
3/4	PHTPW80075	2	16	2	800	50"	11 (4.9)
1	PHTPW2000100	2-1/2	24	2-5/8	2,000	75"	23 (10.4)

*Max pull of handle, in-lb, to deliver torque output



PHTPW2000100

PHTPW50050



- Discontinue use of wrenches with clipped or significantly mushroomed sliding pins.
- Do not use "cheater bars" on tubular handles.
- Read Safety Precautions on pages W1-W4.

COMBINATION T- AND L-SHAPED WRENCHES

- Ergonomic soft grip handle provides comfort during repetitive tasks
- Deliver superior turning power
- Allow maximum pressure to be applied when loosening difficult fasteners with both "T" and "L" applications
- Blades are 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-to-access situations
- Hole in the handle for hanging tool or attaching a tether
- Color-coded handles identify metric and inch sizes at a glance



AWSGM800A

Hex/Soft Grip Handle, mm

Set Contains:

mm	Stock No.	T-Length, mm	Length, mm	
2	AWSGM2A	95	152	•
2.5	AWSGM2.5A	96	152	•
3	AWSGM3A	98	152	•
4	AWSGM4A	98	187	•
5	AWSGM5A	117	187	•
6	AWSGM6A	117	246	•
8	AWSGM8A	117	246	•
10	AWSGM10A	124	246	•

Set includes storage tray



AWBSGM800A

Ball Hex/Soft Grip Handle, mm

Set Contains:

mm	Stock No.	T-Length, mm	Length, mm	
2	AWBSGM2A	95	152	•
2.5	AWBSGM2.5A	96	152	•
3	AWBSGM3A	98	152	•
4	AWBSGM4A	98	187	•
5	AWBSGM5A	117	187	•
6	AWBSGM6A	117	246	•
8	AWBSGM8A	117	246	•
10	AWBSGM10A	124	246	•

Set includes storage tray



AWSG800A

Hex/Soft Grip Handle, inches

Set Contains:

in	Stock No.	T-Length, inches	Length, inches	
3/32	AWSG06A	3-7/8	6	•
7/64	AWSG07A	3-7/8	6	•
1/8	AWSG08A	3-7/8	6	•
9/64	AWSG09A	3-7/8	6	•
5/32	AWSG10A	3-7/8	7-3/8	•
3/16	AWSG12A	4-3/4	7-3/4	•
7/32	AWSG14A	4-3/4	7-3/4	•
1/4	AWSG16A	4-3/4	9-5/8	•
5/16	AWSG20A	4-3/4	9-5/8	•
3/8	AWSG24A	4-3/4	9-5/8	•

Set includes storage tray



AWBSG800A

Ball Hex/Soft Grip Handle, inches

Set Contains:

in	Stock No.	T-Length, inches	Length, inches	
3/32	AWBSG06A	3-7/8	6	•
7/64	AWBSG07A	3-7/8	6	•
1/8	AWBSG08A	3-7/8	6	•
9/64	AWBSG09A	3-7/8	6	•
5/32	AWBSG10A	3-7/8	7-3/8	•
3/16	AWBSG12A	4-3/4	7-3/4	•
7/32	AWBSG14A	4-3/4	7-3/4	•
1/4	AWBSG16A	4-3/4	9-5/8	•
5/16	AWBSG20A	4-3/4	9-5/8	•
3/8	AWBSG24A	4-3/4	9-5/8	•

Set includes storage tray

COMBINATION T- AND L-SHAPED WRENCHES

TORX®/Soft Grip Handle

Set Contains:

#	Stock No.	T-Length, inches	Length, inches	
T6	AWSGT6A	3-7/8	6	
T7	AWSGT7A	3-7/8	6	
T8	AWSGT8A	3-7/8	6	
T9	AWSGT9A	3-7/8	6	
T10	AWSGT10A	3-7/8	6	*
T15	AWSGT15A	3-7/8	7-3/8	*
T20	AWSGT20A	3-7/8	7-3/8	*
T25	AWSGT25A	4-3/4	7-5/8	*
T27	AWSGT27A	4-3/4	7-5/8	*
T30	AWSGT30A	4-3/4	9-5/8	*
T40	AWSGT40A	4-3/4	9-5/8	*
T45	AWSGT45A	4-3/4	9-3/4	*
T50	AWSGT50A	4-3/4	9-3/4	*

Set includes storage tray



AWSGT800A

TORX Plus®/Special Application

AWSGTRP20A T20 TORX® T-Shaped/L-Shaped Combination Wrench

- Extra long length of 10-1/2" and T20 Tamper-Proof TORX® configuration is specifically designed to access Mercedes-Benz® vehicle mirrors
- Short end is also a T20 Tamper-Proof TORX® configuration for use in tight quarters

AWSGTRP25A T25 TORX® T-Shaped/L-Shaped Combination Wrench

- Designed to access Bosch® mass air flow (MAF) sensor screws in various Mercedes®, Volvo® and other European vehicles



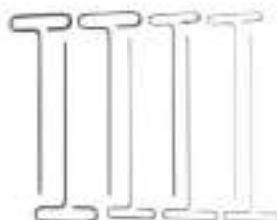
AWSGTRP20A

AWSGTRP25A

T-SHAPED



AWMCG1600B



GAW1900A



AWC1600B

Hex/ T-Handle, mm

Set Contains:

mm	Stock No.	
2	AWMCG1602B	*
2.5	AWMCG16025B	*
3	AWMCG1603B	*
4	AWMCG1604B	*
5	AWMCG1605B	*
6	AWMCG1606B	*
8	AWMCG1608B	*
10	AWMCG1610B	*

Hex/T-Handle, inches

Set Contains:

	Standard Handle 9" Length	Red Handle 6" Length	Standard Handle	Red Handle
3/32	GAW1906	AWCG1606B	*	*
7/64	GAW1907	AWCG1607B	*	*
1/8	GAW1908	AWCG1608B	*	*
5/64	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		



• Read Safety Precautions on pages W1-W4

T-SHAPED



AWBMC61600



AWBC61600



AWCGT500

Ball Hex/ T-Handle, mm

Set
Contains:

AWBMC61600

mm	Stock No.	
2	AWBMC61602	*
2.5	AWBMC616025	*
3	AWBMC61603	*
4	AWBMC61604	*
5	AWBMC61605	*
6	AWBMC61606	*
8	AWBMC61608	*
10	AWBMC61610	*

Ball Hex/ T-Handle, inches

Set
Contains:

AWBC61600

	Stock No.	
3/32	AWBC61606	*
7/64	AWBC61607	*
1/8	AWBC61608	*
9/64	AWBC61609	*
5/32	AWBC61610	*
3/16	AWBC61612	*
7/32	AWBC61614	*
1/4	AWBC61616	*
5/16	AWBC61620	*
3/8	AWBC61624	*

TORX®/ T-Handle

Set
Contains:

AWCGT500

#	Stock No.	
T7	AWCGT7	
T8	AWCGT8	*
T10	AWCGT10	*
T15	AWCGT15	*
T20	AWCGT20	*
T25	AWCGT25	*
T27	AWCGT27	
T30	AWCGT30	
T40	AWCGT40	
T45	AWCGT45	



AWSTAND

Wrench Stands

AWSTAND Storage Stand for L-Shaped/T-Shaped Wrenches

- 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 workcenter or lie flat on top of toolbox
- Stand holds the following wrench styles:
 - L- or T-shaped SAE hex 1/16–3/8" (excludes AWSG and AWSBSG series)
 - L- or T-shaped metric hex 2–10 mm (excludes AWSGM and AWSBSGM series)
 - L- or T-shaped TORX® T6 T50 (excludes AWSGT and AWSGTPT series)
- Metric or TORX® on one stand
- SAE and metric on one stand
- Metric and SAE ball wrenches

FOLDING SETS



AWMEF10K



AWMEF6K



AWMEF7K



AWMEF8K

Hex, mm

AWMEF10K 10 pc Metric Folding Hex Key Set

- Tri-fold design allows for up to five additional keys in the set, without increased size of housing
- Impact-modified nylon housing designed to minimize loss of torque transfer to hex keys and prevent damage if dropped
- Gold-finish plating provide superior corrosion protection to traditional coating methods
- Includes (10) folding hex keys (1.5–10 mm)

AWMEF6K 6 pc Metric Folding Hex Key Set

- Includes (6) folding hex keys (3–6, 8 and 10 mm)

AWMEF7K 7 pc Metric Folding Hex Key Set

- Includes (7) folding hex keys (1.5–6 mm)

AWMEF8K 8 pc Metric Folding Hex Key Set

- Includes (2–8 mm)

Hex, inches

AWEF11K 11 pc SAE Folding Hex Key Set

- Tri-fold design allows for up to five additional keys in the set, without increased size of housing
- Impact-modified nylon housing designed to minimize loss of torque transfer to hex keys and prevent damage if dropped
- Brite-finish plating provide superior corrosion protection to traditional coating methods
- Includes (11) folding hex keys (5/64–3/8")

AWEF6K 6 pc SAE Folding Hex Key Set

- Includes (6) hex keys (5/32–3/8")

AWEF9K 9 pc SAE Folding Hex Key Set

- Includes (9) folding hex keys (.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32 and 3/16")



TORX®

AWTEF11K 11 pc TORX® Folding Hex Key Set

- Tri-fold design allows for up to five additional keys in the set, without increased size of housing
- Impact-modified nylon housing is designed to minimize the loss of torque transfer to hex keys and help prevent damage if dropped
- Black-oxide finish for corrosion protection
- Includes (11) folding hex keys (T8–T50)

AWTEF8K 8 pc TORX® Folding Key Set

- Includes (8) folding TORX® keys (T8, T10, T15, T20, T25, T27, T30 and T40)

AWTPEF10K 10 pc TORX® Plus Folding Hex Key Set

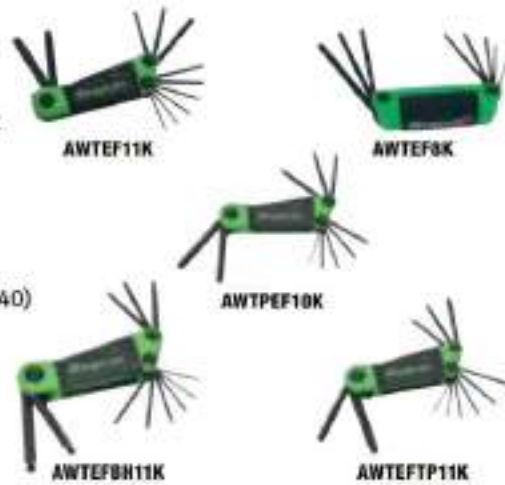
- Includes (10) folding hex keys (IPB–IP50)

AWTEFBH11K 11 pc TORX® Folding Ball Hex Key Set

- Black-oxide finish for corrosion protection
- Includes (11) folding hex keys (T8–T50)

AWTEFTP11K 11 pc TORX® Tamper-Proof Folding Key Set

- Includes (11) folding hex keys (TR8–TR50)



Ball Hex, inches

AWEFBH11K 11 pc SAE Folding Hex Ball Key Set

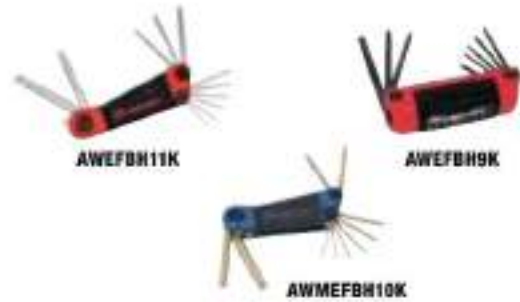
- Tri-fold design allows for up to five additional keys in the set, without increased size of housing
- Impact-modified nylon housing designed to minimize loss of torque transfer to hex keys and prevent damage if dropped
- Brite-finish plating provide superior corrosion protection to traditional coating methods
- Ball-end allows fasteners to be turned continuously without removing key to reposition
- Includes (11) folding hex keys (5/64–3/8")

AWEFBH9K 9 pc SAE Folding Ball Hex Key Set

- Includes (9 pc) (5/64–1/4")

AWMEFBH10K 10 pc Metric Folding Hex Ball Key Set

- Includes (10) folding hex keys (1.5–10 mm)



Combination Folding Key Sets

AWHD8K 8 pc TORX®/Hex Folding Key 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 12 pc Metric/SAE Folding Hex Key Set

- Includes (12) folding hex keys (SAE 5/64, 3/32, 7/64, 1/8, 9/64 and 5/32") (metric 1.5, 2, 2.5, 3, 4 and 5 mm)

- Turn-and-flip feature eliminates the need for constant removal of the tool to reposition it in the screw head when working next to obstructions

AWCPEF16K 16 pc Metric/SAE Folding Combination Hex Key Set

- Set includes (16 pc) AWEF9K hex set (.050–3/16") and AWMEF7K metric hex set (1.5–6 mm)



- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Read Safety Precautions on pages W1–W4.

L-SHAPED



AWBPH13



AWBS13



AWBXL13



BHS13A



BHS7A



DBHS13



AWBML9



AWMBPH9



AWMBS9



BHM9A



DBHM9

Double Ball Hex Key Sets

AWBPH13 13 pc SAE L-Shaped Ball Hex Wrench Set

- Screw-holding tip holds fastener to tool for delicate installations
- 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
- Includes plastic index

AWBS13 13 pc SAE L-Shaped Stubby Ball Hex Wrench Set

- Stubby length for access to tight quarters
- 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
- Includes plastic index

AWBXL13 13 pc SAE L-Shaped Extra-Long Ball Hex Wrench 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
- Includes plastic index

BHS13A 13 pc SAE L-Shaped Ball Hex Wrench 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
- Includes plastic index

BHS7A 7 pc SAE L-Shaped Ball Hex Wrench Set

- Includes 5/64, 3/32, 7/64, 1/8, 9/64, 5/32 and 3/16" sizes
- Includes plastic index

DBHS13 13 pc SAE L-Shaped Double Ball Hex Wrench Set

- 100° angle bend allows for access to fasteners a 90° stubby key cannot reach
- 100° angle provides a ±10° range of motion, or full 20°, creating clearance to help prevent "knuckle-busting"
- Ball hex on short-arm has a thicker "neck" than traditional ball hex designs, providing up to 50% more torque on the long arm
- Long arm utilizes an XL-pattern to access fasteners in deep recesses, with standard ball-hex tip
- 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, 3/8" sizes
- Includes plastic index

Ball Hex Key Sets

AWBML9 9 pc Metric Extra-Long L-Shaped Ball Hex Wrench Set

- Includes 1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10 mm sizes
- Includes plastic index

AWMBPH9 9 pc Metric L-Shaped Ball Hex Wrench Set

- Screw-holding tip holds fastener to tool for delicate installations
- Includes 1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10 mm sizes
- Includes plastic index

AWMBS9 9 pc Metric Stubby L-Shaped Ball Hex Wrench Set

- Stubby length for access in tight quarters
- Includes: 1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10 mm sizes
- Includes plastic index

BHM9A 9 pc Metric L-Shaped Ball Hex Wrench Set

- Includes 1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10 mm sizes
- Includes plastic index

DBHM9 9 pc Metric L-Shaped Double Ball Wrench Set

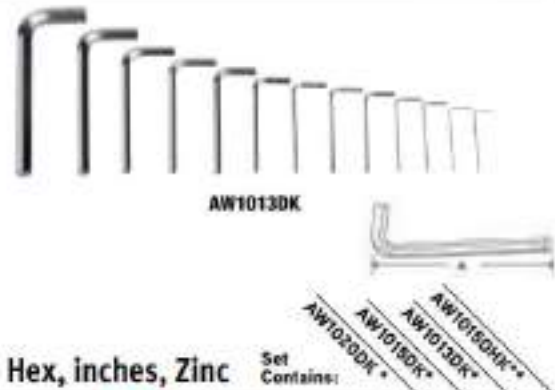
- 100° angle bend allows for access to fasteners a 90° stubby key cannot reach
- Ball hex on short-arm has a thicker "neck" than traditional ball hex designs, providing up to 50% more torque on the long arm
- Includes 1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10 mm sizes
- Includes plastic index

L-SHAPED

WRENCHES



AWM110DHK



AW1013DK

Hex, mm, Zinc

Set Contains:

	Stock No.	mm	A			
Standard Length	AWM2D	2	47.7	*	*	*
	AWM2-1/2D	2.5	52.0	*	*	*
	AWM3D	3	56.6	*	*	*
	AWM4D	4	65.0	*	*	*
	AWM5D	5	75.6	*	*	*
	AWM6D	6	82.2	*	*	*
	AWM7D	7	92.4	*	*	*
	AWM8D	8	98.2	*	*	*
	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	89.6			
	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			

*Set includes metal storage index
**Set includes storage bag

Hex, inches, Zinc

Set Contains:

	Stock No.	Hex	A			
	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	*		

*Set includes metal storage index
**Set includes storage bag

Hex/Long, inches, Zinc

Set Contains:

	Stock No.	Hex	A			
	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	*		

*Set includes metal storage index
**Set includes storage bag



AWL1010DHK



• Read Safety Precautions on pages W1-W4

L-SHAPED



AWMG9



Set Contains:
AWMG9

Hex, mm, Gold Finish

Stock No.	mm	
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	•



AWS13



Set Contains:
AWS13

Hex, SAE, Natural Finish

Stock No.		
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	•



AWTPH8

Set Contains:
AWTPH8

TORX®/Screw Holding Tip

Stock No.	#	
AWTPHT9	T9	•
AWTPHT10	T10	•
AWTPHT15	T15	•
AWTPHT20	T20	•
AWTPHT25	T25	•
AWTPHT27	T27	•
AWTPHT30	T30	•
AWTPHT40	T40	•



AWTR8



Set Contains:
AWTR8

TORX®/Tamper-Resistant

Stock No.	#	
AWTR8-1	TR9	•
AWTR8-2	TR10	•
AWTR8-3	TR15	•
AWTR8-4	TR20	•
AWTR8-5	TR25	•
AWTR8-6	TR27	•
AWTR8-7	TR30	•
AWTR8-8	TR40	•



AWMXL10



Set Contains:
AWMXL10

Hex/Extra-Long, mm

Stock No.	mm	A	B	
AWMXL10-1.5	1.5	91.5	15	•
AWMXL10-2	2	102	17.5	•
AWMXL10-2.5	2.5	114.5	20	•
AWMXL10-3	3	129	22	•
AWMXL10-4	4	146	26	•
AWMXL10-5	5	165	32	•
AWMXL10-6	6	182	32.5	•
AWMXL10-7	7	190	37	•
AWMXL10-8	8	203	43	•
AWMXL10-10	10	223	49	•



AWT100KA



Set Contains:
AWT100KA

TORX®

Stock No.	#	A	B	
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	•

L-SHAPED



TORX®/Extra-Long

Set Contains: AWTXLB

Stock No.	#	A	B	
AWTXLB-T9	T9	4	0.74	*
AWTXLB-T10	T10	4.25	0.81	*
AWTXLB-T15	T15	4.5	0.88	*
AWTXLB-T20	T20	4.95	0.94	*
AWTXLB-T25	T25	5.61	1.03	*
AWTXLB-T27	T27	6.02	1.18	*
AWTXLB-T30	T30	6.496	1.25	*
AWTXLB-T40	T40	7	1.45	*



Double Ball TORX® Key

Set Contains: DBT7

Stock No.	#	
DBT10	T10	*
DBT15	T15	*
DBT20	T20	*
DBT25	T25	*
DBT27	T27	*
DBT30	T30	*
DBT40	T40	*



Hex, Extra-Long, SAE

Set Contains: AWXL13

Stock No.	#	A	B	
AWXL13-050	0.05	3.1	0.58	*
AWXL13-1/16	1/16	3.4	0.63	*
AWXL13-5/64	5/64	3.7	0.69	*
AWXL13-3/32	3/32	4	0.74	*
AWXL13-7/64	7/64	4.25	0.81	*
AWXL13-1/8	1/8	4.6	0.88	*
AWXL13-9/64	9/64	4.95	0.94	*
AWXL13-5/32	5/32	5.3	1	*
AWXL13-3/16	3/16	5.4	1.1	*
AWXL13-7/32	7/32	5.85	1.3	*
AWXL13-1/4	1/4	6.7	1.4	*
AWXL13-5/16	5/16	7.4	1.6	*
AWXL13-3/8	3/8	8.2	1.8	*

ADJUSTABLE

Flank Drive® Plus Adjustable/Cushion Handle

- Flank Drive® Plus provides up to 62% more turning power, allowing for more torque to the handle and reducing fastener wear
- Durable finish provides corrosion resistance
- High-strength alloy steel provides greater wrench strength and longer tool life

Stock No.	A inches (mm)	B inches (mm)	
FADH6C	6 (152)	3/4 (19)	*
FADH8B	8 (203)	15/16 (24)	* *
FADH10B	10 (254)	1-1/8 (29)	*
FADH12C	12 (304)	1-5/16 (33)	* *

Sets include storage tray

ASME® Standard



Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



- Always pull wrench in direction of load (see diagram).
- Read Safety Precautions on pages W1-W4.

ADJUSTABLE



AD10C



ADST8A



ADHW6A

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Adjustable

- 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 clean up

Stock No.	A inches (mm)	B inches (mm)
AD6C	6 (155)	25/32 (20)
AD8C	8 (205)	1-1/16 (27)
AD10C	10 (255)	1-3/16 (30)
AD12C	12 (305)	1-11/32 (34)
ADST8A	8 (205)	1-3/16 (30)

ASME® B107.100

Wide-Mouth Adjustable/Cushion Handle

- Opens larger than standard adjustable wrench
- Longer jaws and slimline design for greater reach
- ADHW6A opens as wide as an 8" adjustable wrench; ADHW8A opens as wide as a 10" adjustable wrench

Stock No.	A inches (mm)	B inches (mm)
ADHW6A	6 (152)	1-1/4 (32)
ADHW8A	8 (203)	1-1/2 (38)
ADHW10A	10 (254)	1-3/4 (44.5)
ADHW12A	12 (305)	2 (50.8)

ASME® B107.100



PW10C



PWA10A

Pipe Wrenches

Stock No. Coated Handle	Stock No. Aluminum Handle	A	B
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



PW21A



Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Pliers Wrenches

- Inwardly angled teeth (fine teeth at back of jaw, coarse teeth at front of jaw) for a stronger grip
- Quick adjustment of grip width
- Built-in guard against unthreading
- Soft, warm to the touch, high-friction handle surfaces with a strong, stable core

Stock No.	A	B	C	D	Weight, lb
PW20A	8-3/16	1-1/2	5/16	9/16	1
PW21A	12-5/8	1-3/4	1/2	3/4	1-5/8
PW22A	17	2-1/2	5/8	13/16	2-1/2
PW23A	21-1/2	3-1/2	3/4	1	6-3/8
PW24*	28-5/8	4-5/8	1-1/2	1-5/16	12
PW25*	41-3/4	6-5/16	1-1/2	1-3/8	17

*Only available in Red

ADJUSTABLE (Blue-Point®)

Standard, Industrial (Blue-Point®)

- 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 in the handle end for a tether or hanging

Stock No.	A inches (mm)	B inches (mm)	Set Contains:
GAJ4A	4 (103)	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 (80)	
GAJS30A	30 (778)	3-11/32 (86)	

Sets include storage tray ASME® B107.10
 *Side-Adjustable nut style provides smoother operation, allows greater jaw opening and offers minimum jaw play.



Soft Grip, Industrial (Blue-Point®)

Stock No.	A inches (mm)	B inches (mm)	Set Contains:
GAJS5G	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 the 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

Stock No.	Overall Length, inches (mm)	Maximum Opening
ANADJ8A	8 (203)	AN #10 (1")



SPECIAL APPLICATION



N6893B

Valve Persuader

N6893B 1-1/4" 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"



FRW10

Extension Wrench

FRW10 Offset Extension Wrench

- 10" of reach to fastener
- 0° swing arc
- Allows impact and pneumatic wrenches to reach fasteners buried in assemblies
- Allows ratchet to swing free and clear where obstructions limit swing arc closer to the fastener



- Do not use "cheater bars" on handles.
- Pull, do not push on handles.
- Always pull wrench in direction of fixed jaw.
- Plastic handle does not protect against electric shock.
- Read Safety Precautions on pages W1-W4.

SPECIAL APPLICATION



Adjustable Face Pin Spanners

Used for servicing seal and packing nuts on hydraulic cylinders

Stock No.	A	B	C	D
AFS482C	6-3/8	2	3/16	5/32
AFS483C	8-1/4	3	1/4	3/16
AFS484C	10-3/8	4	5/16	1/4



Adjustable Hook Spanners

- Service collars, rings and bearings
- Single jaw and roll pin construction with industrial finish
- Assure that jaw hook is properly positioned when in use

Set Contains:

Stock No.	A	B	C	D	
AHS300C	3/4-2	1/8	6-3/8	11/32	•
AHS301C	1-1/4-3	5/32	8-1/8	13/32	•
AHS304C	2-4-3/4	3/16	11-3/8	15/32	•
AHS307C	4-1/2-6-1/2	1/4	12-1/8	15/32	•



Adjustable Pin Spanners

- Remove rings, collars and lock nuts
- Assure that jaw hook is properly aligned when in use

Set Contains:

Stock No.	A	B	C	D	E	
APS351C	3/4-2	1/8	6-3/8	1/8	11/32	•
APS357C	1-1/4-3	3/16	8-1/8	3/16	11/32	•
APS363C	2-4-3/4	1/4	11-3/8	1/4	15/32	•
APS366C	4-1/2-6-1/4	1/4	12-5/8	3/8	15/32	•

SPECIAL APPLICATION (Blue-Point®)



Chain Wrenches (Blue-Point®)

Stock No.	A	B	C
CW12A	14	4	12
CW15A	18	5	15
CW24A	23	6	24

VGP181101 Replacement Chain

VGP18110 Locking Chain Wrench (Blue-Point®)

- 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, for VGP18110 (Blue-Point®)

- Replacement chain for VGP18110



Strap Wrenches (Blue-Point®)

BLPSTWR4A 4" Strap Wrench (Blue-Point®)

- 4" max diameter
- Adjusts to fit any circumference or irregular shape
- Will not scratch or damage surfaces
- Cushioned grip for maximum comfort
- Wrench strap is 1/2" (13 mm) wide

BLPSTWR6A 6" Strap Wrench (Blue-Point®)

- 6" max diameter
- 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
- Wrench strap is 3/4" (19 mm) wide

TECHANGLE® TORQUE WRENCHES

TORQUE



ATECH1FS240



ATECH1FQS240



ATECH2FM100



ATECH2CS240

TechAngle® Models (2% Accuracy)

- **DUAL PROGRESSIVE LEDs** allow user to see active torque at various work positions; enables the user to anticipate torque target for more accurate torque application
- **LARGE LCD SCREEN** with bright backlight; numbers become larger and bolder during active torque for optimal viewing
- **FOUR ALERT MODES** (LCD, LED, Audible, Vibratory) provide excellent feedback in all working conditions
- **SIX MEASUREMENT MODES** (ft-lb, in-lb, Nm, dNm, kg-cm, and angle) at the touch of a button
- **10 PRESETS** allow programming of common torque applications which saves time
- **ADVANCED FEATURES** include cycle counter, customizable sleep timer, language selection, auto torque calculation for torque adaptors, calibration alerts, battery level indication, and numerous alert mode customizations, allowing the user to customize the torque wrench to your work preferences
- **TORQUE-THEN-ANGLE MODE** allows the user to torque fasteners and then switch to angle mode without removing the torque wrench from a fastener
- **MULTI-AXIS GYRO COMPENSATION** patent pending mechanism compensates for tilt angle while tightening in a flexed position providing greater accuracy
- **MULTI-LINGUAL DISPLAY** programmable to display commands and signals in English, Spanish, French or German
- **LOW-PROFILE BUTTONS** protect against accidental activation
- **HIGHLY ACCURATE** torque measurement; 2% CW and 3% CCW
- **POWER INTERRUPTION TECHNOLOGY** prevents loss of continuity if dropped; prevents loss of work during head bolt pattern applications
- **COMFORTABLE HANDLE WITH FLARED END** provides a secure, non-slip grip during high-leverage applications
- **PROTECTED BATTERY CAP** design with solid brass contacts prevents accidental loosening and ensures continuity
- **TWO YEAR WARRANTY** standard on ATECH and CTECH models
- **STORAGE CASE** included
- **LOW END ACCURACY (ATECH125 MODELS)** ±2% CW/±3 CCW, 20–100% F.S.; ±4% CW/±6% CCW, 5–19% F.S.

TechAngle® Models (2% Accuracy)

Specifications	ATECH1FS240	ATECH1FQS240	ATECH2FM100	ATECH2CS240
Square Drive, inches	1/4	1/4	3/8	3/8
Head Type	Sealed Flex Head	Sealed Flex Head	Sealed Flex Head	Sealed Flex Head
Gear Teeth	72	72	80	72
Gear Action	5°	5°	5°	5°
Range, in-lb	12–240	12–240	60–1,200	12–240
Range, ft-lb	1–20	1–20	5–100	1–20
Range, N•m	1.36–27.12	1.36–27.12	7–135	1.5–30
Head Depth, inches	7/16	7/16	1-1/16	29/32
Head Width, inches	7/8	7/8	1-3/16	7/8
Weight (without batteries), lb (kg)	.93 (.42)	.93 (.42)	1.6 (.73)	.93 (.42)
Battery, Type (qty)	Lithium Metal (1)	Lithium Metal (1)	Lithium Metal (1)	Lithium Metal (1)
Length, inches	11.6	11.6	15.4	11.5
Storage Case	PBATECH240M	PBATECH240M	PBQD2	PBQD1

(US #9195148, #9395257, #93242356, #D712519)

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

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. Angle accuracy ±1% of reading, ±1 degree at angular velocity > 10 deg/sec < 180 deg/sec, +/- 1 deg of test fixture; angle range 0–360°. Operating/storage temperature 0–130 °F. Humidity: up to 90% non-condensing. CE approved.



- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- Read Safety Precautions on pages W1–W4.

TECHANGLE® TORQUE WRENCHES



Protected Battery Cap
Designed with solid brass contacts prevents accidental loosening and ensures continuity.

Specifications	ATECH2FQ125B	ATECH3FS250	ATECH3FR250B	ATECH4RS600*
Square Drive, inches	3/8	1/2	1/2	3/4
Head Type	Sealed Flex Head	Sealed Flex Head	Sealed Flex Head	Sealed Fixed Head
Gear Teeth	80	80	80	32
Gear Action	4.5°	4.5°	4.5°	11°
Range, in-lb	80-1,500	150-3,000	150-3,000	360-7,200
Range, ft-lb	5-125	12.5-250	12.5-250	30-600
Range, N•m	6.75-169.45	16.9-339	16.9-339	40.7-813.5
Head Depth, inches	3/16	3/4	3/4	1-1/4
Head Width, inches	1-1/4	1-5/8	1-5/8	2-1/2
Weight (without batteries), lb (kg)	2.2 (0.9)	4.35 (1.97)	3.75 (1.66)	10.95 (4.96)
Battery, Type (qty)	AA Alkaline (3)	AA Alkaline (3)	AA Alkaline (3)	AA Alkaline (3)
Length, inches	17.25/32	26.7	26.6	48.7
Storage Case	PBATECH100B	PBATECH250B	PBATECH250B	PBATECHA

(US #9156146, #9395257, #8242396, #D7102515)

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

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. Angle accuracy ±1% of reading, ±1 degree at angular velocity > 10 deg/sec < 180 deg/sec, +/- 1 deg of test fixture; angle range 0-360°. Operating/storage temperature 0-130 °F. Humidity: up to 90% non-condensing. CE approved.

CONTROLTECH® INDUSTRIAL TORQUE WRENCHES

TORQUE



Standard Models/2% Accuracy/Ratcheting Head

FEATURES:

- Torque and angle combo modes provide the most accurate and fastest way to achieve torque plus angle in a single motion (patent pending)
- Snap-on® ControlTech® Industrial Electronic Torque Wrenches are fully programmable for reliable and consistent torque application
- Torque Plus Angle combo modes allow the user to simultaneously complete precise "torque plus turn" specifications in a single motion
- In addition to the LED indicator lights, an audible beep and handle vibration alert the user when target torque is achieved

- The rugged all-steel construction is designed to stand-up to even the toughest work conditions
- Dual side LED indicator lights with configurable settings
- Large LCD screen with backlight
- Four indicator modes: LCD, LED, audible, vibratory
- Presets with lockout ability
- Sequence programming and job mode
- USB downloadable data
- Industry-leading two year warranty
- Includes storage case
- Complies with ISO®-6789-2003 and ASME® B107.300 (B107.28) Standards for Electronic Torque Instruments

- CTECH wrenches are manufactured with an all-steel body for strength
- CTECHL wrenches are manufactured for rugged black anodized 6061-T for durability and reduced weight
- Torque Accuracy: $\pm 2\%$ CW, $\pm 3\%$ CCW
- Angle Accuracy: $\pm 1\%$ of reading, $\pm 1^\circ$ @ Angular Velocity $> 10^\circ/\text{Sec}$, $< 180^\circ/\text{Sec}$, +/- of fixture
- Angle Range: $0-360^\circ$
- Storage Capacity: 1,500 readings
- Number of Presets: 50
- Operating Temperature: $0-130^\circ\text{F}$ ($-18-54^\circ\text{C}$)
- Storage Temperature: $0-130^\circ\text{F}$ ($-18-54^\circ\text{C}$)

Standard Models/2% Accuracy/Interchangeable Head

- Built-in calibration factor for different head lengths (patent pending)

Stock No.	Head Type	Square Drive, inches	Gear Teeth	Gear Action	Torque Range, in-lb	Torque Range, ft-lb	Torque Range, N·m	Shank Diameter, inches	Weight, lb (kg)	Length, inches (mm)
CTECH1MR100	Sealed Fixed Ratchet	1/4	72	5°	5-100	0.42-8.33	0.57-11.30	—	0.9 (0.41)	10.9 (277)
CTECHL1R240A	Sealed Fixed Ratchet	1/4	72	5°	12-240	1.0-20.0	1.4-27.2	—	1.2 (0.54)	14.1 (358)
CTECH4R600A ¹	Sealed Fixed Ratchet	3/4	32	11°	360-7,200	30-600	40.7-813.5	—	10.5 (4.8)	48.6 (1,234)
CTECH1FR240A*	Sealed Flex Ratchet	1/4	72	5°	12-240	1.0-20.0	1.4-27.2	—	2.0 (0.91)	14.1 (358)
CTECH2FR100A	Sealed Flex Ratchet	3/8	80	4.5°	60-1,200	5.0-100.0	6.8-135.6	—	2.7 (1.2)	17.2 (437)
CTECH3FR250A***	Sealed Flex Ratchet	1/2	80	4.5°	150-3,000	12.5-250	16.5-339	—	4.5 (2.0)	26.7 (678)
CTECH1R240A*	Fixed Ratchet	1/4	72	5°	12-240	1.0-20.0	1.4-27.2	—	2.0 (0.91)	14.1 (358)
CTECH1MR240	Fixed Ratchet	1/4	72	5°	12-240	1-20	1.36-27.12	—	0.93 (0.42)	11.6 (295)
CTECH2MR100	Fixed Ratchet	3/8	72	5°	5-100	0.42-8.33	0.57-11.30	—	0.9 (0.41)	10.9 (277)
CTECH2MR1200	Fixed Ratchet	3/8	80	4.5°	60-1,200	5-100	6.8-135.6	—	1.6 (0.73)	15.4 (391)
CTECH2MR240	Fixed Ratchet	3/8	80	4.5°	12-240	1-20	1.36-27.12	—	0.93 (0.42)	11.6 (295)
CTECH3R250A	Fixed Ratchet	1/2	80	4.5°	150-3,000	12.5-250	16.5-339	—	—	—
CTECHL1240A	Fixed Head	1/4	—	—	12-240	1.0-20.0	1.4-27.2	—	1.1 (0.49)	12.4 (315)
CTECHYM1200	Interchangeable	—	—	—	60-1,200	5-100	6.8-135.6	Y (0.960")	1.4 (0.63)	13.75 (349)
CTECHL1J240A	Interchangeable	—	—	—	12-240	1.0-20.0	1.4-27.2	J (0.425")	1.0 (0.45)	12.5 (318)
CTECH1JM240	Interchangeable	—	—	—	12-240	1-20	1.36-27.12	J (0.425")	0.80 (0.36) w/battery, excluding case	10.15 (258)
CTECH1J240A	Interchangeable	—	—	—	12-240	1.0-20.0	1.4-27.2	J (0.425")	1.8 (0.8)	12.5 (318)
CTECH2Y100A	Interchangeable	—	—	—	60-1,200	5-100	6.8-135.6	—	2.7 (1.2)	17.2 (437)
CTECH3X250A	Interchangeable	—	—	—	150-3,000	12.5-250	16.5-339	X (0.735")	—	24.1 (612)
CTECH4Z600A	Interchangeable	—	—	—	30-600	360-7,200	40.7-813.5	Z (0.990")	7.9 (3.5)	44.8 (1,138)
CTECHAN135A	I20/ISO (interchangeable)	—	—	—	60-1,195	5.0-99.6	6.8-135.0	9 x 12 mm	2.65 (1.2) w/o head, w/batteries	17.8 (452) w/o head
CTECHAN30A	I20/ISO (interchangeable)	—	—	—	1.11-22.13	13.3-385.5	1.50-30.00	9 x 12 mm	2.0 (0.9) w/o head, w/batteries	13.3 (338) w/o head
CTECHBN340A	I20/ISO (interchangeable)	—	—	—	150-3,000	12.5-250.8	17.9-340.0	14 x 18 mm	3.75 (1.7) w/o head, w/batteries	23.9 (607) w/o head

¹Uses Ratchet Service Kit RKRT72A. Includes three AAA Lithium batteries.
²Uses Ratchet Service Kit RKRCQ4. Includes three AA Lithium batteries.

³Uses Ratchet Service Kit RKRS60A. Includes three AA Lithium batteries.
 Torque parameters comply with ISO® 6789-2003 and ASME® B107.300-2010 (B107.28)



- Always pull wrench in direction of fixed jaw.
- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- Read Safety Precautions on pages W1-W4.

TECHWRENCH® TORQUE WRENCHES



TECH2R100



TECH4R600

Standard Models/2% Accuracy/Fixed Head

- Manual preset, automatic track and peak hold modes
- Torque units conversion: N•m, ft•lb, in•lb
- Audible (tone) and tactile (vibrating handle) preset alerts
- Stand on handle bottom keeps tool from rolling off flat surface
- Dual 80° Technology on all 72- and 80-tooth ratchet heads
- Low battery indicator and auto shutoff (after two minutes idle)
- ISO® 6789-2003 and ASME® B107.300-2010 standards compliant
- Certificate of NIST® traceability for 20–100% of full scale

Specifications	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	1–20	5–100	25–250	60–600
Range, N•m	2.71–27.12	6.8–135	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
Length, inches	15-1/4	17-1/4	26-1/4	48
Operating Temperature	40–110 °F (5–42 °C)	40–110 °F (5–42 °C)	40–110 °F (5–42 °C)	40–110 °F (5–42 °C)
Storage Temperature	0–122 °F (-20–50 °C)	0–122 °F (-20–50 °C)	0–122 °F (-20–50 °C)	0–122 °F (-20–50 °C)
Battery, Type (qty)	AA Alkaline (3)	AA Alkaline (3)	AA Alkaline (3)	AA Alkaline (3)

C€

Standard Models/2% Accuracy/Flex Head

- 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
- Torque accuracy interchangeable head models: 4% CW, 6% CCW from 20–100% F.S. (TECH Y only)
- Sealed flex head ratchets move ±15°



TECH3FR250

Specifications	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	1–20	5–100	25–250
Range, N•m	2.7–27.1	6.8–135	34–339
Head Depth, inches	7/16	5/8	3/4
Head Width, inches	7/8	1-5/32	1-5/8
Length, inches	15-1/4	17-1/4	26-1/4
Operating Temperature	40–110 °F (5–42 °C)	40–110 °F (5–42 °C)	40–110 °F (5–42 °C)
Storage Temperature	0–122 °F (-20–50 °C)	0–122 °F (-20–50 °C)	0–122 °F (-20–50 °C)
Storage Case	PBTECH2	PBTECH2	PBTECH3



TECH2Y100



TECH4Z600

Standard Models/4% Accuracy/Interchangeable Head

Specifications	TECH1J240	TECH2Y100	TECH3X250	TECH4Z600
Head Type	Interchangeable	Interchangeable	Interchangeable	Interchangeable
Range, in•lb	24–240	60–1,200	300–3,000	720–7,200
Range, ft•lb	1–20	5–100	25–250	60–600
Range, N•m	2.71–27.12	6.8–135	34–339	81–813
Shank (dia.)	J (0.425")	Y (0.560")	X (0.735")	Z (0.990")
Length, inches	13-3/4	15-1/2	23-3/4	42
Operating Temperature	40–110 °F (5–42 °C)	40–110 °F (5–42 °C)	40–110 °F (5–42 °C)	40–110 °F (5–42 °C)
Storage Temperature	0–122 °F (-20–50 °C)	0–122 °F (-20–50 °C)	0–122 °F (-20–50 °C)	0–122 °F (-20–50 °C)
Storage Case	PBTECH2	PBTECH2	PBTECH3	PBATECH4

Wrench length specification does not include the length of interchangeable heads. The certification of accuracy provided per ASME® and ISO® standards is 20–100% of full scale.

ADJUSTABLE CLICK-TYPE

The QD Series of Click-Type Torque Instruments feature an innovative design that provides consistently accurate readings and rugged, trouble-free performance.

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 ANSI® B107.300-2010 (B107.14) and was calibrated on a torque standard traceable to the National Institute of Standards Technology (NIST®).
- **ACCURACY:** All QD/QE Series Torque Wrenches are accurate to $\pm 4\%$ clockwise and $\pm 6\%$ counterclockwise from 20–100% of full scale
- **LONG LIFE RATCHET HEAD:** QD/QE Series Torque wrenches feature the Snap-on® High-Strength Sealed Ratchet Head. Sealed ratchet heads keep out dirt and moisture while being virtually maintenance free. US Patent #4,934,220 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:** Retains and releases lubricant where needed to reduce friction
- **POSITIVE STOP:** Instrument can not be accidentally disassembled if wound down past scale
- **KNURLED HANDLE** for a secure non-slip grip
- **ONE YEAR WARRANTY**
- **STORAGE CASE** included with each instrument.
- All QD models with "A" suffix have roll-marked scales for better permanence and visibility



US Torque Instruments (in-lb) $\pm 4\%$ Accuracy

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Range, minimum	Range, maximum	Increments	Length, inches	Head Width, inches	Head Depth, inches	Storage Case
3/8	QDT2R1000NP	Fixed Ratchet	32	11°	200 in-lb	1,000 in-lb	5 in-lb	14	1.25	1.07	WPB50A
3/8	QDT2R200NP	Fixed Ratchet	32	11°	40 in-lb	200 in-lb	1 in-lb	8.97	.88	.88	WPB7
1/4	QD1R200A	Fixed Ratchet	36	10°	40 in-lb	200 in-lb	1 in-lb	11-1/16	7/8	7/16	PBQD1
1/4	QD1200A	Fixed	—	—	40 in-lb	200 in-lb	1 in-lb	10-15/16	5/8	13/16	PBQD1
1/4	QD1R50A	Fixed Ratchet	36	10°	10 in-lb	50 in-lb	5 in-lb	9-7/8	7/8	7/16	PBQD1
1/4	QD150A	Fixed	—	—	10 in-lb	50 in-lb	5 in-lb	9-3/4	5/8	13/16	PBQD1
3/8	QD21000A	Fixed	—	—	200 in-lb	1,000 in-lb	5 in-lb	14-8/16	1	1-3/16	PBQD2
3/8	QD2R200A	Compact Ratchet	36	10°	40 in-lb	200 in-lb	1 in-lb	11-1/16	7/8	7/16	PBQD1
1/2	QD3R1600A	Fixed Ratchet	80	4.5°	300 in-lb	1,600 in-lb	10 in-lb	19	1-5/8	3/4	PBQD3
1/2	QD3R2500A	Fixed Ratchet	80	4.5°	500 in-lb	2,500 in-lb	10 in-lb	19-1/8	1-5/8	3/4	PBQD3
1/2	QD32500A	Fixed	—	—	500 in-lb	2,500 in-lb	10 in-lb	18-1/8	1	1-1/4	PBQD3
1/4	QE1R200	Fixed Ratchet	80	10°	40 in-lb	200 in-lb	1 in-lb	11-1/16	7/8	7/16	PBQD1
3/8	QE2R100	Fixed Ratchet	80	4.5°	20 ft-lb	100 ft-lb	5 ft-lb	15-2/16	1-5/32	9/16	PBQD2
3/8	QE2FR75	Flex Ratchet	80	10°	5 ft-lb	75 ft-lb	5 ft-lb	15-3/4	1-5/32	9/16	PBQD2
1/2	QE3R250	Fixed Ratchet	80	10°	50 ft-lb	250 ft-lb	1 ft-lb	24-3/16	1-5/8	3/4	PBQD3



- Do not exceed rated torque
- Do not use to break fasteners loose
- Periodic recalibration is needed to maintain accuracy
- Read Safety Precautions on pages W1-W4

ADJUSTABLE CLICK-TYPE



QD3R250A



GQT3R250NP



QD3FR250A

US Torque Instruments: Dual-Scale (ft-lb/N•m)

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Head Depth, inches	Head Width, inches	Range, minimum	Range, maximum	Increments	Length, inches	Storage Case
1/2	GQT3R250NP	Fixed Ratchet	32	11°	1.42	1.74	50 ft-lb	250 ft-lb	1	23.75	WPB5
3/8	QD2R100A	Fixed Ratchet	80	4.5°	9/16	1-5/32	20 ft-lb	100 ft-lb	5 ft-lb	15-9/16	PBQD2
3/8	QD2100A	Fixed	—	—	1-3/16	1	20 ft-lb	100 ft-lb	5 ft-lb	14-9/16	PBQD2
3/8	QD2R75A	Fixed	80	4.5°	9/16	1-5/32	10 ft-lb	75 ft-lb	5 ft-lb	15-3/4	PBQD2
3/8	QD2FR75B	Flex Head	80	4.5°	9/16	1-5/32	5 ft-lb	75 ft-lb	5 ft-lb	15-3/4	PBQD2
3/8	QD275A	Fixed	—	—	1-3/16	1	15 ft-lb	75 ft-lb	5 ft-lb	14-9/16	PBQD2
1/2	QD3150A	Fixed	—	—	1-1/4	1	30 ft-lb	150 ft-lb	1 ft-lb	18	PBQD3
1/2	QD3R250A	Fixed Ratchet	80	4.5°	3/4	1-5/8	60 ft-lb	250 ft-lb	1 ft-lb	24-3/16	PBQD3
1/2	QD3FR250A*	Flex Head	80	4.5°	3/4	1-5/8	60 ft-lb	250 ft-lb	1 ft-lb	25-3/4	PBATECH300B
1/2	QD3250A	Fixed	—	—	1-1/4	1	60 ft-lb	250 ft-lb	1 ft-lb	23-3/32	PBQD3
3/4	QD4R400A	Fixed Ratchet	32	11°	1-1/4	2-1/2	75 ft-lb	400 ft-lb	2.5 ft-lb	35-3/4	PBQC4
3/4	QD4400A	Fixed	—	—	1-1/2	1-1/2	75 ft-lb	400 ft-lb	2.5 ft-lb	33-3/4	PBQC4
3/4	QD4R600A	Fixed Ratchet	32	11°	1-1/4	2-1/2	100 ft-lb	600 ft-lb	5 ft-lb	42-3/4	PBQC4
3/4	QD4600A	Fixed	—	—	1-1/2	1-1/2	120 ft-lb	600 ft-lb	5 ft-lb	40-3/4	PBQC4
1	QD5R1000A	Fixed Ratchet	30	12°	1-1/2	3-1/8	280 ft-lb	1,000 ft-lb	5 ft-lb	71	PBQC5

*Clockwise-only calibration



QD3RM30A

Metric Torque Instruments (kg m, kg cm)

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Range, minimum	Range, maximum	Increments	Length, inches	Head Width, inches	Head Depth, inches	Storage Case
3/8	QD2RM1000A	Flex Head	80	4.5°	200 kg•cm	1,000 kg•cm	5 kg•cm	15-9/16	1-5/32	9/16	PBQD2
1/2	QD3RM30A	Fixed Ratchet	80	4.5°	6 kg•m	30 kg•m	2 kg•m	19	1-5/8	3/4	PBQD3

*A suffix models feature roll-marked tubes and 80 tooth gears



QD1RN25B



QD3RN200A



QD4RN800A

Newton Meter Torque Wrenches/±4% Accuracy

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Head Depth, inches	Head Width, inches	Range, minimum	Range, maximum	Increments	Length, inches	Storage Case
1/4	QD1RN25B	Fixed Ratchet	36	10°	7/16	7/8	5 N•m	25 N•m	1 N•m	11-3/4	PBQD1
1/4	QD1RN6B	Fixed Ratchet	36	10°	7/16	7/8	1 N•m	6 N•m	.05 N•m	9-7/8	PBQD1
3/8	QD2RN100A	Fixed Ratchet	80	4.5°	9/16	1-5/32	20 N•m	100 N•m	5 N•m	15-9/16	PBQD2
3/8	QD2RN25B	Compact Ratchet	36	10°	7/16	7/8	5 N•m	25 N•m	1 N•m	11-3/4	PBQD2
3/8	QD2RN50A	Fixed Ratchet	80	4.5°	9/16	1-5/32	10 N•m	50 N•m	5 N•m	15-9/16	PBQD2
1/2	QD3RN200A	Fixed Ratchet	80	4.5°	3/4	1-5/8	40 N•m	200 N•m	2 N•m	19	PBQD3
1/2	QD3RN350A	Fixed Ratchet	80	4.5°	3/4	1-5/8	70 N•m	350 N•m	2 N•m	24-3/16	PBQD3
3/4	QD4RN800A	Fixed Ratchet	32	11°	1-1/4	2-1/2	150 N•m	800 N•m	5 N•m	42-3/4	PBQC4
1	QD5RN1500A	Fixed Ratchet	30	12°	1-1/2	3-1/8	300 N•m	1,500 N•m	10 N•m	68.4	S10-117-6

*A suffix models feature roll-marked tubes

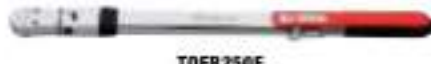
ADJUSTABLE CLICK-TYPE



TQFR100C



TOR250E



TQFR250E



TOR600E

TORQUE

US Reading Torque Wrenches with Conversion Scale/±4% Accuracy

Adjustable Click Type Torque Wrench

- 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 is 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; 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
- 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® standards for accuracy, from 20–100% of full scale, using NIST® traceable equipment
- Wrenches are non-reversible
- CE: EU—GB, FR, ES, DE

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	*Head Depth, inches	Head Width, inches	Range, minimum	Range, maximum	Increments	Length, inches	Storage Case
3/8	TQFR100C	Flex Head	36	10°	9/16	1-5/8	20 ft-lb	100 ft-lb	2 ft-lb	18-5/8	PBTQ1
1/2	TOR250E	Fixed Ratchet	36	10°	3/4	1-5/8	40 ft-lb	250 ft-lb	5 ft-lb	22-3/8	PBTQ3
1/2	TQFR250E	Flex Head	36	10°	9/16	1-5/8	40 ft-lb	250 ft-lb	5 ft-lb	22-3/8	PBTQ3
3/4	TOR400E†	Detach Ratchet	32	11°	1-1/4	2-1/2	130 ft-lb	400 ft-lb	10 ft-lb	38-1/8	PBTQ4
3/4	TOR600E†	Detach Ratchet	32	11°	1-1/4	2-1/2	200 ft-lb	600 ft-lb	10 ft-lb	48-5/8	PBTQ4

†Available in red only

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS



- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- Read Safety Precautions on pages W1-W4.

TORQOMETER® TORQUE WRENCHES



TE50FUAC



TE175LC

US Reading/Standard 2% Accuracy

- Dial torque wrenches allow the user to easily apply and monitor torque
- Long-lasting performance given minimal component contact
- Steel welded bodies with bright nickel-chrome finish
- Heat-treated dial guards protect the dial crystal from damage
- Patented torsion bar machined from aircraft quality alloy steel for long life and precise performance across the entire scale
- Operating temperature range of 0–100 °F

- Wide selection of models—from 1/4–1-1/2" drives to ranges, scales, and dial configurations—there is a dial wrench to cover nearly every need
- Certificate of calibration models, add "C" suffix to stock number

48" Tubular Extension Handle

- Tubular extension handle is packed with the following torque wrenches: TE803, TE803FU, TE803L, TE1003, TE1003FU, TE1003L, TES1360, TES1360FU, TES1360L, TER1003, TER1003FU, TER1003L, TEC803, TEC803FU, TEC803L, TEC1003FU and TEC1003L

Square Drive, inches	Basic Models Stock No.	Follow up Models Stock No.	Signal Models Stock No.	Range	Increments	Length, inches	Width, inches (mm)	Head Depth, inches	Storage Case
1/4	GTE6A	—	—	75 in-lb	1 in-lb	9-29/32	2-11/16 (58)	—	PB9
1/4	TE1AC	TE1FUAC	—	15 in-lb	1/4 in-lb	9-29/32	2-11/16 (58)	1-1/4	PB9
1/4	TE3AC	TE3FUAC	—	30 in-lb	1/2 in-lb	9-29/32	2-11/16 (58)	1-1/4	PB9
1/4	TE6AC	TE6FUAC	—	75 in-lb	1 in-lb	9-29/32	2-11/16 (58)	1-1/4	PB9
3/8	TE12AC	TE12FUAC	TE12LAC	151 in-lb	2-1/2 in-lb	9-29/32	2-11/16 (58)	1-1/4	PB9
3/8	—	TE12FFUAC	—	12 ft-lb	1/2 ft-lb	9-29/32	2-11/16 (58)	1-1/4	PB9
3/8	TE25FAC	TE25FUAC	TE25LAC	25 ft-lb	1/2 ft-lb	9-29/32	2-11/16 (58)	1-1/4	PB9
3/8	TE25AC	TE25FFUAC	—	300 in-lb	5 in-lb	9-29/32	2-11/16 (58)	1-1/4	PB9
3/8	TE50FAC	TE50FUAC	TE50LAC	50 ft-lb	1 ft-lb	12-1/2	2-11/16 (58)	1-1/4	PB9
3/8	TE50AC	TE50FFUAC	TE50FLAC	600 in-lb	10 in-lb	12-1/2	2-11/16 (58)	1-1/4	PB9
1/2	TE51C	—	TE51LC	50 ft-lb	1 ft-lb	15	2-11/16 (58)	1-5/16	—
1/2	TE100C	TE100FUC	—	100 ft-lb	1 ft-lb	16	2-3/4 (70)	1-3/8	PBR5
1/2	TE175C	TE175FUC	TE175LC	175 ft-lb	2-1/2 ft-lb	18-3/4	2-3/4 (70)	1-3/8	PBR5
1/2	TE250C	TE250FUC	TE250LC	250 ft-lb	—	23-3/4	2-3/4 (70)	1-3/8	PBR8A
1/2	—	TE51FUC	—	600 in-lb	10 in-lb	15	2-11/16 (58)	1-5/16	—
1/2	—	TE51FFUC	—	50 ft-lb	1 ft-lb	15	2-11/16 (58)	1-5/16	—
3/4	TE352AC	TE352FUAC	TE352LAC	350 ft-lb	5 ft-lb	29-7/8	3-1/4 (83)	—	—
3/4	TE602AC	TE602FUAC	TE602LAC	600 ft-lb	10 ft-lb	40-7/8	3-1/4 (83)	—	PB39
1	TE1503C	TE1503FUC	TE1503LC	—	25 ft-lb	80	4-13/32 (112)	—	—
1	TE1003C	TE1003FUC	TE1003LC	—	10 ft-lb	66-13/16	3-9/16 (91)	—	—
1	TE2003C	TE2003FUC	—	—	25 ft-lb	80	4-13/32 (112)	—	—
1	TE803C	—	TE803LC	800 ft-lb	10 ft-lb	66-13/16	3-9/16 (91)	—	—
1-1/2	—	TE2005FUC	—	—	25 ft-lb	80	3-9/16 (91)	—	—
1-1/2	TE3005C	—	—	—	50 ft-lb	—	5-1/2 (140)	—	—

*Does not include square drive dimension.

Wrenches in chart do not include certificate of calibration. Wrenches with a certificate of calibration are available.

Basic model = 1 needle Follow-up = 2 needles Signal = signal light GTE models feature a black oxide finish.

TORQOMETER® TORQUE WRENCHES

TORQUE



TE50FUA



TE175L

US Reading/Standard 2% Accuracy

- Dial torque wrenches allow the user to easily apply and monitor torque
- Long-lasting performance given minimal component contact
- Steel welded bodies with bright nickel-chrome finish
- Heat-treated dial guards protect the dial crystal from damage

- Patented torsion bar machined from aircraft quality alloy steel for long life and precise performance across the entire scale
- Operating temperature range of 0–100 °F
- Wide selection of models—from 1/4–1-1/2" drives to ranges, scales, and dial configurations—there is a dial wrench to cover nearly every need
- Certificate of calibration models, add "C" suffix to stock number

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 (68)	1-1/4	PB9
1/4	TE3A	TE3FUA	—	30 in-lb	1/2 in-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
1/4	TE6A	TE6FUA	—	75 in-lb	1 in-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
3/8	TE12A	TE12FUA	TE12LA	150 in-lb	2-1/2 in-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
3/8	TE25A	TE25FUA	TE25LA	300 in-lb	5 in-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
3/8	TE50A	TE50FUA	TE50LA	600 in-lb	10 in-lb	12-1/2	2-11/16 (68)	1-1/4	PB9
3/8	TE12FA	TE12FFUA	TE12FLA	12 ft-lb	1/2 ft-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
3/8	TE25FA	TE25FFUA	TE25FLA	25 ft-lb	1/2 ft-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
3/8	TE50FA	TE50FFUA	TE50FLA	50 ft-lb	1 ft-lb	12-1/2	2-11/16 (68)	1-1/4	PB9
1/2	TE51	TE51FU	TE51L	600 in-lb	10 in-lb	15	2-11/16 (68)	1-5/16	—
1/2	TE51F	TE51FFU	TE51FL	50 ft-lb	1 ft-lb	15	2-11/16 (68)	1-5/16	—
1/2	TE100	TE100FU	TE100L	100 ft-lb	1 ft-lb	16	2-3/4 (70)	1-3/8	PBR5
1/2	TE175	TE175FU	TE175L	175 ft-lb	2-1/2 ft-lb	18-3/4	2-3/4 (70)	1-3/8	PBR5
1/2	TE250	TE250FU	TE250L	250 ft-lb	5 ft-lb	23-3/4	2-3/4 (70)	1-3/8	PBR5A
3/4	TE352A	TE352FUA	TE352LA	350 ft-lb	5 ft-lb	29-7/8	3-1/4 (83)	1-25/32	—
3/4	TE602A	TE602FUA	TE602LA	600 ft-lb	10 ft-lb	40-7/8	3-1/4 (83)	1-25/32	PB39
1	TE803 [†]	TE803FU [†]	TE803L [†]	800 ft-lb	10 ft-lb	66-13/16	3-9/16 (91)	2-1/32	—
1	TE1003 [†]	TE1003FU [†]	TE1003L [†]	1,000 ft-lb	10 ft-lb	66-13/16	3-9/16 (91)	2-1/32	—
1	TE1503 [†]	TE1503FU [†]	TE1503L [†]	1,500 ft-lb	25 ft-lb	80	4-13/32 (112)	2-1/8	—
1	TE2003 [†]	TE2003FU [†]	TE2003L [†]	2,000 ft-lb	25 ft-lb	80	4-13/32 (112)	2-1/8	—
1-1/2	TE2005 [†]	TE2005FU [†]	TE2005L [†]	2,000 ft-lb	25 ft-lb	80	3-9/16 (91)	2-3/8	—
1-1/2	TE3005	TE3005FU [†]	TE3005L [†]	3,000 ft-lb	50 ft-lb	—	5-1/2 (140)	2-13/16	—

*Does not include square drive dimension.

†Includes separately packed S2TQPA 5" tubular extension handle

Wrenches in chart do not include certificate of calibration. Wrenches with a certificate of calibration are available.

Basic model = 1 needle Follow-up = 2 needles Signal = signal light GTE models feature a black oxide finish.

**Includes separately packed S2TQPA 4" tubular extension handle.

TE3005 includes S4TQPA 10" extension handle



BASIC MODEL

- Needle shows torque achieved



FOLLOW UP MODEL

- Two separate needles show targeted torque and torque achieved



SIGNAL MODEL

- Features a built-in light that flashes when targeted torque is achieved



WARNING



- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- Do not use "cheater bars" on handles.
- Pull, do not push on handle.
- Read Safety Precautions on pages W1–W4

TORQOMETER® TORQUE WRENCHES



YESI75C



YESI75L

Newton Meter Reading/Standard 2% Accuracy

Square Drive, inches	Stock No.	Follow-Up Models Stock No.	Light Signal Models Stock No.	Range, N*m	Increments, N*m	Length, inches	Width, inches (mm)	Head Depth*, inches
1/4	—	YESI5FU	YESI5L	5	2	9-29/32	2-11/16 (68)	1-1/4
1/4	YESI10	YESI10FU	YESI10L	10	5	9-29/32	2-11/16 (68)	1-1/4
1/2	YESI125	YESI125FU	YESI125L	125	5	18	2-11/16 (68)	1-3/8
3/8	YESI20	YESI20FU	YESI20L	20	5	9-29/32	2-11/16 (68)	1-1/4
3/8	YESI30	YESI30FU	YESI30L	30	1	9-29/32	2-11/16 (68)	1-1/4
3/8	YESI60C	YESI60FU	YESI60L	60	2	12-1/2	2-11/16 (68)	1-1/4
3/8	YESI70	YESI70FU	YESI70L	70	2	12-1/2	2-11/16 (68)	1-1/4
3/8	YESI75	YESI75FU	YESI75L	75	1	12-1/2	2-11/16 (68)	1-1/4
1/2	YESI200	YESI200FU	YESI200L	200	5	18-3/4	2-3/4 (70)	1-3/8
1/2	YESI250	YESI250FU	YESI250L	250	5	18-3/4	2-3/4 (70)	1-3/8
3/4	YESI500A	YESI500FUA	YESI500LA	500	10	29-7/8	3-1/4 (83)	1-25/32
3/4	YESI800A	YESI800FUA	YESI800LA	800	20	40-7/8	3-1/4 (83)	1-25/32
1	YESI1360**	YESI1360FU**	YESI1360L**	1,360	20	66-13/16	3-9/16 (91)	2-1/32
1	YESI2803	YESI2803FU†	YESI2803L†	2,800	50	80	4-13/32 (112)	2-1/8
1-1/2	YESI2805†	YESI2805FU†	—	2,800	50	80	4-25/32 (121)	2-3/8
1-1/2	—	YESI4000FU	YESI4000L	4,000	100	14 (358)	5-1/2 (140)	2-13/16

*Does not include square drive dimension.

†Includes separately packed 92TQPA 5" tubular extension handle.

Wrenches with a certificate of calibration are available by adding "C" to the end of the stock number.

Basic model = 1 needle Follow-Up = 2 needles Signal = signal light

**Includes separately packed 92TQPA 4" tubular extension handle.

Wrenches in chart do not include certificate of calibration.



TER175



TER175L

Combination US/Newton Meter Reading/Precise 1% Accuracy

Square Drive, inches	Stock No.	Follow-Up Models Stock No.	Light Signal Models Stock No.	Range, N*m	Increments, N*m	US Range	US Increments	Length, inches	Width, inches (mm)	Head Depth*, inches
1/4	TER1A	TER1FUA	TER1LA	1.7	0.5	15 in-lb	.5 in-lb	9-29/32	2-11/16 (68)	1-1/4
1/4	TER3A	TER3FUA	TER3LA	3.5	0.1	30 in-lb	1 in-lb	9-29/32	2-11/16 (68)	1-1/4
1/4	TER6A	TER6FUA	—	8.4	0.2	75 in-lb	1 in-lb	9-29/32	2-11/16 (68)	1-1/4
3/8	TER12A	TER12FUA	TER12LA	17	.5	150 in-lb	5 in-lb	9-29/32	2-11/16 (68)	1-1/4
3/8	TER25A	TER25FUA	TER25LA	0-3,200 N*cm	50 N*cm	0-300 in-lb	5 in-lb	9-29/32	2-11/16 (68)	1-1/4
3/8	TER50A	TER50FUA	TER50LA	60	1	600 in-lb	20 in-lb	12-1/2	2-11/16 (68)	1-1/4
1/2	TER51	TER51FU	TER51L	60	1	600 in-lb	20 in-lb	15	2-11/16 (68)	1.5/16
1/2	TER100	TER100FU	TER100L	140	5	100 ft-lb	2 ft-lb	16	2-3/4 (70)	1-3/8
1/2	TER175	TER175FU	TER175L	230	10	175 ft-lb	5 ft-lb	18-3/4	2-3/4 (70)	1-3/8
3/4	TER352A	TER352FUA	TER352LA	480	10	350 ft-lb	5 ft-lb	29-7/8	3-1/4 (83)	1-3/8
3/4	TER602A	TER602FUA	TER602LA	800	20	600 ft-lb	20 ft-lb	40-7/8	3-1/4 (83)	1-25/32
1	TER1003**	—	TER1003L**	1,360	20	1,000 ft-lb	20 ft-lb	66-13/16	3-9/16 (91)	2-1/32

*Does not include square drive dimension.

Wrenches in chart do not include certificate of calibration.

**Includes separately packed 92TQPA 4" tubular extension handle.

Wrenches with a certificate of calibration are available by adding "C" to the end of the stock number.

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

TORQUE



TEX602TLA



85TQP



TEX2003TFU

US Reading/Standard 2% Accuracy

Input Drive Female Square, inches	Output Drive Male Square, inches	Follow-Up Models Stock No.	Light Signal Models Stock No.	US Range, ft-lb	US Increments, ft-lb	Length, inches	Width, inches	Head Depth*, inches	Increments, ft-lb	Optional "T" Bars/ Extension Handles			
										"T" Bar	Length, inches	Ext. Handle	Ext. Handle Length, inches
3/4	3/4	TEX602TFUA*	TEX602TLA*	600	10	9	3-1/4	3-3/4	—	81TQP	66	—	—
3/4	1	TEX1003TFUA	TEX1003TLA	1,000	10	9-7/8	3-5/8	4-1/8	—	81TQP	66	—	—
1	1	TEX1503TFU	TEX1503TL	1,500	25	10-7/8	4-3/8	4-7/16	—	82TQP	18	85TQP	31
1	1	TEX2003TFU	TEX2003TL	2,000	—	10-7/8	4-3/8	4-7/16	25	82TQP	—	85TQP	31
1	1-1/2	TEX2005TFU	TEX2005TL	2,000	25	10-7/8	4-3/8	4-7/16	—	82TQP	18	85TQP	31
1-1/2	1-1/2	TEX3005TFU	TEX3005TL	3,000	50	12	5-1/8	6-1/2	—	83TQP	18	87TQP	66
1-1/2	1-1/2	TEX4005TFU	TEX4005TL	4,000	50	12	5-1/8	6-1/2	—	84TQP	20	89TQP	72

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.

*T-Bar not included.

Basic model = 1 needle Follow-Up = 2 needles Signal = signal light



TEC175



TEC175L

Combination US/Metric Reading/Standard 2% Accuracy

Square Drive, inches	Stock No.	Follow-Up Models Stock No.	Light Signal Models Stock No.	Metric Range, kg•m	Metric Increments, kg•m	US Range	US Increments	Length, inches	Width, inches (mm)	Head Depth*, inches
1/4	TEC1A	TEC1FUA	—	16	1	15 in-lb	.5 in-lb	1-1/4	2-11/16 (68)	1-1/4
1/4	TEC3A	TEC3FUA	—	35	1	30 in-lb	1 in-lb	9-29/32	2-11/16 (68)	1-1/4
1/4	TEC6A	TEC6FUA	—	90	2.5	75 in-lb	1 in-lb	9-29/32	2-11/16 (68)	1-1/4
3/8	TEC12A	TEC12FUA	TEC12LA	175	5	150 in-lb	5 in-lb	9-29/32	2-11/16 (68)	1-1/4
3/8	TEC25FA	TEC25FFUA	TEC25FLA	350	10	25 ft-lb	1 ft-lb	9-29/32	2-11/16 (68)	1-1/4
3/8	TEC50A	TEC50FUA	TEC50LA	700	20	600 in-lb	20 in-lb	12-1/2	2-11/16 (68)	1-1/4
1/2	TEC51	TEC51FU	TEC51L	700	20	600 in-lb	20 in-lb	15	2-11/16 (68)	1-5/16
1/2	TEC100	TEC100FU	TEC100L	14	.5	100 ft-lb	2 ft-lb	16	2-3/4 (70)	1-3/8
1/2	TEC175	TEC175FU	TEC175L	25	1	175 ft-lb	5 ft-lb	18-3/4	2-3/4 (70)	1-3/8
1/2	TEC250	TEC250FU	TEC250L	35	1	250 ft-lb	10 ft-lb	23-3/4	2-3/4 (70)	1-3/8
3/4	TEC352A	TEC352FUA	TEC352LA	50	1	350 ft-lb	10 ft-lb	28-7/8	3-1/4 (83)	1-25/32
3/4	TEC602A	TEC602FUA	TEC602LA	80	2	600 ft-lb	20 ft-lb	40-7/8	3-1/4 (83)	1-25/32
3/4	TEC803**	TEC803FU**	TEC803L**	110	2	800 ft-lb	25 ft-lb	66-13/16	3-9/16 (91)	2-1/32
1	—	—	TEC1003L	136	2	1,000 ft-lb	20 ft-lb	66-13/16	3-9/16 (91)	2-1/32
1	—	TEC1503FU†	TEC1503L†	200	5	1,500 ft-lb	25 ft-lb	80	4-13/32 (112)	2-1/8
1	—	TEC2003FU†	TEC2003L†	280	5	2,000 ft-lb	50 ft-lb	80	4-13/32 (112)	2-1/8
1-1/2	TEC2005	TEC2005FU†	TEC2005L†	280	5	2,000 ft-lb	50 ft-lb	80	4-13/32 (112)	2-13/16
1-1/2	TEC3005	TEC3005FU	TEC3005L	400	5	3,000 ft-lb	50 ft-lb	14 (358)	5-1/2 (140)	2-13/16

*Does not include square drive dimension.

Wrenches in chart do not include certificate of calibration.

Basic model = 1 needle Follow-Up = 2 needles Signal = signal light

**Includes separately packed 92TQPA 4" tubular extension handle.

Wrenches with a certificate of calibration are available.

†Includes separately packed 93TQPA 5" tubular extension handle.

- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- Do not use "cheater bars" on handles.
- Pull, do not push on handle.
- Do not force head against flex stops.
- Frequently inspect, clean, and lubricate ratchet mechanism with light oil.
- Do not replace worn parts individually; use entire contents of the service kit.
- Recalibrate every 6 months or more depending on use. ANSI B107.14M specifies that accuracy is maintained through 5000 cycles for click-type torque wrenches.
- Read Safety Precautions on pages W1-W4.



TORQOMETER® TORQUE DRIVERS - 1/4" DRIVE

Combination US/Metric Reading/Standard 2% Accuracy



TQSC4FUA

Standard Follow-Up Models Stock No.	Increments	Length, inches	Range
TQSSC1FUA	.5 kg*cm/1.5 in-lb	5-1/4	17 kg*cm/15 in-lb
TQSSC2.5FUA	1.000 kg*cm/1.0 in-lb	5-1/4	35 kg*cm/30 in-lb
TQSSC4FUA	2 kg*cm/2 in-lb	5-1/4	55 kg*cm/50 in-lb
TQSSC6FUA	3 kg*cm/3 in-lb	5-1/4	90 kg*cm/75 in-lb
TQSC1FUA	.5 kg*cm/1.5 in-lb	7-3/4	17 kg*cm/15 in-lb
TQSC2.5FUA	1.000 kg*cm/1.0 in-lb	7-3/4	35 kg*cm/30 in-lb
TQSC4FUA*	2 kg*cm/2 in-lb	8-11/16	65 kg*cm/50 in-lb
TQSC6FUA*	—	—	90 kg/70 in-lb

Wrenches in chart do not include 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

T-HANDLE TORQOMETER® TORQUE WRENCHES



TEXC602TFUA



TEXC4005TL

Combination US/Metric Reading/Standard 2% Accuracy

Input Drive Female Square, inches	Output Drive Male Square, inches	Follow-Up Models Stock No.	Light Signal Models Stock No.	US Range, ft-lb	US Increments, ft-lb	Metric Range, kg*m	Metric kg*m	Length, inches	Width, inches (mm)	Head Depth, inches	Optional "T" Bars/ Extension Handles			
											"T" Bar	"T" Bar Length, inches	Ext. Handle	Ext. Handle Length, inches
3/4	3/4	TEXC602TFUA	TEXC602TLA	600	20	80	2	9	3-1/4	3-3/4	81TQP	66	—	—
3/4	1	TEXC1003TFUA	TEXC1003TLA	1,000	20	136	2	9-7/8	3-5/8	4-1/8	81TQP	66	—	—
1	1	TEXC1503TFU	TEXC1503TL	1,500	25	200	5	10-7/8	4-3/8	4-7/16	82TQP	18	85TQP	31
1	1	TEXC2003TFU	TEXC2003TL	2,000	50	280	5	10-7/8	4-3/8	4-7/16	82TQP	18	85TQP	31
1	1-1/2	TEXC2005TFU	TEXC2005TL	2,000	50	280	5	10-7/8	4-3/8	4-7/16	82TQP	18	85TQP	31
1-1/2	1-1/2	TEXC3005TFU	TEXC3005TL	3,000	100	400	5	12	5-1/8	6-1/2	83TQP	18	87TQP	65
1-1/2	1-1/2	TEXC4005TFU	TEXC4005TL	4,000	100	550	10	12	5-1/8	6-1/2	84TQP	20	89TQP	72

Wrenches in chart do not include certificate of calibration. Wrenches with a certification of calibration are available by adding "C" to the end of the stock number.
Basic model = 1 needle Follow-Up = 2 needles Signal = signal light

TORQOMETER® TORQUE WRENCHES - 1/4" DRIVE



TQS012A

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.	Increments	Range
TQS1A	TQS1FUA	5-1/4	—	TQSS1FUA	4 in-oz/14 in-lb	192 in-oz/12 in-lb
TQS012A	TQS012FUA	5-1/4	TQSS012A	TQSS012FUA	1/2 in-oz/1/32 in-lb	24 in-oz/1.5 in-lb
TQS2A	TQS2FUA	5-1/4	TQSS2A	TQSS2FUA	8 in-oz/1/2 in-lb	384 in-oz/24 in-lb
TQS025A	TQS025FUA	5-1/4	TQSS025A	TQSS025FUA	1 in-oz/1/16 in-lb	48 in-oz/3 in-lb
TQS4A*	TQS4FUA*	5-1/4	TQSS4A	TQSS4FUA	1 in-lb	50 in-lb
TQS050A	TQS050FUA	5-1/4	TQSS050A	TQSS050FUA	2 in-oz/1/8 in-lb	96 in-oz/6 in-lb
—	TQSS25FUA	5-1/4	—	—	1 in-lb	75 in-lb
TQS6A*	TQS6FUA*	5-1/4	TQSS6A	TQSS6FUA	1 in-lb	75 in-lb
TQS008A	TQS008FUA	7-3/4	—	TQSS008FUA	1/2 in-oz	16 in-oz
TQS2.5A	TQS2.5FUA	7-3/4	TQSS2.5A	—	12 in-oz/1 in-lb	480 in-oz/30 in-lb
TQS004A	TQS004FUA	8-5/8	—	—	1/4 in-oz	8 in-oz

Wrenches in chart do not include 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

TORQOMETER® TORQUE WRENCHES – 1/4" DRIVE

TORQUE

Combination US/Newton Meter Reading/Standard 2% Accuracy**

Standard Basic Models Stock No.	Length, inches	Standard Follow-up Models Stock No.	Stubby Basic Models Stock No.	Stubby Follow-up Models Stock No.	Range	Increments
—	5-1/4	—	TQSS1.055A	TQSS1.11FUA	.055 N•m	.001 N•m
TQSS1.11A	5-1/4	—	TQSS1.11A	—	.110 N•m	.005 N•m
TQSS1.34FUA	5-1/4	—	TQSS1.34FUA	TQSS1.34FUA	.34 N•m	.01 N•m
—	5-1/4	—	—	TQSS1.70FUA	.70 N•m	.02 N•m
—	5-1/4	—	—	TQSS1.135FUA	1.35 N•m	.05 N•m
TQSI055A	5-1/4	TQSI055FUA	—	TQSI055FUA	.055 N•m	.001 N•m
—	7-3/4	TQSR1FUA	—	—	1.6 N•cm/15 in-lb	5 N•cm/25 in-lb
—	7-3/4	TQSR2.5FUA	—	—	3.4 N•cm/30 in-lb	1 N•m/1 in-lb
—	7-3/4	TQSI135FUA	—	—	1.35 N•m	.05 N•m
—	8-11/16	TQSR4FUA*	—	—	3.5 N•m/30 in-lb	1 N•m/1 in-lb
—	8-11/16	TQSR6FUA*	—	—	6.4 N•m/75 in-lb	2 N•m/5 in-lb

*Includes 1/4" internal square drive in handle. **Precise 1% models are available on special order.
All wrenches include PB47 Storage Case.
ANSI Spec. B107.300 applies to all these models.

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.
Basic model = 1 needle Follow-up = 2 needles

Torque Angle Gauges

TA358 3/8" Square Drive Torque Angle Gauge

- Determines angle controlled torque tightening
- Allows user to follow manufacturer's specifications
- Used on automotive, diesel and industrial equipment, plus head bolts and rod bolts on motorcycles

TA360 1/2" Square Drive Torque Angle Gauge

- Allows user to follow manufacturer's specifications
- Calibrated in degrees in large, easy-to-read increments



TA358

TORQUE SCREWDRIVER



ATECHMS80M

ATECHMS100M

TechAngle® Electronic Torque Screwdriver

- Four alert modes (LCD, LED, Audible, Vibratory)
- Advanced features: programmable sleep timer, cycle counter, overload indication, calibration alert, battery level, language selection and torque record memory including 10 presets and storage for up to 50 records
- Three modes of operation: Torque, Angle, Torque Then Angle
- Displays in seven units of measure: in-lb, in-oz, ft-lb, Nm, Kg-cm, cNm and angle
- Guaranteed accuracy ±2% CW and 3% CCW at 20–100% of full scale (±4% CW and 6% CCW at 5–19% of full scale)

Stock No.		Range	Increments	Length, inches
ATECHMS80F	1/4" Hex Electronic Screwdriver (Tool Only)	4-80 in-lb (0.45-9 N•m)	.01 in-lb	7-1/2
ATECHMS80FK	1/4" Hex Electronic Screwdriver Kit	4-80 in-lb (0.45-9 N•m)	.01 in-lb	7-1/2
ATECHMS100F*	1/4" Hex Electronic Screwdriver (Tool Only)	5-100 in-oz	.01 in-lb	7-1/2
ATECHMS80M	1/4" Square Electronic Driver (Tool Only)	4-80 in-lb (0.45-9 N•m)	.01 in-lb	7-1/2
ATECHMS80NM	1/4" Square Electronic Driver Kit	4-80 in-lb (0.45-9 N•m)	.01 in-lb	7-1/2
ATECHMS80NF	1/4" Square Electronic Driver Kit	4-80 in-lb (0.45-9 N•m)	.01 in-lb	7-1/2
ATECHMS80MK	1/4" Square Electronic Driver Kit	4-80 in-lb (0.45-9 N•m)	.01 in-lb	7-1/2
ATECHMS100M†	1/4" Square Electronic Driver (Tool Only)	5-100 in-oz	.01 in-lb	7-1/2
ATECHMS100MK	1/4" Square Electronic Driver Kit	5-100 in-oz	.01 in-lb	7-1/2

*Scales are +1-3% CW and CCW (+1-5% CW and +1-6% CCW) at 5-19% of full scale.

ASME B107.300-2010

MSTECHHDL Electronic Driver L-Handle

- T-handle for assisted turning above 40 in-lb



MSTECHHDL

- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- †These products may expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4



TORQUE DRIVERS



QDRIVER1P

Preset Torque Screwdrivers

- Ideal for low-torque assemblies and precision application
- Drivers accept all standard 1/4" hex screwdriver bits
- Cam over torque limiting clutch-free wheels when set torque is achieved
- Accuracy is $\pm 6\%$ from 20–100% of full scale in clockwise direction only for all drivers in series
- Lightweight construction features aluminum body with steel shank
- Comfortable ergonomic tri-lobe grip and magnetic bit retention
- Textured body provides a nonslip grip
- Not supplied with Certificate of Calibration
- When ordering, user must designate desired torque rating to be set

Stock No.	Range, minimum	Range, maximum	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)	160 in-oz (170 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 II, Class A, Style 2, Design A



QDRIVER2

Adjustable Torque Screwdrivers

- Ideal for low-torque assemblies, precision applications and dash/under dash work on most domestic 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 $\pm 6\%$ from 20–100% of full scale in clockwise direction only for all drivers in series
- Lightweight construction features body with steel shank
- Comfortable ergonomic tri-lobe grip and magnetic bit retention
- Textured body provides a nonslip grip

Stock No.	Range	Increments	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)	0.2 in-lb	6-1/4
QDRIVER4	5–40 in-lb (56–451 N•cm)	0.5 in-lb	6-11/16
QDRIVER4NM	50–450 N•cm	5.0 N•cm	6-11/16

ASME® B107.300-2010 Type II, Class A, Style 1, Design A



QDTPMS35

TPMS Torque Screwdriver

Stock No.	Description	Range, Dedicated	Overall Length, inches	Accuracy
QDTPMS35	TPMS Adjustable Torque Screwdriver	4 in-lb, 12 in-lb, 35 in-lb	6-5/8	$\pm 6\%$

QDTPMS35 TPMS Adjustable Torque Screwdriver

- Highly accurate torque tool intended for maintaining or installing popular styles of tire pressure monitoring sensors
- Manufactured from aircraft-grade aluminum
- Dedicated torque measurements for popular TPMS ratings (4, 12, 35 in-lb)



QDRIVER2A

Adjustable Torque Drivers (1/4" Square Drive)

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	50–450 N•cm	5 N•m	6-11/16

Torque Limiting Drivers

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

QTSP135 US Preset Limiting Driver

- Clutch mechanism to help prevent over-torquing by allowing free rotation upon reaching the set torque
- 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
- Torque limit is pre-set at the factory so when ordering, user must designate desired torque rating to be set

QTS135 Adjustable Limiting Driver

- Micrometer-type adjustment
- Clutch allows 25° of free rotation upon reaching the set torque
- Guaranteed accuracy: within ±4% of setting from 20% of capacity to full capacity clockwise and counterclockwise



QTSP135

INTERCHANGEABLE HEADS



QC11200

Torque Wrench Bodies/Adjustable

- 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
- Adjustable models provide quick torque settings across the scale range while preset models are dedicated to a single torque measurement (good for repetitive assembly operations)
- Slim-profile allows access to tight areas
- Micrometer-style adjustment for fast, accurate torque setting
- All QC series interchangeable torque wrenches are accurate to ±4% clockwise and ±6% counterclockwise from 20–100% of full scale
- Tube scales are roll-marked for better permanency and visibility

Stock No.	Model	Shank (dia.)	Range	Increments	Length, inches
QC11200	Adjustable	J (0.425")	40–200 in-lb	1 in-lb	9-3/8
QC2175	Adjustable	J (0.425")	5–75 in-lb	.5 in-lb	13



QC3P200



QC4P300

Torque Wrench Bodies/Preset

Stock No.	Model	Shank (dia.)	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)	6
QC1P300	Preset	J (0.425")	60–300 in-lb (6.8–33.9 N•m)	10
QC2P75	Preset	J (0.425")	5–75 in-lb (7–100 N•m)	11
QC3P150	Preset	Y (0.560")	30–150 in-lb (41–203 N•m)	23
QC3P200	Preset	Y (0.560")	40–200 in-lb (55–270 N•m)	23
QC4P300	Preset	X (0.735")	60–300 in-lb (82–400 N•m)	27

No calibration certificates on preset torque bodies



- Do not exceed rated torque
- Do not use to break fasteners loose
- Periodic recalibration is needed to maintain accuracy
- Read Safety Precautions on pages W3–W4

INTERCHANGEABLE HEADS



QD2IN50A



QD3IN200B



QD2IN100A

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
- Minimal friction "hour glass" cam retains and releases lubricant where needed to reduce friction
- Push buttons for quick-release of interchangeable head
- Positive stop ensures the instrument cannot be accidentally disassembled if wound down past scale
- Each instrument comes in a molded storage case for long-term protection
- Tube scales are roll-marked for better permanency and visibility
- Includes certificate of calibration

Stock No.	Range, N*m	Range, ft-lb	Increments	Shank Type	Weight, lb (kg)	Length, inches (mm)
QD2IN50A	10-50	9.2-35.0	0.5 N*m/0.4 ft-lb	J	2.3 (1.12)	14-1/2 (368)
QD2IN100A	20-100	18.6-71.9	0.5 N*m/0.4 ft-lb	J	2.3 (1.12)	14-1/2 (368)
QD3IN200B	40-200	37-140	2 N*m/1.2 ft-lb	Y	3.36 (1.64)	23 (584)
QD3IN350A	70-350	69-251	2 N*m/1.2 ft-lb	X	3.36 (1.64)	23 (584)
QD4IN600A	150-600	129-572	5 N*m/4.3 ft-lb	Z	11.04 (5.48)	41-1/2 (1,054)

ASME® B107.300



QJD8SL-72

Square Drive Heads/Ratcheting

Square Drive, inches	J (0.425")	Y (0.560")	X (0.735")	Z (0.990")	Head O.D., inches	Depth, inches	Repair Kit
1/4	QJD8A-72	—	—	—	15/16	7/16	RKRT72A
1/4	QJD8SL-72	—	—	—	15/16	7/16	RKRT72A
3/8	QYD12A-80**	—	—	—	1-1/4	9/16	RKRF80
3/8	QYD12SL-80	—	—	—	1-1/4	9/16	RKRF80
3/8	—	QJD12A-80**	—	—	1-1/4	9/16	RKRF80
3/8	—	QJD12SL-80	—	—	1-1/4	9/16	RKRF80
3/8	—	—	QXD12A-80	—	1-1/4	9/16	RKRF80
1/2	QJD16A**	—	—	—	1-5/8	3/4	RKRS936
1/2	QJD16SL	—	—	—	1-5/8	3/4	RKRS80A
1/2	—	QYD16A**	—	—	1-5/8	3/4	RKRS936
1/2	—	QYD16SL	—	—	1-5/8	3/4	RKRS80A
1/2	—	—	QXD16A**	—	1-5/8	3/4	RKRS80A
3/4	—	—	QXD24A	—	2-1/2	1-1/4	RKRQC4
3/4	—	—	—	QZD24BDP	2-1/2	1-1/4	RKRQC4
1	—	—	—	QZD32BDP	2-1/2	1-1/2	RKRQC5

**U.S. Patents 4,834,220 and 6,125,722 apply to this ratchet head.

Value in parentheses in chart is the Maximum Recommended Working Torque, ft-lb

Center of Fastener to Retaining Pin

- QYD Series - 3.00"
- QXD Series - 4.50"
- QZD Series - 5.75"
- QJD-SL Series - 3.5"
- QYD-SL Series - 4.43"

Allow use of torque wrench bodies on previous page with sockets, crowfoot wrenches or other similar attachment



QJSD8A

Square Drive Heads/Fixed

Square Drive, inches	J (0.425")	Y (0.560")	X (0.735")	Z (0.990")	Head O.D., inches	Head Depth, inches
1/4	QJSD8A	—	—	—	5/8	3/4
3/8	QJSD12A	QYSD12A	—	—	1	1
1/2	QJSD16A	QYSD16A	QXSD16A	—	1	1-1/4
3/4	—	—	QXSD24A	QZSD24ADP	1-1/2	2
1	—	—	QXSD32A	QJSD8A	1-3/4	2-1/4

Value in parentheses is the Maximum Recommended Working Torque, ft-lb

Center of Fastener to Retaining Pin

- QJD Series - 2.50"
- QYD Series - 3.00"
- QXD Series - 4.50"
- QZD Series - 5.75"

Allow use of torque wrench bodies on previous page with sockets, crowfoot wrenches or other similar attachments

INTERCHANGEABLE HEADS



QJBOERM10A

Ratcheting Box End Heads, 12-Point, mm

Center of Fastener to Retaining Pin
QJBOER Series – 2.50"
QYBOER Series – 3.0"

mm	J (0.425")	Y (0.560")	Head O.D., mm	Head Depth, mm
10	QJBOERM10A	—	21.5	8
13	QJBOERM13A	—	25	10
15	QJBOERM15A	—	28.5	11
16	QJBOERM16A	QYBOERM16A	30.5	11
17	QJBOERM17A	—	32	12
18	QJBOERM18A	QYBOERM18A	34.5	12
19	QJBOERM19A	—	41.7	12.9
22	QJBOERM22A	—	41.7	14.5
24	QJBOERM24A	QYBOERM24A	46.5	15.5



QJBOER12A

Ratcheting Box End Heads, 12-Point, inches

Center of Fastener to Retaining Pin
QJBOER Series – 2.50"
QYBOER Series – 3.0"

	J (0.425")	Y (0.560")	Head O.D., inches	Head Depth, inches
3/8	QJBOER12A	—	27/32	5/16
7/16	QJBOER14A	—	7/8	11/32
1/2	QJBOER16A	—	1-1/32	1/4
9/16	QJBOER18A	—	1-1/16	13/32
5/8	QJBOER20A	QYBOER20A	1-3/16	7/16
11/16	—	QYBOER22A	1-1/4	15/32
3/4	QJBOER24A	QYBOER24A	1-7/16	1/2

INTERCHANGEABLE HEAD, CLICK-TYPE TORQUE WRENCHES



QJXD14A

Box End Heads, 0° Offset, 12-Point, inches

Center of fastener to retaining pin:
• QJXD Series: 2.50"
• QYXD Series: 3.00"
• QXXD Series: 4.50"

	Stock No.	Shank (dia.)	Maximum Recommended 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
5/8	QYXD20A	Y (0.560")	160
11/16	QJXD22A	J (0.425")	60
11/16	QYXD22A	Y (0.560")	160
3/4	QJXD24A	J (0.425")	60
3/4	QYXD24A	Y (0.560")	160
7/8	QJXD28A	J (0.425")	60
15/16	QJXD30A	J (0.425")	60
15/16	QYXD30A	Y (0.560")	160
1	QJXD32A	J (0.425")	60



QYXB24A

Box End Heads, 10° Offset, 12-Point, inches

Center of fastener to retaining pin:
• QJXB Series: 2.50"
• QYXB Series: 3.00"
• QXXB Series: 4.50"

	Stock No.	Shank (dia.)	Maximum Recommended 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
5/8	QYXB20A	Y (0.560")	160
11/16	QJXB22A	J (0.425")	60
3/4	QJXB24A	J (0.425")	60
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

- Frequently inspect, clean, and lubricate all non-sealed ratchet mechanisms with light oil.
- Do not replace worn parts individually; use entire contents of the service kit.
- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- Read Safety Precautions on pages W1-W4.



INTERCHANGEABLE HEAD, CLICK-TYPE TORQUE WRENCHES

Box End Heads, 10° Offset, 12-Point, mm

Center of fastener to retaining pin:

- QJXBM Series: 2.50"
- QYXBM Series: 3.00"

Size, mm	Stock No.	Shank (dia.)	Maximum Recommended Working Torque, ft-lb
11	QJXBM11A	J (0.425")	60
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
28	QYXBM28A	Y (0.560")	160

Box End Heads, 40° Bend, 12-Point, mm



QYSBXM18A

Size, mm	Stock No.	Shank (dia.)	Center of Fastener to Retaining Pin
18	QYSBXM18A	Y (0.560")	QYSBXM Series - 3.00"
24	QYSBXM24A	Y (0.560")	QYSBXM Series - 3.00"

ISO/IZO Ratchet Head Inserts

Stock No.	Square Drive, Inches (mm)	Width, mm	Insert Size, mm	Max Recommended Working Torque, N·m
IZTRAT9X12	1/4 (6)	37	9 x 12	25
IZFRAT9X12	3/8 (10)	38	9 x 12	160
IZSRAT9X12	1/2 (13)	38	9 x 12	160
IZSRAT14X18	1/2 (13)	40	14 x 18	265
IZLRAT14X18	3/4 (19)	40	14 x 18	960
QIZ16Q14X18	1/2 (13)	40	14 x 18	265

IZO Torque Insert Heads

Stock No.	Description (Chart)	Stock No.	Description (Chart)	Stock No.	Description (Chart)
IZ70E9X12	7 mm OE Insert 9 x 12	IZ170E14X18	17 mm OE insert 14 x 18	IZ171R9X12	17 mm Insert Ring 9 x 12
IZ80E9X12	8 mm OE insert 9 x 12	IZ180E14X18	18 mm OE insert 14 x 18	IZ191R9X12	19 mm Insert Ring 9 x 12
IZ90E9X12	9 mm OE insert 9 x 12	IZ190E14X18	19 mm OE insert 14 x 18	IZ131R14X18	13 mm Insert Ring 14 x 18
IZ100E9X12	10 mm OE insert 9 x 12	IZ220E14X18	22 mm OE insert 14 x 18	IZ141R14X18	14 mm Insert Ring 14 x 18
IZ110E9X12	11 mm OE insert 9 x 12	IZ240E14X18	24 mm OE insert 14 x 18	IZ151R14X18	15 mm Insert Ring 14 x 18
IZ130E9X12	13 mm OE insert 9 x 12	IZ270E14X18	27 mm OE insert 14 x 18	IZ171R14X18	17 mm Insert Ring 14 x 18
IZ140E9X12	14 mm OE insert 9 x 12	IZ300E14X18	30 mm OE insert 14 x 18	IZ191R14X18	19 mm Insert Ring 14 x 18
IZ150E9X12	15 mm OE insert 9 x 12	IZ320E14X18	32 mm OE insert 14 x 18	IZ221R14X18	22 mm Insert Ring 14 x 18
IZ160E9X12	16 mm OE insert 9 x 12	IZ360E14X18	36 mm OE insert 14 x 18	IZ241R14X18	24 mm Insert Ring 14 x 18
IZ170E9X12	17 mm OE insert 9 x 12	IZ101R9X12	10 mm Insert Ring 9 x 12	IZ271R14X18	27 mm Insert Ring 14 x 18
IZ180E9X12	18 mm OE insert 9 x 12	IZ111R9X12	11 mm Insert Ring 9 x 12	IZ301R14X18	30 mm Insert Ring 14 x 18
IZ190E9X12	19 mm OE insert 9 x 12	IZ121R9X12	12 mm Insert Ring 9 x 12	IZ321R14X18	32 mm Insert Ring 14 x 18
IZ130E14X18	13 mm OE insert 14 x 18	IZ131R9X12	13 mm Insert Ring 9 x 12	IZ341R14X18	34 mm Insert Ring 14 x 18
IZ140E14X18	14 mm OE insert 14 x 18	IZ141R9X12	14 mm Insert Ring 9 x 12	IZW19X12	Welding Insert 9 x 12
IZ150E14X18	15 mm OE insert 14 x 18	IZ151R9X12	15 mm Insert Ring 9 x 12	IZW14X18	Welding Insert 14 x 18

INTERCHANGEABLE HEAD

Thin Open End Heads, inches



QJO22ARTH60

Center of fastener to retaining pin:

- QJO Series: 2.50"
- QYO Series: 3.00"

Size, inches	Stock No.	Shank (dia.)	Maximum Recommended Working Torque, ft-lb
11/16	QJO22ARTH60	J (0.425")	60
7/8	QJO28ARTH	J (0.425")	60
15/16	QJO30ARTH	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

Size, inches	Stock No.	Shank (dia.)	Maximum Recommended Working Torque, ft-lb
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
15/16	QYO30ARTH	Y (0.560")	160
1-1/16	QYO34ARTH	Y (0.560")	160
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

mm	J (0.425")	Y (0.560")	X (0.735")	Z (0.990") Dual Pins	O.D., mm	Head Depth, mm
6	QJOM6A (5)	—	—	—	13	4
7	QJOM7A (6)	—	—	—	15	4
8	QJOM8A (10)	—	—	—	17	4
9	QJOM9A (14)	—	—	—	19	5
10	QJOM10A (22)	—	—	—	21	5
11	QJOM11A (33)	—	—	—	23	6
12	QJOM12A (36)	—	—	—	25	6
13	QJOM13A (41)	—	—	—	27	8
14	QJOM14A (55)	QYOM14A (55)	—	—	29	7
15	QJOM15A (60)	QYOM15A (74)	—	—	31	7
16	QJOM16A (60)	QYOM16A (88)	—	—	33	7
17	QJOM17A (60)	QYOM17A (103)	QXOM17A (103)	—	35	8
18	QJOM18A (60)	QYOM18A (115)	QXOM18A (115)	—	37	8
19	QJOM19A (60)	QYOM19A (138)	QXOM19A (138)	—	39	9
20	QJOM20A (60)	QYOM20A (160)	QXOM20A (160)	—	41	9
21	QJOM21A (60)	QYOM21A (160)	QXOM21A (180)	—	43	9
22	QJOM22A (60)	QYOM22A (160)	QXOM22A (206)	—	46	10
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	18
46	—	—	QXOM46A (240)	QZOM46ADP (480)	93	19
49	—	—	—	—	96	18
50	—	—	—	QZOM50ADP (480)	102	20
55	—	—	QXOM55A (240)	QZOM55ADP (480)	113	23
60	—	—	—	QZOM60ADP (480)	125	27
65	—	—	—	QZOM65ADP (480)	130	28
70	—	—	—	QZOM70ADP (480)	169	31



QJOM27A

Center of fastener to retaining pin:
 • QJOM Series: 2.50"
 • QYOM Series: 3.00"
 • QXOM Series: 4.50"
 • QZOM Series: 5.75"

Value in parentheses is the Maximum Recommended Working Torque, ft-lb



- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- Read Safety Precautions on pages W1-W4.

INTERCHANGEABLE HEADS

Open End Heads, inches



QJ028A



QZ038ADP

	J (0.425")	Y (0.560")	X (0.735")	Z (0.990") Dual Pins	Head Depth, inches	O.D., inches
1/4	QJ08A (5)	—	—	—	9/64	17/32
9/32	QJ09A (7)	—	—	—	5/32	21/32
5/16	QJ010A (9)	—	—	—	11/64	21/32
3/8	QJ012A (18)	—	—	—	11/64	25/32
7/16	QJ014A (26)	—	—	—	11/64	29/32
1/2	QJ016A (34)	QY016A (58)	—	—	11/64	1-1/16
9/16	QJ018A (58)	QY018A (58)	—	—	9/32	1-1/16
5/8	QJ020A (60)	QY020A (70)	—	—	9/32	1-5/16
11/16	QJ022A (60)	QY022A (99)	—	—	5/16	1-7/16
3/4	QJ024A (60)	QY024A (125)	QX024A (125)	—	11/32	1-19/32
13/16	QJ026A (60)	QY026A (160)	QX026A (164)	—	3/8	1-23/32
7/8	QJ028A (60)	QY028A (160)	—	—	3/8	1-23/32
15/16	QJ030A (60)	QY030A (160)	QX030A (200)	—	13/32	1-29/32
1	QJ032A (60)	QY032A (160)	QX032A (240)	QZ032ADP (298)	7/16	2-1/32
1-1/16	QJ034A (60)	QY034A (160)	QX034A (240)	QZ034ADP (480)	15/32	2-3/16
1-1/8	QJ036A (60)	QY036A (160)	QX036A (240)	QZ036ADP (367)	15/32	2-5/16
1-3/16	QJ038A (60)	QY038A (160)	QX038A (240)	QZ038ADP (433)	15/32	2-5/16
1-1/4	QJ040A (60)	QY040A (160)	QX040A (240)	QZ040ADP (480)	17/32	2-9/16
1-5/16	—	QY042A (160)	QX042A (240)	QZ042ADP (480)	9/16	2-21/32
1-3/8	QJ044A (60)	QY044A (160)	QX044A (240)	QZ044ADP (480)	19/32	2-3/16
1-7/16	—	QY046A (160)	QX046A (240)	QZ046ADP (480)	19/32	3
1-1/2	QJ048A (60)	QY048A (160)	QX048A (240)	QZ048ADP (480)	5/8	3-1/16
1-9/16	—	QY050A (160)	QX050A (240)	QZ050ADP (480)	21/32	3-3/16
1-5/8	QJ052A (60)	QY052A (160)	QX052A (240)	QZ052ADP (480)	11/16	3-11/32
1-11/16	—	—	QX054A (240)	QZ054ADP (480)	23/32	3-13/32
1-3/4	—	QY056A (240)	QX056A (240)	QZ056ADP (480)	23/32	3-9/16
1-13/16	—	—	QX058A (240)	QZ058ADP (480)	13/32	3-21/32
1-7/8	—	QY060A (240)	QX060A (240)	QZ060ADP (480)	25/32	3-13/16
2	—	—	QX064A (240)	QZ064ADP (480)	27/32	4-1/16
2-1/8	—	—	QX068A (240)	QZ068ADP (480)	27/32	4-3/16
2-1/4	—	QY072 (240)	—	QZ072ADP (480)	15/16	4-9/16
2-3/8	—	—	—	QZ076ADP (480)	—	—
2-1/2	—	—	—	QZ080ADP (480)	1	5-1/16
2-7/8	—	QY092 (240)	—	—	5/8	5-31/32

Value in parentheses is the Maximum Recommended Working Torque, ft-lb


Center of fastener to retaining pin:

- QJ0 Series: 2.50"
- QY0 Series: 3.00"
- QX0 Series: 4.50"
- QZ0 Series: 5.75"

INTERCHANGEABLE HEADS

TORQUE

Box End Heads, 15° offset, 12-Point, inches

	J (0.425")	X (0.738")	Y (0.540")	Z (0.990")	O.D., inches	Head Depth, inches
7/32	QJX7A (10)	—	—	—	13/32	3/16
1/4	QJX8A (18)	—	—	—	13/32	3/16
9/32	QJX9A (41)	—	—	—	13/32	3/16
5/16	QJX10A (41)	—	—	—	1/2	7/32
3/8	QJX12A (60)	—	—	—	5/32	1/4
7/16	QJX14A (60)	—	QYX14A (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)	QXX20A (171)	QYX20A (160)	—	15/16	13/32
11/16	QJX22A (60)	QXX22A (200)	QYX22A (160)	—	1-1/32	7/16
3/4	QJX24A (60)	QXX24A (219)	QYX24A (160)	—	1-1/8	15/32
13/16	QJX26A (60)	QXX26A (240)	QYX26A (160)	QZX26A (276) QZX26ADP (275)	1-3/16	17/32
7/8	QJX28A (60)	QXX28A (240)	QYX28A (160)	—	1-9/32	9/16
15/16	QJX30A (60)	QXX30A (240)	QYX30A (160)	QZX30A (300) QZX30ADP (300)	1-3/8	19/32
1	QJX32A (60)	QXX32A (240)	QYX32A (160)	—	1-15/32	21/32
1-1/16	—	QXX34A (240)	—	—	1-8/16	11/16
1-1/16	QJX34A (60)	—	QYX34A (160)	QZX34ADP (300)	1-9/16	11/16
1-1/8	—	QXX36A (240)	QYX36A (160)	QZX36ADP (480)	1-5/8	11/16
1-3/16	—	QXX38A (240)	QYX38A (160)	QZX38ADP (480)	1-3/4	11/16
1-1/4	QJX40A (60)	QXX40A (240)	QYX40A (160)	QZX40ADP (480)	1-9/16	11/16
1-5/16	—	QXX42A (240)	QYX42A (160)	QZX42ADP (480)	1-29/32	3/4
1-3/8	—	QXX44A (240)	QYX44A (160)	QZX44ADP (480)	2	3/4
1-7/16	—	QXX46A (240)	—	QZX46ADP (480)	2-1/16	7/8
1-1/2	—	QXX48A (240)	QYX48A (160)	QZX48ADP (480)	2-5/32	7/8
1-9/16	—	QXX50A (240)	—	QZX50ADP (480)	2-1/4	7/8
1-5/8	—	QXX52A (240)	QYX52A (160)	QZX52ADP (480)	2-11/32	7/8
1-11/16	—	QXX54A (240)	—	—	2-7/16	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
2-3/8	—	—	—	QZX70ADP (240)	3-1/8	1-1/8
2-1/4	—	—	—	QZX72ADP (480)	3-7/32	1-3/16
2-3/8	—	—	—	QZX76ADP (480)	3-13/32	1-9/32
2-1/2	—	—	—	QZX80A (480) QZX80ADP (480)	3-19/32	1-5/16
2-9/16	—	—	—	QZX82A (480)	—	—

Value in parentheses is the Maximum Recommended Working Torque, ft-lb



QJX7A

Center of fastener to retaining pin:

- QJX Series – 2.50"
- QYX Series – 3.00"
- QXX Series – 4.50"
- QZX Series – 5.75"

Adaptor

QZD32A-1 Z Shank to 1" Drive Adapter

- Adaptor Z Shank to 1" Drive



QZD32A-1

Ratcheting Flare Nut Heads, 12-Point, mm

	Stock No.	Shank (dia.)
16	RTWHM16J	J (0.425")
18	RTWHM16JSL	J (0.425")



RTWHM16JSL



- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Read Safety Precautions on pages W1-W4

INTERCHANGEABLE HEADS



QJXM5A



QXXM18A

Center of fastener to retaining pin:

- QJXM Series – 2.50"
- QYXM Series – 3.00"
- QXXM Series – 4.50"
- QZXM Series – 5.75"

Box End Heads, 12-Point, mm

mm	J (0.425")	X (0.735")	Y (0.560")	Z (0.990") Dual Pins	Head Depth, mm	O.D., mm
6	QJXM6A (15)	—	—	—	5	11
7	QJXM7A (20)	—	—	—	5	11
8	QJXM8A (22)	—	—	—	6	13
9	QJXM9A (30)	—	—	—	6	14
10	QJXM10A (53)	—	—	—	7	15
11	QJXM11A (59)	—	—	—	8	17
12	QJXM12A (60)	—	—	—	8	18
13	QJXM13A (60)	—	—	—	9	20
14	QJXM14A (60)	QXXM14A (117)	QYXM14A (117)	—	9	21
15	QJXM15A (60)	—	QYXM15A (148)	—	10	22
16	QJXM16A (60)	QXXM16A (183)	QYXM16A (160)	—	10	24
17	QJXM17A (60)	QXXM17A (197)	QYXM17A (160)	—	11	25
18	QJXM18A (60)	QXXM18A (224)	QYXM18A (160)	—	12	27
19	QJXM19A (60)	QXXM19A (238)	QYXM19A (160)	—	12	28
20	QJXM20A (60)	QXXM20A (240)	QYXM20A (160)	—	13	30
21	QJXM21A (60)	QXXM21A (240)	QYXM21A (160)	—	13	31
22	QJXM22A (60)	QXXM22A (240)	QYXM22A (160)	—	14	32
23	QJXM23A (60)	QXXM23A (240)	QYXM23A (160)	—	15	34
24	QJXM24A (60)	QXXM24A (240)	QYXM24A (160)	QZXM24ADP (375)	15	35
25	—	QXXM25A (240)	—	QZXM25ADP (413)	16	37
26	QJXM26A (60)	—	QYXM26A (160)	—	16	38
27	QJXM27A (60)	QXXM27A (240)	QYXM27A (160)	QZXM27ADP (480)	17	39
29	—	QXXM29A (240)	QYXM29A (160)	QZXM29ADP (480)	18	42
30	—	QXXM30A (240)	QYXM30A (160)	QZXM30ADP (480)	19	44
32	—	QXXM32A (240)	QYXM32A (160)	QZXM32ADP (480)	19	46
34	—	QXXM34A (240)	QYXM34A (160)	QZXM34ADP (480)	19	48
36	—	QXXM36A (240)	QYXM36A (160)	QZXM36ADP (480)	22	53
41	—	QXXM41A (240)	—	QZXM41ADP (480)	22.4	59.4
46	—	QXXM46A (240)	—	QZXM46ADP (480)	24.6	65.5
50	—	—	—	QZXM50ADP (480)	26.9	73.2
55	—	—	—	QZXM55ADP (480)	30.2	81.8
60	—	—	—	QZXM60ADP (480)	33.3	89.7

Value in parentheses is the Maximum Recommended Working Torque, ft-lb

Ratcheting Flare Nut Heads, 12-Point, inches



RTWH104YSL

Center of fastener to retaining pin:


- RTWH "J" Series – 2.50"
- RTWH "Y" Series – 3.00"

in	J (0.425")	Y (0.560")
3/8	—	RTWH24YSL
7/16	RTWH28JSL	—
1/2	RTWH32JSL	—
9/16	RTWH36JSL	—
5/8	—	RTWH40YSL
5/8	RTWH40JSL	—
11/16	—	RTWH44YSL
11/16	RTWH44JSL	—
3/4	—	RTWH48YSL
3/4	RTWH48JSL	—
13/16	—	RTWH52YSL
13/16	RTWH52JSL	—
7/8	—	RTWH56YSL
7/8	RTWH56JSL	—
15/16	—	RTWH60YSL
1	—	RTWH64YSL
1-1/16	—	RTWH68YSL
1-1/8	—	RTWH72YSL
1-1/4	—	RTWH80YSL
1-3/8	—	RTWH88YSL
1-5/8	—	RTWH104YSL
1-1/2	—	RTWH96YSL

INTERCHANGEABLE HEADS

TORQUE

Flare Nut Heads, 6-Point, inches

	J (0.425")	Y (0.560")	O.D., inches	Head Depth, inches
5/16	QJRXS10A (17)	—	21/32	9/32
3/8	QJRXS12A (29)	—	3/4	5/16
7/16	QJRXS14A (42)	—	27/32	11/32
1/2	QJRXS16A (54)	—	29/32	3/8
9/16	QJRXS18A (60)	—	1	13/32
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 (60)	QYRXS30A (146)	1-1/2	19/32
1	QJRXS32A (60)	QYRXS32A (158)	1-9/16	5/8
1-1/8	—	QYRXS36A (160)	1-3/4	11/16

Value in parentheses is the Maximum Recommended Torque, ft-lb



QJRXS10A

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, 6-Point, mm

	J (0.425")	Y (0.560")	O.D., mm	Head Depth, mm
8	QJRXSM8A (17)	—	17	7
10	QJRXSM10A (33)	—	20	8
11	QJRXSM11A (42)	—	21	9
12	QJRXSM12A (50)	—	22	9
13	QJRXSM13A (58)	QYRXSM13A (58)	24	9
14	QJRXSM14A (60)	—	25	10
15	QJRXSM15A (60)	QYRXSM15A (71)	26	10
16	QJRXSM16A (60)	QYRXSM16A (75)	29	11
17	QJRXSM17A (60)	QYRXSM17A (83)	29	11
18	—	QYRXSM18A (94)	30	12
19	QJRXSM19A (60)	QYRXSM19A (104)	32	12
20	QJRXSM20A (60)	QYRXSM20A (113)	33	13

Value in parentheses is the Maximum Recommended Torque, ft-lb




QJRXSM8A

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

	Y (0.560")	Head O.D., inches	Head Depth, inches
5/8	QYRX20A (79)	1-1/16	15/32
11/16	QYRX22A (92)	1-7/32	1/2
3/4	QYRX24A (104)	1-1/4	17/32
13/16	QYRX26A (117)	1-9/32	9/16
7/8	QYRX28A (133)	1-13/32	1-3/16
15/16	QYRX30A (146)	1-1/2	5/8
1	QYRX32A (158)	1-7/32	23/32
1-1/16	QYRX34A (160)	1-5/8	23/32
1-1/8	QYRX36A (160)	1-23/32	3/4
1-3/16	QYRX38A (160)	1-13/16	7/8
1-1/4	QYRX40A (160)	1-27/32	23/32
1-3/8	QYRX44A (160)	2	15/16
1-1/2	QYRX48A (160)	2-5/32	27/32
1-5/8	QYRX52A (160)	2-11/32	1

Value in parentheses is the Maximum Recommended Torque, ft-lb



QYRX20A

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"



- Do not exceed rated torque; use only moderate force on flare nut wrenches.
- Do not use to break fasteners loose.
- Read Safety Precautions on pages W1-W4

GEARED HEAD MULTIPLIERS



Manual Torque Multipliers

- Ideal for use in the oil and gas industry, mining, railroad, heavy fleet, power gen and aviation
- Compact dimensions allow excellent access and easy handling
- Maximum torque output range from 730–25,000 ft-lb (MTMP25000)
- Anti-Wind-Up Ratchet (AWUR) fitted as standard, except for MTMB740, MTMB950 and MTMB1990; keeps the multiplier loaded for easier operation
- MTMC units are calibrated to give exact multiplication ratio, and each MTMC unit is issued with unique Certificate of Calibration
- True torque multiplication, accuracy guaranteed better than $\pm 4\%$
- A variety of alternative reaction fixtures are available

Specifications	MTMC730	MTMB740	MTMB950	MTMP14700	MTMC1475	MTMB1990
Reaction Type	Interchangeable	Bar and Cranked	Bar and Cranked	Plate	Interchangeable	Bar and Cranked
Torque Ratio	22:1	5:1	5:1	125:1	27:1	5:1
Certification	Yes	No	No	No	Yes	No
Anti-Wind-Up	Yes	No	No	Yes	Yes	125:1
Torque Output, Minimum ft-lb	74	74	96	1470	147	200
Torque Output, Maximum ft-lb	730	740	950	14,700	1,475	1,990
Torque Output, Minimum N•m	100	100	130	2,000	200	270
Torque Output, Maximum N•m	1,000	1,000	1,300	20,000	2,000	2,700
Input Drive Female Square, inches	3/8	1/2	1/2	1/2	1/2	3/4
Output Drive Male Square, inches	3/4	3/4	3/4	2-1/2	1	1

Specifications	MTMB2200	MTMP25000	MTMC2950	MTMB3300	MTMP4400	MTMC5100	MTMP7000
Reaction Type	Bar	Plate	Interchangeable	Bar	Plate	Interchangeable	Plate
Torque Ratio	15.5:1	87.5:1	25:1	28:1	25:1	25:1	135:1
Certification	No	No	Yes	No	No	Yes	No
Anti-Wind-Up	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Torque Output, Minimum ft-lb	220	2,500	295	330	450	516	700
Torque Output, Maximum ft-lb	2,200	25,000	2,950	3,300	4,400	5,100	7,000
Torque Output, Minimum N•m	300	3,400	400	450	610	700	950
Torque Output, Maximum N•m	3,000	34,000	4,000	4,300	6,000	7,000	9,500
Input Drive Female Square, inches	1/2	3/4	1/2	1/2	1/2	1/2	1/2
Output Drive Male Square, inches	1	2-1/2	1	1	1-1/2	1-1/2	1-1/2

TORQUE TESTERS

Electronic Torque Testers

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.

- Includes Track and Peak modes
- Can be used with nonimpacting 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 9 V)
- Charger included

- Integral transducer and sturdy housing allow mounting in virtually any position
- Integral Transducer: Full bridge strain gauge, 350 ohms, 1,500 μE , 3 mV/V F.S., 7.5 V excitation
- Unique neck design allows operator to see display when testing long torque wrenches
- Accuracy: $\pm 0.5\%$ of reading ± 1 count in the least significant digit (10–100% of full range) at 25 °C
- Display Accuracy: four digits, 9,999 counts
- Stability: $\pm 0.044\%$ per °C



Stock No.	Square Drive, inches	Range English	Range, N•m
GC1ETT10	1/4	10–100 in-oz	7.0–70.8
GC1ETT100	1/4	10–100 in-lb	11.3–113
GC1ETT400	1/4	40–400 in-oz	28–280
GC1ETT50	1/4	5–50 in-lb	5.6–56
GC2ETT1000	3/8	100–1,000 in-lb	113–1,130
GC2ETT250	3/8	25–250 in-lb	28–280
GC3ETT250	1/2	25–250	34–339
GC4ETT600	3/4	60–600	81–813

The certification of accuracy provided per ASME[®] and ISO[®] Standards is 10–100% of full scale.

Digital Torque Testers (DTT Series)

- Can be mounted on a wall or in a bench-top vise
- Features an easy-to-use touchscreen to capture peak torque values during a test in real time
- Download stored torque data to a PC
- 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, plus add traceability by using wrench serial numbers and technician I.D.
- Choose wrench type
- ±0.5% of indicated test value from 10–100% or rated capacity
- Memory Capacity: 500 records (complete check mode only)
- Includes AC/DC power supply, (6) AA alkaline batteries, USB cable and carrying case
- Highly accurate scale (±0.5% ±1 count 10–100% CW and CCW of indicated test value @ 25 °C)
- Ability to customize between units of measure (N•m, kg-cm, ft-lb, in-lb, in-oz), operation modes (Track, Peak, First Peak) and wrench type
- Operating temperature (10–32 °C / 50–90 °F)
- Refresh rate of 1,000 data Points Per Second
- CSA/UL Requirements: Power supply listed under UL (C and US); 100–240V/ 50–60 Hz, 6 A input and 9 V/1.66 A output
- Includes a Certificate of Calibration



QC3DTT250

Stock No.	Description
DTS8269	AC Adaptor
2344-0050-03	Table Mounting Bracket For DTT Testers
DTS95095	Power Cord, UK
DTS95096	Power Cord, Australia
DTS95097	Power Cord, EU

NOTE: Must order the adaptor and appropriate power cord.

Specifications	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	31.9–338.9
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
Operating Modes	TRACK, PEAK, FIRST PEAK	TRACK, PEAK, FIRST PEAK
Operating Temperature	32–122 °F (0–50 °C)	32–122 °F (0–50 °C)
Humidity	85% Relative Humidity @ 21 °C (70 °F)	85% Relative Humidity @ 21 °C (70 °F)
Power Supply	Included 9 V AC/DC Adaptor, (6) AA Batteries Included	Included 9 V 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)

NOTE: Must order the adaptor and appropriate power cord.



TBT100A

TBT600A

Horizontal Torque Testers and Transducers

- Includes (3) transducers
- Full digital display
- Covers ft-lb, in-lb, in-oz, N•m, kg-m, kg-cm scales
- Peak hold and first peak hold capability
- NIST® traceable

Stock No.	Description	Range	Resolution
TBT100A	Transducer	5–800	.01 ft-lb, 1 in-lb, 2 in-oz, .01 N•m, .001 kg-m, 1 kg-cm
TBT16A	Transducer	7.5–200 in-lb	.002 ft-lb, .02 in-lb, .002 N•m, .0002 kg-m, .02 kg-cm
TBT600A	Transducer	30–600 ft-lb	.05 ft-lb, 5 in-lb, 10 in-oz, 1 N•m, .01 kg-m, 1 kg-cm
TBT600A	Horizontal Torque Tester	5–800	—



- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- Read Safety Precautions on pages W1–W4.

VERSATORQ® 2 TORQUE METERING AND DATA ACQUISITION SYSTEM

Versatorq® 2 System Torque Acquisition Meters

The Snap-on® Versatorq® 2 portable ATEX®/UL® certified electronic torque analyzer displays torque readings from sensors that attach between sockets and the driver. This highly versatile torque analyzer and data acquisition system can be used with various sockets, extensions, universal joints, and ratcheting drivers. Sensors, purchased separately, are available in eight ranges from 2–20 in-oz to 150–1,500 ft-lb and provide readings with an accuracy of 1% or 2% (dependent on the transducer).

Now "intrinsically safe" for use in hazardous environments (ATEX, UL®, ULC, CE compliant).

- Ideal for applying torque (CW and CCW) in confined spaces with tight access and jobs requiring repetitive torque applications
- Accuracy rating $\pm 1\%$ of reading (10–100% of sensor range). $\pm 2\%$ with VERSA1S10A and VERSA1S20A
- Track mode displays applied torque value and Peak mode displays highest torque value
- Non-volatile flash memory retains data for 10 years or more

- Plug-and-play mini USB for easy data download; no client software needed
- Customer calibration supports ASME® and ISO®
- Includes carrying case (PB57A), mini USB cable (USBATOMINIB), belt clip (276-61) and batteries
- Versatorq® 2 sensors (sold separately) enable accurate torque application using a standard ratchet or breaker bar of any length, with data readout and storage on the cable-connected Versatorq® 2 meter
- Versatorq® 2 sensors available from 2 in-oz up to 1,500 ft-lb with readings in seven popular measurement scales



VERSATORQ2



Versatorq® 2 System Torque Acquisition Meters

Specifications	VERSATORQ2
Display	4 Digit with Alpha and Numerical Function Flags
Display Capacity*	4 Digits
Accuracy	$\pm 1\%$ of Reading (10–100% of Sensor Range) ($\pm 2\%$ with VERSA1S10A and VERSA1S20A Sensors)
Units of Measure	in-oz, in-lb, ft-lb, n•m, cN•m, kg•cm, kg•m
Operating Temperature	40–110 °F (23–42 °C)
Storage Temperature	-2–122 °F (-20–22 °C)
Humidity	Up to 90% Non-Condensing
Dimensions	3" W x 2-1/2" D x 6" L

*Versatorq® display ignores torque input less than .5% of full scale in Track mode and 2.0% of full scale in Peak mode. Hazardous Location Designator: Class 1, Zone 2, Ex ic IIA, Temperature Class: T8

VERSATORQ2 Versatorq® 2 System

- Includes carrying case (PB57A), mini USB cable (USBATOMINIB), belt clip (276-61) and batteries
- Sensors sold separately

Versatorq® 2 Sensors

Stock No.	Square Drive, inches	Range	Sensor Diameter, inches	Sensor Length, inches	Cable Length, inches (mm)
VERSA1S10A*	1/4	1–10 in-lb	.7	2.9	48 (1,219)
VERSA1S20A*	1/4	2–20 in-oz	.5	2.9	48 (1,219)
VERSA1S200A	1/4	20–200 in-lb	.9	2.1	48 (1,219)
VERSA1S50A	1/4	5–50 in-lb	.9	2.1	48 (1,219)
VERSA2S100A	3/8	10–100	1.2	2.4	48 (1,219)
VERSA3S250A	1/2	25–250 ft-lb	1.4	2.6	48 (1,219)
VERSA4S600A	3/4	60–600 ft-lb	2.0	3.9	96 (2,438)
VERSA5S1500A**	1	150–1,500 ft-lb	2.4	4.4	92 (2,336)

*Knurled handles allow for fingertip control. Heavy-duty coiled cord with four-pin MS-style connector. Original Versatorq® Sensors (without "A" suffix in the stock number) are compatible with the VERSATORQ2 meter, but the sensors require calibration.

Heavy-duty coiled cord with four-pin MS-style connector. Original Versatorq® Sensors (without "A" suffix in the stock number) are compatible with the VERSATORQ2 meter, but the sensors require calibration.

**Diameter does not include side-mounted connector. Heavy-duty coiled cord with four-pin MS-style connector. Original Versatorq® Sensors (without "A" suffix in the stock number) are compatible with the VERSATORQ2 meter, but the sensors require calibration.



VERSA2S100A



VERSACABLE2

Versatorq® 1 System Accessories

Stock No.	Description
VERSACABLE	RS232 Serial Printer Cable
VERSACABLE2	PC Interface Cable

Please reference the VERSATORQ® 2 instruction manual for the sensor ranges and resolutions in different units of torque measurement.

VERSATEST™ ELECTRONIC TORQUE TESTER & CALIBRATOR



VERSATEST



VERSATEST600

Versatest™

The Versatest™ indicator is a laboratory-grade monitor designed for precise, in-house torque wrench testing and calibration. High-precision torque transducers provide system readings with an accuracy of $\pm 0.25\%$ of indicated value. Twelve transducers are available in ranges from 5 in-oz to 2,000 ft-lb. The 4-in-1 Transducer, with a range of 5 in-lb to 250 ft-lb is also available.

All transducers feature a built-in memory chip that identifies the transducer and maintains the calibration. Setup and calibration programming is entered via soft touch keys. The Versatest™ can store and recall up to 3,000 torque readings. Torque readings stored in memory can be downloaded to a computer with optional download cable and software.

Specifications	VERSATEST
Description	Electronic Torque Tester/Calibrator
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
Power Supply	Auto Switching 100-240 VAC, 50/60 Hz, 50 watts
Statistical Analysis	Max, Min, Range, Mean, Sigma N, Sigma, Cp, Cpk, % Error, -NoGo, +NoGo
Accuracy	$\pm 0.25\%$ of reading at 25 °C (with TTC Transducer calibration)
Modes	Track, Peak Hold, First Peak, Power Tool
Storage Temperature Range	-20-50 °C (-2-122 °F)
Select Keys	Increment, Decrement, Shift Left, Shift Right, Enter
Temperature Drift Percentage	+0.03 °C (+0.017 °F)
Sample Rate	2,000 samples per second
Analog Output	+ (CW) / - (CCW) 1.8 V at Transducer Full Range Linearity, $\pm 1\%$ of Reading
Printer/Computer Serial Output Port	RS232 (True), 300-19.2K Baud
Histogram	Lower Set Limit, Upper Set Limit, 10 Divisions

Versatest™

VERSATEST Electronic Torque Tester/Calibrator

- Large LCD display
- Accuracy: $\pm 0.25\%$ of indicated value, CW and CCW, from 10-100% of full scale
- Two RS232C serial ports; for use with a printer and PC
- Data storage /recall (with date/time stamp) up to 3,000 readings
- Real-time clock
- Seven Torque Units: ft-lb, in-lb, in-oz, N•m, dN•m, kgm, kg-cm
- Will also load torque screwdrivers
- Smart Plug-and-Play transducers
- Analog output connect to oscilloscope or X-Y plotter
- External Printer can be mounted on top of the Versatest™ unit
- Four Modes: Track, Peak Hold, First Peak, Power Tool
- Transducers available from 5 in-oz to 2,000 ft-lb
- Statistic Process Control (SPC) built in
- Automatic or manual downloading

- All transducers are individually serialized with Certificate of Calibration traceable to NIST®
- Five Languages: English, Spanish, French, Japanese, German
- CE Conformity

VERSATEST600 Versatest™ Complete Electronic Torque Calibration System

- Provides high-speed monitoring of static and dynamic torque inputs
 - Includes the Versatest™ Digital Monitor, VERSA600LDR2 600 ft-lb Mechanical Loader, TTC400 4-in-1 Transducer, TTC5000-1 Bracket and TTC12 3/4" 600 ft-lb Transducer
- #### VERSA600LDR2 Versatest™ Mechanical Torque Loader
- Unit will load dial, micrometer, beam and electronic torque wrenches
 - Maximum capacity of 600 ft-lb
 - Use with any TTC series transducer from 15 in-oz to 600 ft-lb



- Do not exceed rated torque.
- Periodic recalibration is needed to maintain accuracy.
- Read Safety Precautions on pages W1-W4

ELECTRONIC TORQUE TESTER AND CALIBRATOR

Electronic Torque Tester and Calibrator

TTC2000 Master Torque Calibration System (Manual)

The system tests and calibrates most click-type, digital, dial torque wrenches as well as torque screwdrivers. Twelve transducers are available in ranges from 5 in-oz to 2,000 ft-lb. Also available is the 4-in-1 Transducer, with a range of 4 in-lb to 250 ft-lb. All transducers feature a built-in memory chip that identifies the transducer and maintains the calibration. Set up and calibration programming is entered via soft touch keys. The TTC2000 can store and recall up to 3,000 torque readings. Torque readings stored in memory can be downloaded to a computer with optional download cable and software. Optional kits are available to calibrate cable tensionmeters, tension and compression gauges and non-impact power tools.

TTC2800/TTC2822 Master Torque Calibration System (Motorized)

The TTC2800 has the same features as the TTC2000 series except for the following enhanced features:

- Electric motor powered crank for easy calibration
- Is offered in 110 V version (TTC2800/Complete TTC2800SYS or 220 V version (TTC2822/Complete system TTC2822SYS)

TTC2000SYS Complete Master Torque Calibration System (Manual) includes: TTC610 Digital Monitor, TTC600 2000 ft-lb Mechanical Loader, SM0773PU Tool Cabinet w/ Casters, TTC400 4-in-1 Transducer, TTC5000-1 Bracket, TTC12 3/4" 600 ft-lb Transducer, TTC14 1" 2000 ft-lb Transducer, TTC5500-1 Extension Arm, 2000-SW WedgeLink Software, TTC503 Download Cable.

TTC2800SYS Complete Master Torque Calibration System (Motorized) includes: TTC2800 Monitor, Loader and Tool Cabinet w/ Casters, TTC400 4-in-1 Transducer, TTC5000-1 Bracket, TTC12 3/4" 600 ft-lb Transducer, TTC14 1" 2,000 ft-lb Transducers, TTC5500-1 Extension Arm, 2000-SW WedgeLink Software, TTC503 Download Cable



TTC2000SYS



TTC2800SYS

Features

- Accuracy: $\pm 0.25\%$ of indicated value, CW and CCW, from 10–100% of full scale
- Units of Torque: ft-lb, in-lb, in-oz, N*m, dN*m, Kg-m, Kg-cm
- Units of Force: lbf, ozf, n, dN, kp, gg
- Four Modes: TRACK, PEAK HOLD, FIRST PEAK, POWER TOOL
- Includes built-in low-profile serial printer
- Transducers available from 5 in-oz to 2,000 ft-lb
- Loader hand crank maximum input torque is 8 ft-lbs, maximum output is 2,000 ft-lb
- All transducers are individually serialized with certificates of calibration traceable to N.I.S.T.
- Programmable automatic or manual options for CLEAR, STORE or SEND
- RS232 serial port for downloading data to PC
- Operating Temperature: 10–32 °C (50–90 °F)
- Automatic lockup in the event of transducer overload
- Data storage/recall (with date/time stamp) up to 3,000 readings
- Dual Voltage: 110 V or 220 V • Real Time Clock
- Smart "Plug and Play" transducers
- NIST® traceable

Specifications	TTC2000SYS	TTC2800SYS
Accuracy	$\pm 0.25\%$ of reading at 25 °C (with TTC Transducer calibration)	$\pm 0.25\%$ of reading at 25 °C (with TTC Transducer calibration)
Maximum Range Display	2-line x 16 character 5 x 8 dot-matrix LCD used for MAX. Transducer range, Units, Calibration, Date/Time, Statistics, Torque/Force or Torque Limits Set, Data Store/Recall, Printer Set Up	2-line x 16 character 5 x 8 dot-matrix LCD used for MAX. Transducer range, Units, Calibration, Date/Time, Statistics, Torque/Force or Torque Limits Set, Data Store/Recall, Printer Set Up
Modes	Track, Peak Hold, First Peak, Power Tool	Track, Peak Hold, First Peak, Power Tool
Motorized Loader Modes	—	Manual, Auto Dial, Auto Click
Motorized Loader Power Supply	—	120 V AC $\pm 10\%$ Hz @ 3.14 A (including motor current); (optional step-down transformer for 240 V AC operation)
Power Supply	UL Approved, 120 VAC/220 VAC, 50/60 Hz	120 VAC $\pm 10\%$, 50/60 Hz @ 3.14 A (including motor current); (includes stepdown transformer for 240 VAC operation.)
Operating Temperature Range	10–32 °C (50–90 °F)	10–32 °C (50–90 °F)
Printer/Computer Serial Output Port	RS232 (True), 300–19.2K Baud	RS232 (True), 300–19.2K Baud
Statistical Analysis	Max, Min, Range, Mean, SigmaN, Sigma, Cp, Cpk, % Error, -NoGo, +NoGo	Max, Min, Range, Mean, SigmaN, Sigma, Cp, Cpk, % Error, -NoGo, +NoGo
Temperature Drift Percentage	+0.03 °C (+0.017 °F)	+0.03 °C (+0.017 °F)
Torque/Force Display	Eight digit, alpha-numeric, super bright red LED, 0.55 inch character height	Eight digit, alpha-numeric, super bright red LED, 0.55 inch character height
Storage Temperature Range	-20–50 °C (-2–122 °F)	-20–50 °C (-2–122 °F)
Type	TTC2000 Manual Loader System	TTC2800SYS Motorized Control System
Analog Output	+ (CW) (-CCW) 1.8 V at Transducer Full Range Linearity, $\pm 1\%$ of reading	+ (CW) (-CCW) 1.8 V at Transducer Full Range Linearity, $\pm 1\%$ of reading
Units Of Measure	TORQUE: lbf, in-lb, in-oz, N*m, dN*m, kg*cm and kg*cm; FORCE: lbf, ozf, N, dN, kp and gf	TORQUE: lbf, in-lb, in-oz, N*m, dN*m, kg*cm and kg*cm; FORCE: lbf, ozf, N, dN, kp and gf
Capacity, digits (counts) (bit A/D)	8 ($\pm 32,000$) (16)	8 ($\pm 32,000$) (16)
Computer Serial Com Port	RS232 (True), 300–19.2K Baud (Optional)	RS232 (True), 300–19.2K Baud (Optional)
Data Storage/Recall	3,000 Measurements	3,000 Measurements
Histogram	Lower Set Limit, Upper Set Limit, 10 Divisions	Lower Set Limit, Upper Set Limit, 10 Divisions
Humidity	Up to 95% Non-Condensing	Up to 95% Non-Condensing
Loader Control Relays	Two, Normally Open, Form A, Rated 12 DVC @ 1/2 A close contact at 110% CW or CCW or torque/force transducer range	Two, Normally Open, Form A, Rated 12 DVC @ 1/2 A 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	Input torque 8 ft-lb Maximum, Output Torque 2,000 ft-lb Maximum

Total Uncertainty: Add 7.5–100% of Range and 8–100% of Range
Training programs are available by location (PIN STRN01 to STRN07)

ELECTRONIC TORQUE TESTER AND CALIBRATOR



TTC2000

Electronic Torque Tester and Calibrator

TTC2000 Electronic Torque Tester/Calibrator

- Automatic sensor recognition with TTC series "Smart" transducers
- Range: 15 in-oz–2,000 ft-lb (bidirectional)
- Total uncertainty (10–100% of range): $\pm 0.25\%$ 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 lock-up for transducer protection
- NIST[®] traceable



TTC2800SYS

TTC2800SYS Motorized Torque Tester/Calibrator

- Front Panel Function Keys: SELECT Torque/Force; MODE, UNIT; ZERO TARE; CALIBRATION; DATE/TIME; SET HIGH; SET LOW; STORE DATA; RECALL DATA; STATISTICS; SEND/AUTO SEND; AUTO CLEAR; MANUAL CLEAR; ENTER; VALUE increment; VALUE decrement; DIGIT left; DIGIT right
- Model TTC2800SYS includes: TTC2800 TTC Monitor, Motorized Loader, and Cabinet, TTC400 4-in-1 Transducer Kit (4 in-lb–250 ft-lb), TTC5000-1 4-in-1 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 and 2000-50-3 Download Cable
- NIST[®] traceable

TTC2000SYS Electronic Manual Torque Tester/Calibrator

- TTC2000SYS includes: TTC2000 Monitor, Mechanical Loader and Cabinet, TTC400 4-in-1 Transducer Kit (4 in-lb–250 ft-lb), TTC12 Transducer Kit (60–600 ft-lb), TTC14 Transducer Kit (200–2,000 ft-lb), TTC5500-1 Extension Arm, TTC5000-1 4-in-1 Transducer Bracket, 2000-SW WedgeLink Software and 2000-50-3 Download Cable
- NIST[®] traceable

TTC2800-220V Motorized Torque Tester/Calibrator (220 V AC)

- Front Panel Function Keys: SELECT Torque/Force; MODE, UNIT; ZERO TARE; CALIBRATION; DATE/TIME; SET HIGH; SET LOW; STORE DATA; RECALL DATA; STATISTICS; SEND/AUTO SEND; AUTO CLEAR; MANUAL CLEAR; ENTER; VALUE increment; VALUE decrement; DIGIT left; DIGIT right
- NIST[®] traceable

TTC280220V Motorized Torque Tester/Calibrator (220 V AC)

- Front Panel Function Keys: SELECT Torque/Force; MODE, UNIT; ZERO TARE; CALIBRATION; DATE/TIME; SET HIGH; SET LOW; STORE DATA; RECALL DATA; STATISTICS; SEND/AUTO SEND; AUTO CLEAR; MANUAL CLEAR; ENTER; VALUE increment; VALUE decrement; DIGIT left; DIGIT right
- NIST[®] traceable



TTC610



TTC810

TTC610 Digital Indicator

- For electronic torque tester and calibrator

TTC810 Digital Indicator

TTC600 Loader

TTC800 Motorized Loader

TTC503 USB Download Cable for SureTest and TTC systems



- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain and assure torque tester accuracy.
- Read Safety Precautions on pages W1-W4.

ELECTRONIC TORQUE TESTER AND CALIBRATOR



Transducers

All TTC series transducers include the correct adaptor for the indicated torque range.

Stock No.	Description	Range	Bench Top Mounting Bracket
TTC4***	1/4" Drive Transducer	5-50 in-oz	TTC3421
TTC5	1/4" Drive Transducer	15-200 in-oz	TTC3421
TTC6	1/4" Drive Transducer	4-50 in-lb	TTC3421
TTC65	1/4" Drive Transducer	15-150 in-lb	TTC3421
TTC7	3/8" Drive Transducer	30-400 in-lb	TTC3421
TTC8	3/8" Drive Transducer	80-1,800 in-lb	TTC3421
TTC10	1/2" Drive Transducer	10-125 ft-lb	TTC3422
TTC11	1/2" Drive Transducer	20-250 ft-lb	TTC3422
TTC12	3/4" Drive Transducer	80-800 ft-lb	TTC3422
TTC13	1" Drive Transducer	100-1,000 ft-lb	TTC15002
TTC14	1" Drive Transducer	200-2,000 ft-lb	TTC15002
TTC400**	1/4", 3/8" and 1/2" Drive 4-in-1 Transducer	4 in-lb-250 ft-lb	N/A
TTC34325	4-in-1 Table Mounting Bracket	-	-
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 VERSA600LDR2. Total Uncertainty: Add 7.5-100% of Range and 8-100% of Range (to some transducers).

**Required for TTC400 4-in-1 Torque Transducer to be used on TTC600/TTC800 loaders.

Total Uncertainty: Add 7.5-100% of Range and 8-100% of Range (to some transducers).

***Accuracy is +/- 0.5% of indicated test value from 10-100% of indicated torque value.

Total Uncertainty: Add 7.5-100% of Range and 8-100% of Range (to some transducers).



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

Force testing feature can only be used with single transducers and CANNOT be used with the TTC400 4-in-1 multi transducer.

TTCALKIT 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

Accessories

TTC900121 Smart Cable Replacement

ELECTRONIC TORQUE TESTER AND CALIBRATOR

TORQUE

Joint Rate Simulator Adaptors

- Use with torque tester when testing nonimpacting 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



QC1JRS50

Stock No.	Adaptor Bit	Capacity, in-lb	Load Screw	Square Drive, inches
QC1JRS50	1/4" Hex x 3/16" Hex	50	1/4" x 28 x 1	1/4
QC2JRS1000	3/8" Square Internal x 1/2" Hex	1,000	5/8" x 18 x 1.5	3/8
QC2JRS400	3/8" Square Internal x 3/8" Hex	400	7/16" x 20 x 1.5	3/8

Weight Sets

Used to calibrate any TTC Series transducer. All weights are NIST® (NBS) traceable.

Stock No.	Description
TTC3200	No. 1 Weight Set (for all transducers)
TTC3210	No. 2 Weight Set (200 in-oz-600 ft-lb)
TTC3220	No. 3 Weight Set (600-2,000 ft-lb)



390-2-2

Weight Hangers/Trays

Used to calibrate any TTC series transducer. Weight trays are certified as to weight.

Stock No.	Description
390-2-2	Weight Hanger (4 oz)
TTC301	Weight Hanger (1/2 lb)
TTC3020	Weight Tray (15 lb)
TTC3030	Weight Tray (50 lb)
TTC3040	Weight Tray (7.5 lb)

TORQUE COMPARATORS

Accessories

Stock No.	Description
TTC75002	Torque Screwdriver Testing Kit (for 2800 and 2000 Series Systems)
TTC75006	Torque Screwdriver Testing Kit (for VERSATEST600 Loader Systems)
2000-150-03	Transducer Mount (00-600 ft-lb to 250-2,000 ft-lb)
TTC3421	Transducer Mount (5-50 in-oz to 80-1,000 in-lb)
TTC3422	Transducer Mount (10-125 ft-lb to 60-600 ft-lb)
TTC5500-1	Extension Arm (For 2000 and 2800 Series Loaders)
TTC25002	Complete Calibration Stand Kit (including Adaptors)
TTC501	PC Cable
260-27	1/4" Hex x 1/4" Square Socket Adaptor
342-40	Female 1/4" Square x 1/4" Square Socket Adaptor
342-41-1	Female 1/4" Square x 3/8" Square Socket Adaptor
342-41-2	Female 3/8" Square x 3/8" Square Socket Adaptor
65-26-2	Female 1/2" Square x 3/8" Square Socket Adaptor
65-78-1	Female 1/2" Square x 3/4" Square Socket Adaptor
65-78-2	Female 3/4" Square x 3/4" Square Socket Adaptor
75-20	Female 1" Square x 1" Square Socket Adaptor
75-25-1	Female 1" Square x 3/4" Square Socket Adaptor
2000-0154-18	1-1/4" Male x 3/4" Female Square Drive Reducer
2000-152-3	1/2" Male x 3/8" Female Square Drive Reducer
2000-226-2	1" Male x 3/4" Female Square Drive Reducer
2000-226-3	3/4" Male x 1/2" Female Square Drive Reducer
TTC500	2-1/2" Calibration Wheel (max 50 in-oz)
TTC1510	5" Calibration Wheel (max 150 in-lb)
TTC1520	10" Butterfly Wheel (max 250 ft-lb)
TTC1530	1/2" and 3/8" Drive 20" Calibration Arm
TTC1540	1-1/4" Drive 40" Calibration Arm



2000-150-03

TTC25002



260-27



2000-0154-18



TTC1540



- Do not exceed rated torque.
- Periodic recalibration is needed to maintain and assure torque tester accuracy.
- Read Safety Precautions on pages W1-W6.

TORQUE COMPARATORS



QC0TC3250



TCR175C



TCR600C

Torque Digital Checker

**QC0TC3250 Electronic Torque Digital Checker—
1/2 and 3/8" (25–250 ft-lb)**

- Easy method to check a 1/2 or 3/8" drive torque wrench
- Highly Accurate: $\pm 1\%$ CW and $\pm 1\%$ CCW of indicated value
- Large, easy-to-read backlit LCD screen
- Three measurement modes: ft-lb, in-lb, N•m
- Three primary torque checking modes—Track, Peak Hold, First Peak
- Integrated exercise adaptor on mounting plate to "break in" mechanical torque wrenches before testing
- Includes GAF2A 3/8" adaptor with storage pocket for convenience when testing 3/8" drive torque wrenches
- Integrated exercise adaptor on mounting plate (allows user to break-in for accurate results per ASME® B107-300 standard)
- Battery powered by 3 AA alkaline batteries—optional AC adaptor available (DTS8269)
- Adjustable shut-off feature
- CE approved
- Includes Certificate of Calibration

**TCR175C Torque Comparator
(Certificate of Calibration)**

- 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 $\pm 2\%$ 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

**TCR600C Torque Comparator
(Certificate of Calibration)**

- 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



WTE4672L9

PTM1000

Pneumatic Torque Wrenches

PTM Features:

- Twin motor technology allows the PTM to be both lightweight and fast
- Compact and powerful, allowing excellent access to a variety of treaded fasteners
- The secondary trigger ensures hands are away from pinch points during operation
- Run-down speeds up to 224 RPM (for PTM370)
- A wide variety of reaction fixtures are available, making this an extremely versatile tool
- These are nonimpacting tools with low vibration levels
- Operate at noise levels below 85 dB (under load)
- Gearbox rotates independently from the handle so reaction forces are never transferred back to the operator
- All tools are supplied with a Certificate of Calibration and torque vs. pressure chart
- PTM Series offers a wide range of torque output, from 74–4,500 ft-lb
- Accuracy of $\pm 5\%$
- Includes case, cranked reaction fixture, tool hanger, secondary handle and male quick connect

Stock No.	Description	Square Drive Size	Torque Range (ft-lb)	Torque Range (N•m)
PTM370	Pneumatic Torque Wrench	3/4	74–370	100–500
PTM590	Pneumatic Torque Wrench	3/4	118–590	160–800
PTM740	Pneumatic Torque Wrench	3/4	147–740	200–1,000
PTM1000	Pneumatic Torque Wrench	1	200–1,000	270–1,350
PTM1475	Pneumatic Torque Wrench	1	295–1,475	400–2,000
PTM1990	Pneumatic Torque Wrench	1	400–1,990	540–2700
PTM2950	Pneumatic Torque Wrench	1-1/2	500–2,950	800–4,000
PTM3300	Pneumatic Torque Wrench	1-1/2	660–3,300	900–4,500
PTM4400	Pneumatic Torque Wrench	1-1/2	885–4,425	1200–6,000
WTE4072L9	9" Wheel Torque Extension (for PTM740)	1	1,000 (1,350)	—



Pneumatic Torque Wrench Wheel Torque Accessories

• Wheel extension and cup combine to create a reaction point when torquing lug nuts on trucks and heavy equipment

Stock No.	Description	Use with Snap-on Sockets
PTQ1WTCPBWD1	Deep well cup to fit 13/16" Budd wheel studs	BW626A, BWD482
PTQ1WTCPBWD2	Deep Well Cup to fit 21 mm Budd wheel studs	BWDM412
PTQ1WTCUPD30	Deep Well Cup to fit 30 mm lugs	SIMM302
PTQ1WTCUP342	Standard Cup	IM322A, IM342A
PTQ1WTCUPD35	Deep Well Cup	SIM352, SIM402, SIM422, SIM442, SIMM302, SIMM322, SIMM332, SIMM352
PTQ1WTCUP362	Standard Cup	IM362
PTQ1WTCUPD362	Deep Well Cup	SIM322, SIM342, SIM362
PTQ1WTCUP482	Standard Cup to fit 38 mm and 1-1/2" lugs	IM482, IMM382
PTQ1WTCUP542	Standard Cup	IM502, IM522, IM542
PTQ1WTCUP562	Standard Cup to fit 41 mm and 1-3/4" lugs	IM562, IMM412
PTQ1WTCUPD562	Deep Well Cup to fit 1-7/16" and 1-3/4" lugs	SIM462, SIM482, SIM522, SIM562
WTE4G72L9	8" Wheel Torque Extension (for PTM740)	---

Pneumatic Torque Filter/Regulators

PTMFRL Filter/Regulator Unit

- Filter and lubricator in one unit
- Large pressure gauge allows the operator to easily select the appropriate pressure
- Adjustable lubricator provides the proper amount of lubrication for PTM Series of tools

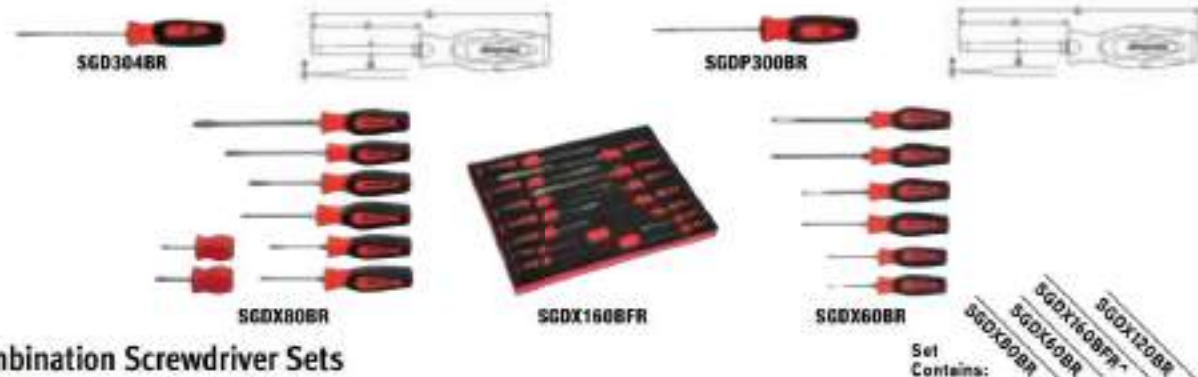


PTMFRL



- Do not exceed rated torques.
- Periodic recalibration is needed to maintain and assure torque meter accuracy.
- Read Safety Precautions on pages W1-W4

COMBINATION SETS INSTINCT



Combination Screwdriver Sets

	Handle	Stock No.	A	B	C	D	Set Contains:		
Flat Tip Standard	Hard	SHD1R†	.040	1/4	1-5/8	3-1/2	*	*	*
	Soft	SGD2BR	.030	7/32	2-15/16	7	*	*	*
	Soft	SGD4BR	.040	1/4	3-13/16	8-7/8	*	*	*
	Soft	SGD6BR	.050	5/16	5-15/16	10-27/32	*	*	*
	Soft	SGD8BR	.055	3/8	7-29/32	13-13/32	*	*	*
PHILLIPS® Standard	Hard	SHDP221RR†	#2	1/4	1-5/8	3-1/2	*	*	*
	Soft	SGDP31RBR	#1	3/16	2-31/32	7-1/8	*	*	*
	Soft	SGDP42RBR	#2	1/4	3-31/32	8-7/8	*	*	*
	Soft	SGDP43RBR	#3	5/16	6	10-7/8	*	*	*
	Soft	SGDP44RBR	#4	3/8	6	11-1/2	*	*	*
Mini Tip/Soft Handle, Chrome	Soft	SGD304BR†	.020	1/8	3	5-7/8	*	*	*
	Soft	SGD306BR†	.030	3/16	3	5-7/8	*	*	*
PHILLIPS® Mini-Tip	Soft	SGDP300BR†	#0	1/8	3	6	*	*	*
	Soft	SGDP301BR†	#1	3/16	3	6	*	*	*

Sets include storage tray
 †Sets shown include foam organizer
 †Does not include hex bolster

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS



Cabinet-Type/Soft Handle, Chrome

	Stock No.	A	B	C	D	Set Contains:		
Flat Tip Cabinet	SGD144BR	.030	3/16	5-13/16	10-1/8	*	*	*
	SGD480BR	.032	1/4	7-15/16	12-3/4	*	*	*
	SGD4120BR	.032	1/4	11-15/16	16-3/4	*	*	*
	SGD4160BR	.032	1/4	15-15/16	20-3/4	*	*	*
PHILLIPS® Cabinet	SGDP61BR	#1	3/16	6	10	*	*	*
	SGDP82BR	#2	1/4	8	13	*	*	*
	SGDP122BR	#2	1/4	12	17	*	*	*
	SGDP162BR	#2	1/4	16	21	*	*	*
Flat Tip Mini-Tip	SGD304BR	.020	1/8	3	5-7/8	*	*	*
	SGD306BR	.030	3/16	3	5-7/8	*	*	*
PHILLIPS® Mini-Tip	SGDP300BR	#0	1/8	3	6	*	*	*
	SGDP301BR	#1	3/16	3	6	*	*	*
Extra-Long	SGD424BR*	.046	1/4	24	28-3/4	*	*	*
	SGDP242BR*	#2	1/4	24	28-3/4	*	*	*

Sets include storage tray *Industrial finish
 Does not include hex bolster

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

HARD HANDLE COMBINATION SETS

SCREWDRIVERS



SHDX80R



SHDX60R



Standard/Hard Handle, Chrome

	Stock No.	A	B	C	D	Set Contains:	
Flat Tip Standard	SHD1R [†]	.040	1/4	1-5/8	3-1/2	•	
	SHD2R	.035	7/32	2-15/16	7	•	•
	SHD4R	.040	1/4	3-15/16	8-7/8	•	•
	SHD6R	.050	5/16	5-15/16	10-27/32	•	•
	SHD8R	.055	3/8	7-29/32	13-13/32	•	
PHILLIPS [®] Standard	SHDP221RR [†]	#2	1/4	1-5/8	3-1/2	•	
	SHDP311RR	#1	3/16	2-31/32	7-1/8	•	•
	SHDP421RR	#2	1/4	3-31/32	8-7/8	•	•
	SHDP631RR	#3	5/16	5-29/32	10-13/16		•

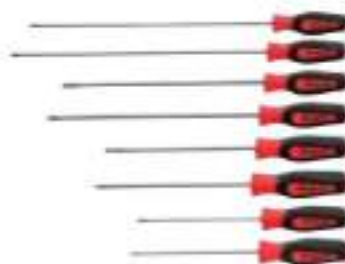
Sets include storage tray
†Does not include hex bolster

Colors Available



R O G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



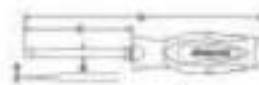
SHDXL80R



SHDX40R



GSHDX80R



Standard/Hard Handle

	Stock No.	A	B	C	D	Set Contains:	
Flat Tip Industrial Finish Shank	GSHD1R [†]	.037	1/4	1-5/8	3-1/2	•	
	GSHD2R	.032	7/32	2-15/16	7	•	
	GSHD4R	.037	1/4	3-15/16	8-7/8	•	
	GSHD6R	.046	5/16	5-15/16	10-27/32	•	
	GSHD8R	.050	3/8	7-29/32	13-13/32	•	
PHILLIPS [®] Tip Industrial Finish Shank	GSHDP221RR [†]	#2	1/4	1-5/8	3-1/2	•	
	GSHDP311RR	#1	3/16	2-31/32	7-1/8	•	
	GSHDP421RR	#2	1/4	3-31/32	8-7/8	•	
Flat Tip Cabinet	SHD146R ^{*†}	.030	3/16	6	10-1/8		•
	SHD480R ^{*†}	.032	1/4	8	12-3/4		•
	SHD4120R ^{*†}	.032	1/4	12	16-3/4		•
	SHD4160R ^{*†}	.032	1/4	16	20-3/4		•
PHILLIPS [®] Tip Cabinet	SHDP61R ^{*†}	#1	3/16	6	10-1/4		•
	SHDP62R ^{*†}	#2	1/4	8	12-7/8		•
	SHDP122R ^{*†}	#2	1/4	12	16-3/4		•
	SHDP162R ^{*†}	#2	1/4	16	20-3/4		•
Flat Tip Mini Tip	SHD304R ^{*†}	.018	1/8	3	5-7/8		•
	SHD306R ^{*†}	.030	3/16	3	5-7/8		•
PHILLIPS [®] Tip Mini Tip	SHDP300R ^{*†}	#0	1/8	3	5-13/16		•
	SHDP301R ^{*†}	#1	3/16	3	5-13/16		•

Sets include storage tray
†Does not include hex bolster

Colors Available



* R O G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



- Do not use screwdrivers as prybars, chisels or punches.
- Read Safety Precautions on pages W1-W4

SOFT HANDLE FLAT TIP  INSTINCT



— Standard/Soft Handle, Chrome

	Stock No.	A	B	C	D	Set Contains:
Soft	SGD2BR	.035	7/32	2-15/16	7	•
	SGD4BR	.040	1/4	3-15/16	8-7/8	•
	SGD6BR	.050	5/16	5-15/16	10-27/32	•
	SGD8BR	.055	3/8	7-29/32	13-13/32	
	SGD10BR	.055	3/8	10	15-7/16	
Flat Tip Cabinet	SGD146BR†	.030	3/16	5-13/16	10-1/8	
	SGD480BR†	.032	1/4	7-15/16	12-3/4	
	SGD1410BR†	.032	3/16	10	14-5/32	
	SGD1416BR†	.032	3/16	16	20-5/32	
	SGD4100BR†	.032	1/4	9-13/16	14-3/4	
	SGD4120BR†	.032	1/4	11-15/16	16-3/4	
Flat Tip Mini-Tip	SGD304BR†	.020	1/8	3	5-7/8	•
	SGD306BR†	.030	3/16	3	5-7/8	•
Extra-Long	SGD424BR*†	.045	1/4	34	26-3/4	

Sets include storage tray
 † Does not include hex bolster
 * Industrial finish

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

HARD HANDLE FLAT TIP  INSTINCT



— Standard/Hard Handle, Chrome

	Stock No.	A	B	C	D
Flat Tip Standard	SHD1R†	.040	1/4	1-5/8	3-1/2
	SHD2R	.035	7/32	2-15/16	7
	SHD4R	.040	1/4	3-15/16	8-7/8
	SHD6R	.050	5/16	5-15/16	10-27/32
	SHD8R	.055	3/8	7-29/32	13-13/32
	SHD10R	.055	3/8	10	15-7/16
Flat Tip Industrial Finish Shank	GSHD1R*†	.037	1/4	1-5/8	3-1/2
	GSHD2R*	.032	7/32	2-15/16	7
	GSHD4R*	.037	1/4	3-15/16	8-7/8
	GSHD6R*	.046	5/16	5-15/16	10-27/32
	GSHD8R*	.050	3/8	7-29/32	13-13/32
Flat Tip Cabinet	SHD146R†	.030	3/16	6	10-1/8
	SHD480R†	.032	1/4	8	12-3/4
	SHD4120R†	.032	1/4	12	16-3/4
	SHD4160R†	.032	1/4	16	20-3/4
Flat Tip Mini Tip	SHD304R†	.018	1/8	3	5-7/8
	SHD306R†	.030	3/16	3	5-7/8

† Does not include hex bolster
 * Industrial finish

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

FLAT TIP/POCKET AND SPARK TEST



SDD2040

— Pocket, Chrome

Stock No.	Type	Description	A	D
SDD2040	Pocket	Flat Tip Pocket Screwdriver	.025	4-3/4
SDD2240	Pocket	Flat Tip Pocket Screwdriver with Magnet	.025	4-3/4



SDD214

— Spark Test, Chrome

Stock No.	Type	Description	A	D
SDD214	Spark Test	Flat Tip Spark Test Screwdriver	.025 x 1/8	5-1/8

— Miniature

Stock No.	Description	A	D
SDD244	Flat Mini Screwdriver	.017	4-3/4



SDD244

SOFT HANDLE PHILLIPS® INSTINCT.



SGDP42IRBR

+ Standard/Soft Handle, Chrome

Stock No.	A	B	C	D
SGDP31IRBR	#1	3/16	2-31/32	7-1/8
SGDP42IRBR	#2	1/4	3-31/32	8-7/8
SGDP62IRBR	#2	1/4	6	10-7/8
SGDP63IRBR	#3	5/16	6	10-13/16
SGDP64IRBR	#4	3/8	6	11-1/2
SGDP84BR	#4	3/8	8	15-5/8

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



SGDP82BR

+ Cabinet-Type/Soft Handle, Chrome

Stock No.	A	B	C	D
SGDP61BR†	#1	3/16	6	10
SGDP101BR†	#1	3/16	10	14-1/8
SGDP82BR†	#2	1/4	8	13
SGDP102BR†	#2	1/4	9-3/8	14-1/4
SGDP122BR†	#2	1/4	12	17
SGDP162BR†	#2	1/4	16	21

†Does not include hex bolster.

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

+ Mini Tip/Soft Handle, Chrome

Stock No.	A	B	C	D	Set Contains:
SGDP300BR†	#0	1/8	3	6	•
SGDP301BR†	#1	3/16	3	6	•
SGDP31IRBR	#1	3/16	2-31/32	7-1/8	•
SGDP42IRBR	#2	1/4	3-31/32	8-7/8	•
SGDP63IRBR	#3	5/16	5-29/32	10-13/16	•

Sets include storage tray
†Does not include hex bolster

Set Contains:

SGDP50BR



SGDP50BR

SGDP301BR

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

+ Extra-Long/Soft Handle, Chrome

Stock No.	A	B	C	D
SGDP116BR†	#1	3/16	16	20-5/32
SGDP216BR†	#2	3/16	16	20-5/32
SGDP242BR**†	#2	1/4	24	28-3/4

†Does not include hex bolster
**Industrial finish



SGDP216BR

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



• Do not use screwdrivers as prybars, chisels or punches.
• Read Safety Precautions on pages 361-364.

SOFT HANDLE PHILLIPS® INSTINCT.



SGDDP50BR

Diamond Tip

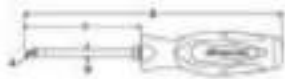
- Diamond particles "bite" into fasteners which minimizes slipping
- Diamond tips are extremely hard for long lasting performance and minimal wear
- Hex shape blades allow a wrench to be used for higher torque applications
- Tip identifier on the crown helps to quickly identify the needed tool

Stock No.	A	B	C	D	Set Contains:
SGDDP31RBR	#1	.197	3	7-5/32	•
SGDDP42RBR	#2	.236	4	8-29/32	•
SGDDP41RBR	#1	.197	6	10-5/32	•
SGDDP42RBR	#2	.236	6	10-29/32	•
SGDDP43RBR	#3	.315	5-3/4	10-5/8	•

Sets include storage tray

SGDDP50BR

HARD HANDLE PHILLIPS® INSTINCT.



SHDP62IRR

Standard/Hard Handle, Chrome

Stock No.	A	B	C	D
SHDP22IRR†	#2	1/4	5-5/8	3-1/2
SHDP31IRR	#1	3/16	2-31/32	7-1/8
SHDP42IRR	#2	1/4	3-31/32	8-7/8
SHDP62IRR	#2	1/4	6	10-13/32
SHDP63IRR	#3	5/16	6	10-13/16
SHDP64IRR	#4	3/8	6	11-1/2

†Does not include hex bolster

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



GSHDP22IRR

Standard/Hard Handle, Industrial

Stock No.	A	B	C	D
GSHDP22IRR†	#2	1/4	5-5/8	3-1/2
GSHDP31IRR	#1	3/16	2-31/32	7-1/8
GSHDP42IRR	#2	1/4	3-31/32	8-7/8

†Does not include hex bolster



SHDP82R

Cabinet-Type/Hard Handle, Chrome

Stock No.	A	B	C	D
SHDP61R†	#1	3/16	8	10-1/4
SHDP82R†	#2	1/4	8	12-7/8
SHDP122R†	#2	1/4	12	16-3/4
SHDP162R†	#2	1/4	16	20-3/4

†Does not include hex bolster

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

MINI TIP AND POCKET INSTINCT

+ Mini Tip/Hard Handle, Chrome

Stock No.	A	B	C	D
SHDP300R ¹	#0	1/8	3	5-13/16
SHDP301R ¹	#1	3/16	3	5-13/16

¹Does not include hex bolster



SHDP300R

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

+ Pocket, Chrome

Stock No.	Description	A	B	C	D
SDDP204B0	PHILLIPS® #1 Pocket Screwdriver	#1	1/8	2	4-7/8



SDDP204B0

SOFT GRIP (Blue-Point®)

Soft Grip (Blue-Point®)

Tip Style	Stock No.	Tip Size	Blade Length, inches (mm.)	Set Contains:	
				Length, inches	
Flat Tip	BSGD3	1/8	3 (76)	5-1/2	•
	BSGD4	7/32	5 (127)	9	•
	BSGD5	1/4	6 (152)	10-1/4	•
	BSGD6	5/16	7 (178)	11-1/4	•
	BSGD7	3/8	8 (203)	12-3/8	•
PHILLIPS®	BSGDP41	#1	4 (102)	9	•
	BSGDP52	#2	5 (127)	9-1/4	•



BSGDx70

ELECTRONIC SERVICE

Electronic Miniature/Long

Made with electrostatic dissipative (ESD) safe material that protects against the transfer of static charges that can damage sensitive electronic components. Compact, comfortable soft grip handle. Rotational cap for quick turning and precise torque application. Strong alloy blade in 1/8, 5/32 or 3/16" diameters provide clearance in tight applications. ESD mark on each tool.



SGDEL40ESD

Electronic Thin Blade

Tip Style	Stock No.	A	B	C	D	
Flat Tip	SGDE43ESD	1/8	1/8	3	6-3/8	
	SGDE44ESD	1/8	1/8	4	7-23/64	
	SGDE46ESD	1/8	1/8	6	9-21/64	
	SGDE610ESD	3/16	3/16	10	13-17/64	
	SGDE63ESD	3/16	3/16	3	6-3/8	
	SGDE64ESD	3/16	3/16	4	7-23/64	
	SGDE66ESD	3/16	3/16	6	9-21/64	
	SGDE68ESD	3/16	3/16	8	11-19/64	
	SGDEL8ESD	3	1/8	8	11-3/8	•
	SGDEL10ESD	4	5/32	10	13-3/8	•
PHILLIPS®	SGDELP8ESD	#0	1/8	8	11-3/8	•
	SGDELP10ESD	#1	5/32	10	13-3/8	•
	SGDEP30ESD	#0	1/8	3	6-3/8	
	SGDEP61ESD	#1	5/32	6	9-21/64	



SGDE43ESD

SGDE64ESD

SGDEP30ESD



- Do not use screwdrivers as prybars, chisels or punches.
- Read Safety Precautions on pages W1-W4

ELECTRONIC SERVICE



SGDE70ESD

Electronic Miniature, Flat

Made with electrostatic dissipative (ESD) safe material that protects against the transfer of static charges that can damage sensitive electronic components. Compact, comfortable soft grip handle. Rotational cap for quick turning and precise torque application. Strong alloy blade in 1/8, 5/32 or 3/16" diameters provide clearance in tight applications. ESD mark on each tool.

— + Electronic Miniature

	Stock No.	A	B	C	D	Set Contains:
Flat Tip	SGDE215ESD	1/8	5/64	2	5-1/2	•
	SGDE220ESD	3/32	5/64	2	5-3/4	•
	SGDE225ESD	3/32	3/32	2	5-3/4	•
	SGDE230ESD	1/8	1/8	2	5-3/4	•
PHILLIPS*	SGDEP200ESD	#00	5/64	2	5-3/4	•
	SGDEP205ESD	#0	1/8	2	5-3/4	•
	SGDEP215ESD	#1	5/32	3	6-1/2	•

Set shown includes storage case.



SGDE33ESD

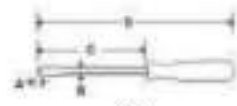


Potentiometer Adjuster, Chrome

Stock No.	A	B	C	D
SGDE33ESD	3/32	3/32	3	6-3/8



SGDET70ESD



Electronic Miniature/TORX®

	Stock No.	A	B	C	D	Set Contains:
Electronic Miniature/TORX®	SGDET26ESD	T6	3/32	2	5-1/2	•
	SGDET27ESD	T7	3/32	2	5-1/2	•
	SGDET28ESD	T8	3/32	2	5-1/2	•
	SGDET29ESD	T9	3/32	2	5-1/2	•
	SGDET210ESD	T10	1/8	2	5-1/2	•
	SGDET215ESD	T15	5/32	3	6-1/2	•
	SGDET220ESD	T20	5/32	3	6-1/2	•

Set shown includes storage case.



SGDEH70ESD

Electronic Miniature/Hex

	Stock No.	A	B	C	D	Set Contains:
Electronic Miniature/Hex	SGDEH304ESD	1/16	5/64	2	5-1/2	•
	SGDEH306ESD	3/32	1/8	3	6-1/2	•
	SGDEH307ESD	7/64	5/64	3	6-1/2	•
	SGDEH315ESD	1.5	3/32	2	5-1/2	•
	SGDEH320ESD	2	3/32	2	5-1/2	•
	SGDEH325ESD	2.5	1/8	3	6-1/2	•
	SGDEH330ESD	3	5/64	3	6-1/2	•

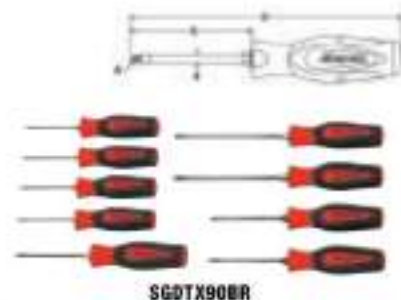
Set shown includes storage case.

★ Standard/Soft Handle, Chrome

- Designed for internal-type TORX® fasteners used in automotive and appliance
- Tips are precision cut and vapor blasted for best possible grip
- Chrome-plated blades for superior corrosion resistance and easy clean-up
- Hex bolsters for wrench-assisted turning
- Instinct® soft grip handles offer unique combination of power, comfort and versatility

Stock No.	A	B	C	D		
SGDTX38BR	T8	3/16	3	7-1/4		•
SGDTX310BR	T10	3/16	3	7-1/4		•
SGDTX315BR*	T15	3/16	3	7-1/4	•	•
SGDTX320BR*	T20	3/16	3	7-1/4	•	•
SGDTX425BR*	T25	1/4	4	8-7/8	•	•
SGDTX427BR*	T27	1/4	4	8-7/8	•	•
SGDTX430BR*	T30	1/4	4	8-7/8	•	•
SGDTX640BR	T40	5/16	6	10-7/8		•
SGDTX645BR	T45	5/16	6	10-7/8		•

Sets include storage tray.



SGDTX90BR

Colors Available



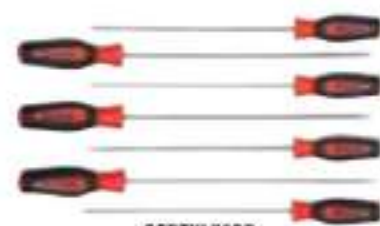
• R O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

★ Long/Soft Handle, Chrome

- TORX® tip offers optimal fastener engagement with minimal cam-out
- Thin, strong alloy blade provides excellent clearance and turning force
- Longer exposed lengths provide access to difficult-to-reach fasteners such as head/tail light assemblies

Stock No.	A	B	C	D		
SGDTX1006BR	T8	3/16	10	14-1/8		•
SGDTX1010BR	T10	3/16	10	14-1/8		•
SGDTX1015BR	T15	3/16	10	14-1/8		•
SGDTX1020BR	T20	3/16	10	14-1/8		•
SGDTX1225BR	T25	1/4	12	16-7/8		•
SGDTX1227BR	T27	1/4	12	16-7/8		•
SGDTX1230BR	T30	1/4	12	16-7/8		•

Set includes storage tray



SGDTXL70BR

◆ Pozidriv® Standard/Soft Grip, Chrome

- Tips have wedges for a tight fit on Pozidriv® fasteners
- PHILLIPS® tip drivers should not be used on Pozidriv® fasteners as they will ride out of the recess, round tool and screw recess corners

Stock No.	A	B	C	D		
SGDZ31BR	#1	3/16	3	7-1/4		•
SGDZ42BR	#2	1/4	4	8-7/8		•
SGDZ63BR	#3	5/16	6	10-7/8		•
SGDZ84BR	#4	3/8	8	13-7/16		•

Set includes storage tray



SGDZ40BR

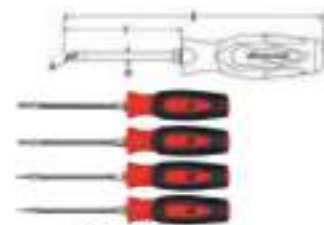
★ Mini-Tip/Soft Handle, Chrome

- Designed for internal-type TORX® fasteners used in the automotive and appliance industries

Stock No.	A	B	C	D		
SGDT308BR	T8	3/16	3	5-7/8	•	•
SGDT310BR	T10	3/16	3	5-7/8	•	•
SGDT315BR	T15	3/16	3	5-7/8	•	•
SGDT320BR	T20	3/16	3	5-7/8	•	•

Set includes storage tray

*Sets shown include foam organizer



SGDTX130BR

Colors Available



• R O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



- Do not use screwdrivers as prybars, chisels or punches.
- Read Safety Precautions on pages W1-W4.

TORX® TIP SOFT HANDLE  INSTINCT



SGDTRX50BR

★ Tamper-Resistant/Soft Handle, Chrome

- A hole in the end of each bit tip fits over the center peg in TORX® tamper-resistant fasteners

SGDTRX50BR
Set Contains:

Stock No.	A	B	C	D	
SGDTRX315BR	T15	3/16	3	7-1/4	•
SGDTRX320BR	T20	3/16	3	7-1/4	•
SGDTRX425BR	T25	1/4	4	8-7/8	•
SGDTRX427BR	T27	1/4	4	8-7/8	•
SGDTRX430BR	T30	1/4	4	8-7/8	•

Set includes storage tray



SGDTRXL70BR

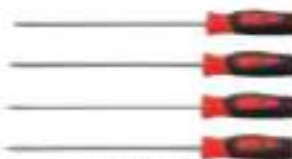
★ Tamper-Resistant/Soft Handle/Long, Chrome

- A hole in the end of each bit tip fits over the center peg in TORX® tamper-resistant fasteners
- Common uses include door and interior trim panels, headlight assemblies and switch modules

SGDTRXL70BR
Set Contains:

Stock No.	A	B	C	D	
SGDTRX608BR	T8	3/16	8	10	•
SGDTRX610BR	T10	3/16	8	10	•
SGDTRX615BR	T15	3/16	8	10	•
SGDTRX620BR	T20	3/16	8	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	•

Set includes storage tray



SGTRXL40BR

★ Tamper-Resistant/Soft Handle/Long Mini-Tip, Chrome

- A hole in the end of each bit tip fits over the center peg in TORX® tamper-resistant fasteners

SGTRXL40BR
Set Contains:

Stock No.	A	B	C	D	
SGDTR608B	T8	3/16	8	8-7/8	•
SGDTR610B	T10	3/16	8	8-7/8	•
SGDTR615B	T15	3/16	8	8-7/8	•
SGDTR620B	T20	3/16	8	8-7/8	•

Set includes storage tray

TORX® TIP SOFT HANDLE INSTINCT

SCREWDRIVERS

Instinct® Soft Handle Combination Foam Sets

SGMINI16FR 16 pc Instinct® Soft Grip Mini-Tip Combination Screwdriver, TORX®, Picks and Seal Removers Foam Set

- Includes (2) 1/8 and 3/16", (2) #0 and #1 PHILLIPS® and (4) T8, T10, T15 AND T20 TORX® drivers, plus (4) hook, 90°, 45° and awl picks, and (4) long and short spoon and long and short contoured seal removers in a foam organizer
- Wide tri-lobe grip design and Snap-on® bolstered, special alloy steel blade supply turning power when needed
- Nickel-chrome plating helps protect against corrosion and promotes easy clean up
- Blades of picks and removers are made from tough SAS material, extending the life of the tool
- Modular design of foam organizer provides in-drawer reconfiguration for new tools
- Fits in 2" drawer
- Push-To-Lift feature facilitates tool retrieval while maintaining max tool density on smallest footprint
- Contrasting colors provide visual control which eliminates time searching for missing tools
- Closed cell cross-linked foam resist oils, solvents, and fuels—easy-to-clean



SGMINI16FR

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

TORX® TIP HARD HANDLE INSTINCT

★ Standard/Hard Handle, Chrome

Stock No.	A	B	C	D	Set Contains:
SHDTX38R	T8	3/16	3	7-14	•
SHDTX310R	T10	3/16	3	7-14	•
SHDTX315R	T15	3/16	3	7-14	•
SHDTX320R	T20	3/16	3	7-14	•
SHDTX425R	T25	1/4	4	8-71	•
SHDTX427R	T27	1/4	4	8-71	•
SHDTX430R	T30	1/4	4	8-71	•
SHDTX640R	T40	5/16	6	10-78	•
SHDTX645R	T45	5/16	6	10-78	•

Set includes storage tray



SHDTX90R

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

SPECIAL APPLICATION

— + 90° Offset, Chrome

Product Type	Stock No.	A	B	Set Contains:
PHILLIPS®	1205SDP	#1 and #2	4-3/4	•
	3405SDP	#3 and #4	6	•
Flat Tip	105SD	.040 x 1/4	4	•
	205SD	.050 x 5/16	4-11/16	•
	305SD	.060 x 3/8	5-1/2	•



ST50A



• Do not use screwdrivers as prybars, chisels or punches.
• Read Safety Precautions on pages W1-W4

SPECIAL APPLICATION



SGABM900BR

Colors Available



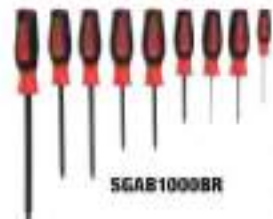
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Ball Hex Tip/Soft Handle, Metric

Set Contains:

Stock No.	A	B	C	D	
SGABM20BR	2	1/8	3	5-13/16	•
SGABM25BR	2.5	1/8	3	5-13/16	•
SGABM30BR	3	3/16	3	7-5/32	•
SGABM40BR	4	3/16	3	7-5/32	•
SGABM50BR	5	3/16	3	7-5/32	•
SGABM60BR	6	5/16	4	8-29/32	•
SGABM70BR	7	5/16	6	10-29/32	•
SGABM80BR	8	5/16	6	10-29/32	•
SGABM100BR	10	3/8	8	13-1/2	•

SGABM900BR



SGAB1000BR

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Ball Hex Tip/Soft Handle, SAE

Set Contains:

Stock No.	A	B	C	D	
SGAB6BR	3/32	1/8	3	5-13/16	•
SGAB7BR	7/64	1/8	3	5-13/16	•
SGAB8BR	1/4	3/16	3	7-5/32	•
SGAB9BR	9/64	3/16	3	7-5/32	•
SGAB10BR	5/32	3/16	3	7-5/32	•
SGAB12BR	3/16	3/16	3	7-5/32	•
SGAB14BR	7/32	5/16	4	8-29/32	•
SGAB16BR	1/4	5/16	4	8-29/32	•
SGAB20BR	5/16	5/16	6	10-29/32	•
SGAB24BR	3/8	3/8	8	13-1/2	•

SGAB1000BR



S6180



S6189

Dzus® Fasteners, Chrome

• For Dzus®-type fasteners used in aircraft and auto racing applications

Stock No.	Tip Thickness, inches	Tip Width, inches	Blade Length Exposed, inches	Length, inches
S6180	3/64	1/2	2	6-13/32
S6189	1/32	19/64	2	5-67/64



S00D101



S00D41

Reversible Blade Screwdrivers and Sets

Set Contains:

Stock No.	Description		
SDMDP1S4	PH#1/S4 bit	•	
SDMDP2S4	PH#2/S4 bit	•	
SDMDT15T20	T15/T20 Diamond Reversible TORX® 1/4" Hex Shank Bit	•	
SDMDT25T30	T25/T30 Diamond Reversible TORX® 1/4" Hex Shank Bit	•	
SDDD-1	Tube	•	•
SDMD4P1S4	PH#1/S4 bit	•	
SDMD4P2S4	PH#2/S4 bit	•	

S00D101 Reversible Blade Screwdriver Set

- Includes (4) reversible bits for (8) different tip sizes: 1/4" and 3/16" flat tips, PHILLIPS® #1 and #2 tips, TORX® T15, T20, T25 and T30 tips
- Individual 1/4" and 5/16" nut drivers
- Durable, classic hard handle is textured for a sure grip

S00D41 Reversible Blade Screwdriver Set

- Includes (2) reversible bits for four different tip sizes: 9/32" and 13/64" flat tip, PHILLIPS® #1 and #2 tips
- Durable, classic hard handle is textured for a sure grip

S00D101
S00D41

SPECIAL APPLICATION

Miniature, Chrome

CM6551A[†] 5 pc Miniature Screwdriver Set

- Includes (4) blades in the following flat tip sizes: .055", .070", .080" and .100"
- Includes awl and plastic pouch



CM6551A

Pocket Screwdrivers with Reversible Bit

SDDDM1AR Pocket Screwdriver with Reversible Bit

- Handy pocket clip adds convenience, keep a pocket screwdriver within arms' reach at all times
- Slim-profile classic handle for easy storage in pocket or glove box
- Built in magnet helps retain reversible bit so that it is always available when you need it



SDDDM1AR

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Pop-Up Screwdriver and Diamond Bit Set

SGDQ16KT[†] Screwdriver Kit

- Easy-to-use spring-loaded shank can adjust to different lengths for clearance, as well as compact storage
- Shank can be fully released to allow for 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
- Diamond particles bite into fasteners, which minimizes cam-out and stripping
- Kit includes: SGDQ6 Pop-Up Screwdriver, SDMD221 and SDMD223 PHILLIPS[®] Diamond Bits (#1, #2, #3), SDMD213 Flat Tip Diamond Bit, SDMDT10, SDMDT30 TORX[®] Diamond Bits (T10-T30), and SDMD321, and SDMD323 Power PHILLIPS[®] Diamond Bits (#1, #2, #3) in a PAKSCO62 Nylon Pouch

SGDQ6[†] Pop Up Shank Screwdriver

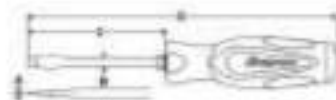


SGDQ16KT

Square Tip

- Square Tip Screwdrivers offer excellent fastener engagement
- Tips are precision cut and vapor blasted for optimal grip
- Intended for use on #3-12 Square Tip Fasteners

Stock No.	Description	Tip	C	D	Set Contains:
SDDROB43	Black	#3	4	8-13/32	•
SDDROB42R	Red	#2	4	8-13/32	•
SDDROB31G	Green	#1	3	6-21/32	•
SDDROB30Y	Yellow	#0	3	6-21/32	•



SDDR40

Low-Profile Screwdrivers

- Screwdrivers provide 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
- Heat-treated contoured handle for comfort and ease of use
- Flat, low-profile design fits in extremely tight areas
- Used in the aviation, aerospace and automotive industries
- Can be used in assembly, on motorcycles and for small engine repairs
- Tether hole in the handle helps prevent FOD (Foreign Object Damage)

Stock No.	Description	Length, inches
SSFP1	Low Profile PHILLIPS [®] #1 Tip	4-9/32
SSFP2	Low Profile PHILLIPS [®] #2 Tip	4-9/32
SSF1	Low Profile Flat Tip	4-9/32



SSFP1



SSFP2

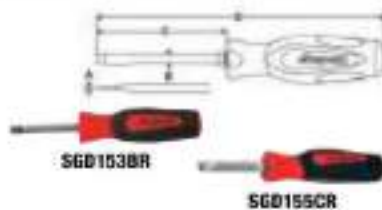


SSF1



- Do not use screwdrivers as prybars, chisels or punches
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4

SPECIAL APPLICATION



Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Marine Plug Screwdrivers

- Intended for use on marine plugs and other large-slotted fasteners requiring high torque
- SGD155 series features a large hex bolster for wrench-assisted turning

Stock No.	A	B	C	D
SGD153BR	.050	3/8	2-3/4	8-1/4
SGD155CR	.050	1/2	2-29/32	10-3/8



Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Push-Pull Spring Tools

- Designed to securely hold and maneuver small- to medium-sized springs
- Deep V-groove tip and C-groove capture prevents spring from sliding off
- Thicker shank versus picks
- Comfortable, durable acetate handle
- Use to remove light- to medium-duty compression or extension springs, door springs, latch springs, deck tensioner and stabilizer springs on tractors/mowers, brake adjuster springs, throttle return springs and recessed can lights with internal springs; also use to move or position thick-gauge wire and harnesses or to pull cotter pins/latch pins
- Important: These spring tools are non-insulated and should only be used in non-energized applications

Stock No.	A	B	C	D
SPRG618R	3/32	3/16	5-29/32	9-9/16
SPRG625R	7/64	1/4	5-29/32	10-5/16

POZIDRIV® HARD HANDLE INSTINCT



✦ Pozidriv® Standard/Hard Handle, Chrome

- Walls on tips are less tapered than PHILLIPS® tips
- Tips have wedges for a tight fit on Pozidriv® fasteners
- Important: PHILLIPS® tip drivers should not be used on Pozidriv® fasteners (and vice versa), as they will ride out of the recess, round the tool and screw recess corners

Stock No.	A	B	C	D	Set Contains:
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®)



Ratcheting Screwdrivers (Blue-Point®)

BSGDMR6 6-Bit Ratcheting Standard Screwdriver (Blue-Point®)

- 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), PHILLIPS® (#1 and #2) and TORX® (T15 and T20)
- Bits are a consumable and carry no warranty

RATCHETING SCREWDRIVERS/SOFT GRIP HANDLE SYSTEM



SGDMRCE44



SGDMRC44B



SGDMRC11A



5-Position

SGD Series Screwdrivers Feature:

- High-quality, interchangeable knurled stainless-steel shanks
- Strong magnetic bit retention
- Smooth ratcheting mechanism (US Patent 7,213,491)
- Soft solvent-resistant handle material provides a comfortable, non-slip surface (US Patent 4,21,888)
- "Thumbs up" forward/lock/reverse lever for easy directional changes

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 shanks
- Patented ergonomic handle shape provides comfort and control
- Comfort crown of handle cap provides low-friction surface for palm while turning

Five-Position Handle

- Features 0, 30 and 60° locking positions for optimal ergonomics (US Patent 7,481,135)
- Designed for right- or left-hand operation
- Handle stores up to seven insert bits

Stubby Handle

- Compact size for limited clearance applications
- No bit storage in handle

Standard Handle

- Cap functions as a bit holder when working in tight quarters
- Handle stores up to 10 bits

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Five-Position Handle Ratcheting Screwdrivers

	Stock No.	Handle	Shank	Flat Tip Bit	PHILLIPS® Bit	C	D
5-Position	SGDMRCE44	SGDMRCE4	SGDMRC1-10	SDM213B	SDM2221RB	2-5/8	8-1/2
Standard	SGDMRC44B	SGDMRC4	SGDMRC4-40	SDM213B	SDM2221RB	3-7/8	9-3/4
Stubby	SGDMRC11A	SGDMRC1A	SGDMRC1-10	—	—	2	4-1/2

All stubby screwdrivers include SDM2221RB PHILLIPS® Tip Bit.

Soft Grip Handles

Stock No.	Handle Type	A
SGDMRC1A	Stubby	2-5/8
SGDMRC4A	Standard	6
SGDMRCE4	5-Position	5-7/8



Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Ratcheting Screwdriver Sets

SGDMRC31RK Stubby Ratchet Metric Screwdriver Set

- Ideal set for applications where space is at a premium
- Stubby ratcheting screwdriver accepts interchangeable stainless steel shanks with strong magnetic bit retention (2" and 3-3/4" L included)
- Smooth ratchet action with forward/reverse lock mechanism
- Set includes (8) 1/4" drive sockets (5-13 mm), (6) metric hex bits (2-6 mm), (8) TORX® bits (T9-T40), (2) flat bits, (3) PHILLIPS® ACR® bits and (1) 1/4" hex-to-1/4" square adaptor in a storage case



SGDMRC31RK

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS



- Do not use screwdrivers as prybars, chisels or punches.
- Read Safety Precautions on pages W1-W4

RATCHETING SCREWDRIVERS/SOFT GRIP HANDLE SYSTEM



SSDMR4B



Colors Available



Black Red Orange Green
B R O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Standard Handle

Stock No.	Handle Type	Handle Color	C	D
SSDMR4B	Standard	Black	3-25/32	8-3/4

Includes SDM211B (3/16") and SDM213B (9/32") Flat Tip bits plus SDM221RB (#1), SDM222RB (#2) and SDM223RB (#3) PHILLIPS® ACR® bits. To service the drivers above, order RKRSSDMRA4C (Ratcheting Screwdriver Service Kit).



SSDMR1AR



Colors Available



Red Orange Green
R O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Stubby Handle

Stock No.	Handle Color	C	D
SSDMR1AR	Red	1-15/16	4-5/16

Includes SDM222RB #2 PHILLIPS® ACR® bit. To service the drivers above, order RKRSSDMRA4C (Ratcheting Screwdriver Service Kit). SSDMR4B200* (End Cap Replacement)



SSDMR8AR



Colors Available



Red Orange Green
R O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Standard Handle, Long

Stock No.	Handle Type	Handle Color	C	D
SSDMR8AR	Long	Red	7-7/16	12-15/16

Includes SDM211B (3/16") and SDM213B (9/32") Flat Tip bits plus SDM221RB (#1), SDM222RB (#2) and SDM223RB (#3) PHILLIPS® ACR® bits. RKRSSDMRA4C (Ratcheting Screwdriver Service Kit).



SSDMRT4R



SSDMRT8A

T-Handle

Stock No.	Dimension A, Shank Length, inches	Dimension B, Overall Length, inches	Handle Type
SSDMRT1	2	3-15/16	T-Handle, Stubby
SSDMRT4	3-7/8	5-27/32	T-Handle, Stubby
SSDMRT8A	8	10	T-Handle, Stubby

Includes SDM222RB #2 PHILLIPS® ACR® bit. RKRSSDMRA4C (Ratcheting Screwdriver Service Kit).



SGDMRC1-10



SGDMRC4-40



SGDMRC4-80



SGDMRC4-TM4



SGDMRC4-TMF4



SGDMRC-SP

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.		A	B
SGDMRC1-10	Magnetic Shank/Bit Holder	3-1/4	2
SGDMRC4-40	Magnetic Shank/Bit Holder (5")	5	3-3/4
SGDMRC4-80	Magnetic Shank/Bit Holder	9	7-3/4
SGDMRC4-TM4	1/4" Square Drive Shank	5	3-3/4
SGDMRC4-TMF4	Flexible 1/4" Square Drive Shank	5	3-3/4
SGDMRC-SP	1/4" Speeder Shank	13	—

RATCHETING SCREWDRIVER SETS



SGDMRC103A

Ratcheting Screwdriver Sets

Set Contains:

Stock No.	Description	
SGDMRC4A	Soft Grip Standard Ratcheting Screwdriver Handle	•
SGDMRC4-40	Magnetic Shank/Bit Holder (5")	•
SGDMRC4-80	Magnetic Shank/Bit Holder	•
SDM211B	.031 x .187" Flat Tip 1/4" Hex Shank Bit	•
SDM213B	.038 x .250" Flat Tip 1/4" Hex Shank Bit	•
SDM221RB	#1 PHILLIPS® ACR® 1/4" Hex Shank Bit	•
SDM222RB	#2 PHILLIPS® ACR® 1/4" Hex Shank Bit	•

Set includes PB146A Storage Case



SGDMRC108A

Set Contains:

Stock No.	Description	
SGDMRC1A	Soft Grip Stubby Ratcheting Screwdriver Handle	•
SGDMRC4A	Soft Grip Standard Ratcheting Screwdriver Handle	•
SGDMRC1-10	Magnetic Shank/Bit Holder	•
SGDMRC4-40	Magnetic Shank/Bit Holder (5")	•
SGDMRC4-80	Magnetic Shank/Bit Holder	•
SGDMRC4-TM4	1/4" Square Drive Shank	•
SDM400A	Master SAE Screwdriver Bit Set	•

Complete Screwdrivers

SGDMRC44FR 44 pc Soft Grip Standard Ratcheting Screwdriver Foam Set

- Includes (1) standard ratcheting soft grip handle, (4) shanks, (9) TORX® bits, (17) SAE/metric hex bits, (3) PHILLIPS® bits, (2) flat bits, (5) square bits, (1) tire valve bit, (1) adaptor and (1) bit holder in a molded case with foam insert
- Ratcheting screwdriver accepts interchangeable stainless steel shanks and stores up to ten bits
- Each tool is precision fitted in a compact storage case with foam providing ultimate tool protection
- Contrasting colors provide visual control which eliminates time searching for missing tools



SGDMRC44FR

Colors Available



* R O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Colors Available



* R O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

TORX® Bit Set (Blue-Point®)

Use on 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 models): door hinge bolts; GM® vehicles: fender applications; Jeep® vehicles: Cherokee® (1997–1998): door hinge bolts; VW® vehicles (pre-1999): exterior and interior door hinge bolts

DHW1® 5/16" Hex Drive Reversible Ratcheting Bit Wrench (Blue-Point®)

- Overall length: 10-3/4" (273 mm)
- Low head clearance for access to tight spots
- Internal ring in square drive provides more secure bit retention than magnetic models
- Knurled wheel for fingertip control
- Reverse lever positioned for one-hand operation



DHW1

SHORTORX

Set Contains:

Stock No.	Description (Chart)	Hex Size	Description	
SDMTAS15	T15	5/16	T15	•
SDMTAS20	T20	5/16	T20	•
SDMTAS25	T25	5/16	T25	•
SDMTAS27	T27	5/16	T27	•
SDMTAS30	TORX® Bit	5/16	T30	•
SDMTAS40	TORX® Bit	5/16	T40	•
SDMTAS45	TORX® Bit	5/16	T45	•
DHW1®	5/16" Hex Drive Reversible Ratcheting Bit Wrench (Blue-Point®)	—	—	•

Magnetic Ratchet and Bit Set

- Ideal for accessing fasteners in tight areas
- Ratchet features magnetic retention for 1/4 hex bits
- Includes: SDM211B flat tip bit, SDM213B (9/32) flat tip bit, SDM221RB (#1) PHILLIPS® ACR® bit, SDM222RB (#2) PHILLIPS® ACR® bit, SDMT15D (T15) TORX® bit
- Use RKRTM72A Service Kit

Stock No.			A	B	C	D
TM72SET	72	8"	7/16	15/16	1-3/4	4-7/16



TM72SET



- Do not use "cheater bars" on handles.
- Frequently inspect, clean and lubricate all non-sealed ratchet mechanisms with light oil.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4

RATCHETING SCREWDRIVER SETS



BLPBTWSET

Ratcheting Offset

Stock No.	Description	Set Contains:
BLPBTW4	1/4" Drive 4" Mini Ratchet and 1/4" Ratcheting Bit Driver Combination Wrench (Blue-Point®)	•
BLPBTW6	1/4" Drive 6" Mini Ratchet and 1/4" Ratcheting Bit Driver Combination Wrench (Blue-Point®)	•
BLPBTW8	1/4" Drive 8" Mini Ratchet and 1/4" Ratcheting Bit Driver Combination Wrench (Blue-Point®)	•
BLPPB1	#1 PHILLIPS® Tip 1/4" Hex Shank Bit (Blue-Point®)	•
BLPPB2	#2 PHILLIPS® Tip 1/4" Hex Shank Bit (Blue-Point®)	•
BLPTB15TP	T15 TORX® Tamper-Resistant 1/4" Hex Shank Bit (Blue-Point®)	•
BLPTB20TP	T20 TORX® Tamper-Resistant 1/4" Hex Shank Bit (Blue-Point®)	•
BLPFB316	3/16" SAE Flat Tip Hex Shank Bit (Blue-Point®)	•
BLPFB932	9/32" SAE Flat Tip Hex Shank Bit (Blue-Point®)	•



YA480B



BTWSMPK



BTWOSK

Ratcheting Offset

YA480B Ratcheting Right Angle Screwdriver (Blue-Point®)

- Includes (1) flat tip bit, (1) #2 PHILLIPS® bit and (1) #2 Pozidriv® bit

BTWSMPK® 7 pc Bit Miniature Ratcheting Handle Set (Blue-Point®)

- Includes: (1) BTWSM, (1) BTWOS and (1) BTWROS mini ratcheting handles; (1) SDM213B (9/32") flat tip bit; (1) SDM221RB (#1); (1) SDM222RB (#2) PHILLIPS® ACR® bits; (1) SDMT15D (T15) TORX® bit

BTWOSK® 5 pc Bit Miniature Ratcheting Handle Set (Blue-Point®)

- Includes (1) mini ratcheting handle, (1) flat tip bit (9/32"), (1) PHILLIPS® ACR® bit (#1), (1) PHILLIPS® ACR® bit (#2) and (1) TORX® bit (T15)

BTWS® Straight Miniature Ratcheting Handle (Blue-Point®)

- Miniature ratcheting handle for use on 1/4" hex bits
- Ideal for working in confined spaces
- 72-tooth ratchet engagement with only 5° movement to engage the next tooth
- Magnetic holder keeps bits in place
- Raised knurled knob for fingertip control
- Reverse lever is easily operated with one hand
- 4-1/2" compact overall length
- Vinyl grip for comfort and control

BTWOS® 25° Offset Miniature Ratcheting Handle (Blue-Point®)

- 25° offset miniature ratcheting handle for use on 1/4" hex bits
- Ideal for working in confined spaces
- 72-tooth ratchet engagement with only 5° movement to engage the next tooth
- Magnetic holder keeps bits in place
- Raised knurled knob for fingertip control
- Reverse lever is easily operated with one hand
- 4-1/2" compact overall length
- Vinyl grip for comfort and control
- **BTWROS® 25° Reverse Offset Miniature Ratcheting Handle (Blue-Point®)**
- 25° Reverse Offset
- 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

SCREW AND NUT STARTERS



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
GA199A [†]	9/32	Combination	.032 x 9/32, #2	5-7/8

SSR7 Recessed Aluminum Starter (Blue-Point®)

- 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"

NUT DRIVERS



NDDM900A



NDD900B

Hard Handle, mm, 6-Point

Socket Size	Stock No.	A*	B	Set Contains:	
				NDDM900A	
5	NDDM50A	7.5	169	•	
6	NDDM60A	7.5	169	•	
7	NDDM70A	9.1	189	•	
8	NDDM80A	9.9	189	•	
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	•	

Set includes storage tray
*Socket Length

Hard Handle, inches, 6-Point

- Most popular sizes included in sets
- Tubular, polished shanks with 1" recess
- Sizes marked on side and end of handle for identification
- Handles resist oils and solvents and easily wipe clean
- Includes storage tray

Socket Size	Stock No.	A	B	Set Contains:	
				NDD900B	
3/16	NDD106B	19/64	6-21/32	•	
7/32	NDD107BBR	19/64	6-21/32	•	
1/4	NDD108BR	19/64	6-21/32	•	
9/32	NDD109BO	23/64	6-21/32	•	
5/16	NDD110BY	23/64	6-21/32	•	
11/32	NDD111BG	25/64	6-21/32	•	
3/8	NDD112BB	25/64	7-13/32	•	
7/16	NDD114BBR	33/64	8-5/32	•	
1/2	NDD116BR	33/64	8-21/32	•	
9/16	NDD118BO	47/64	9-1/4	•	
5/8	NDD120BY	47/64	9-1/4	•	

Set includes storage tray



NDSGM600A

Ergonomic Soft Grip Handle, mm, 6-Point

- Constructed from high-strength steel and is hardened for durability
- Blade and handle display size markings
- Hole in handle can be used for hanging or tethering the tool
- Ergonomic, soft-grip handles provide comfort and unprecedented turning power

Socket Size	Stock No.	Overall Length, inches	Set Contains:	
			NDSGM600A	
7 mm	NDSGM7A	8-5/8	•	
8 mm	NDSGM8A	8-5/8	•	
10 mm	NDSGM10A	8-5/8	•	
12 mm	NDSGM12A	8-5/8	•	
13 mm	NDSGM13A	8-5/8	•	
14 mm	NDSGM14A	8-5/8	•	

Set includes storage tray



NDSG600A

Ergonomic Soft Grip Handle, inches, 12-Point

Socket Size	Stock No.	Overall Length, inches	Set Contains:	
			NDSG600A	
1/2	NDSG12A	6-3/8	•	
1/4	NDSG14A	6-3/8	•	
3/8	NDSG38A	6-3/8	•	
5/16	NDSG516A	6-3/8	•	
7/16	NDSG716A	6-3/8	•	
9/32	NDSG932A	6-3/8	•	

Set includes storage tray



WARNING

- Do not use chrome or industrial finish hand tools with power drivers.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P3 for details.
- Read Safety Precautions on pages W1-W4.

BIT SETS

Master Bit Sets (1/4" hex)



SDM400A

SDM400A Master SAE Screwdriver Bit Set

- Includes (33) hex shank bits, (3) adaptors and (1) convenient storage case
- Popular array of adaptors and bits for use with hand or cordless tools
- Bits made in USA

Includes all bits below:

Bit Type	Stock No.	#
Flat Tip	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
SDM222IRB		#2
SDM223IRB		#3
TORX® Bit	SDMT8D	T8
	SDMT9D	T9
	SDMT10D	T10
	SDMT15D	T15
	SDMT20D	T20
	SDMT25D	T25
	SDMT30D	T30
Pozidriv® ACR® Bit	SDM251IRC	#1
	SDM252IRB	#2
	SDM253IRC	#3
	ScruMax® Bit	BTS0
BTS1		#1
BTS2		#2
BTS3		#3
1/4" Hex opening, 1/4" drive	TMB58A	—
1/4" Drive 2" Long 1/4" Hex-To-1/4" Square Adaptor	GMB3042	—
1/4" Drive 1" Long 1/4" Hex-To-1/4" Square Adaptor	GMB3041	—
Insert Bit Magnetic Holder	SDM11A	—



SDM410

SDM410 Master Metric Screwdriver Bit Set

- Includes (36) hex shank bits, (3) adaptors and (1) convenient storage case
- Bits made in USA

Includes all bits below:

Bit Type	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® 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	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	
	TORX® Bit	SDMT8D	T8
		SDMT9D	T9
SDMT10D		T10	
SDMT15D		T15	
SDMT20D		T20	
SDMT25D		T25	
SDMT27D		T27	
SDMT30D		T30	
SDMT40D		T40	
TORX® Tamper-Resistant Bit		SDMTR8	T8
SDMTR10		T10	
SDMTR15		T15	
SDMTR20		T20	
SDMTR25		T25	
SDMTR27	T27		
SDMTR30	T30		
SDMTR40	T40		
1/4" Hex opening, 1/4" drive	TMB58A	—	
1/4" Drive 2" Long 1/4" Hex-To-1/4" Square Adaptor	GMB3042	—	
1/4" Drive 1" Long 1/4" Hex-To-1/4" Square Adaptor	GMB3041	—	
Insert Bit Magnetic Holder	SDM11A	—	



SDMBT10



SDM11KT

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

Description	Stock No.	# [mm]
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
SAE	SDMBH2704	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"

Description	Stock No.	# [mm]	
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	—

Set includes storage case

SDM11KT TORX® Ball Hex Set (Blue-Point®)

- Includes storage case with belt clip

Description	Stock No.	# [mm]
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	—

Set includes storage case



SDMC8RD



SDMC8RT



SDMC8T

Ratcheting Screwdriver Bit Sets (1/4" hex)

SDMC8RD® 8 pc Diamond Tip Combination Screwdriver Bit Set

- Set includes: (1) Flat Diamond Tip Bit (1 mm), (3) PHILLIPS® Diamond Tip Bits (#1, #2, #3) and (4) Torx® Diamond Tip Bits (T15, T20, T25, T30) in a red storage case (SDMC8RD); all bits are 1/4" hex shank

SDMC8RT® 8 pc TORX® Screwdriver Bit Set

- Set includes (8) TORX® bits (T8–T30) in SDMC8R Red Storage Case

SDMC8T® 8 pc TORX® Screwdriver Bit Set

- Set includes (8) TORX® bits (T8–T30) in a black storage case (SDMC8T)

SDMC8 Bit 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 or Black

Description	Stock No.	# [mm]
Flat Tip Diamond Bit	SDMD213 [†]	Flat Tip (1mm / 5.5mm)
PHILLIPS® Diamond Bit	SDMD221 [†]	#1
	SDMD222 [†]	#2
	SDMD223 [†]	#3
TORX® Diamond Bit	SDMDT15 [†]	T15
	SDMDT20 [†]	T20
	SDMDT25 [†]	T25
	SDMDT30 [†]	T30
TORX® Bit Set	SDMT8D	T8
	SDMT9D	T9
	SDMT10D	T10
	SDMT15D	T15
	SDMT20D	T20
	SDMT25D	T25
TORX® Power Bit	SDMT27D	T27
	SDVT3020	T30

Colors Available



- * RD —
- ** RT T
- † — †

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



- Do not use bits with impact driver.
- Do not use screwdrivers as prybars, chisels or punches.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.
- Read Safety Precautions on pages W1–W4.

BIT SETS



SDMC8P



SDMC8MH



SDMC8H

Ratcheting Screwdriver Bit Sets (1/4" hex)

SDMC8P** 8 pc Combination Screwdriver Bit Set

- Set includes (2) flat tip bits (.031" and .038"); (3) PHILLIPS® bits (#1, #2 and #3); (1) limited clearance PHILLIPS® bit #2; (1) ScruLox® bit #2 and (1) 1" adaptor in SDMC8 Black Storage Case

SDMC8MH* 8 pc Metric Hex Screwdriver Bit Set

- Set includes (8) Metric Hex Bits 2–10 mm in SDMC8 Black Storage Case

SDMC8H* Screwdriver Bit Set

- Set includes (8) hex bits 3/32–5/16" in SDMC8 Black Storage Case

Colors Available



* H RH — —
 ** P RP CP CP
 ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



SDMEXT27K

SDMEXT27K 27 pc 1/4" Hex Drive Adaptor and Bit Set (Ball-Detent)

- Complete set that includes the most popular sizes and lengths of ball-detent extensions, adaptors and bits for most applications
- 1/4 hex to 1/4 or 3/8 square drives hex-to-square adaptors for use with sockets (1, 2 and 6" L)
- Magnetic bit holder for use with insert bits
- Quick change coupler for use with 1/4" hex power bits
- Popular size insert and power bits included: Flat Tip, PHILLIPS®, PHILLIPS® ACR®, TORX®, Square
- Includes (2) magnetic nutdrivers (1/4, 5/16")

Power Bit Sets

Description	Stock No.	Size
Flat Tip	SDM211B	.031 x .187"
	SDM212B	.035 x .219"
	SDM213B	.038 x .260"
PHILLIPS® ACR® Bit	SDM221RB	#1
	SDM222RB	#2
	SDM223RB	#3
PHILLIPS® Power Bit	SDM321B	1-15/16
	SDM322B	1-15/16
	SDM323A	1-15/16
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	1/4" Hex-to-1/4" Square
	GMB3042	2
	GMB3046	6
Hex-to-Square Adaptor, 1/4" Hex to 3/8" Square	AB3042	2
	AB3046	6
Insert Bit Magnetic Holder	SDM11A	Insert Bit Magnetic Holder
Quick-Change Coupler, 1/4" Drive	TMC109A	—

Sets shown include storage cases.



SDMEXT19K



SDML19KT

Power Bit Sets

Set Contains:

Description	Stock No.	Size	
Flat Tip Bit	SDM211B	.031 x .187"	•
	SDM212B	.035 x .218"	•
	SDM213B	.038 x .250"	•
PHILLIPS® ACR® Bit	SDM221RB	#1	•
	SDM222RB	#2	•
	SDM223RB	#3	•
PHILLIPS® Power Bit	SDM321B	#1	•
	SDM322B	#2	•
	SDM323A	#3	•
TORX® Power Bit	SDMT315A	T15	•
	SDMT320A	T20	•
	SDMT325B	T25	•
Hex-to-Square Adaptor, 1/4" Hex to 1/4" Square	GMB3041	1	•
	GMB3042	2	•
	GMB3045	6	•
3/8" Drive Power Hex-To-Square Adaptor	A3042	2	•
	A3045	6	•
Insert Bit Magnetic Holder	SDM11A	—	•
Quick Change Coupler	TMC109A	—	•

SDMEXT19K 19 pc 1/4" Hex Drive 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 (3) flat tip, (3) PHILLIPS®, (3) PHILLIPS® insert bits and (3) TORX® power bits

Power Bit Sets

Set Contains:

Description	Stock No.	Size	Length	
Flat Tip Power Bit	SDM414A	.034 x .187"	3	•
	SDM415A	.038 x .250"	3	•
	SDM614	.034 x .187"	6	•
	SDM615	.038 x .250"	6	•
PHILLIPS® Power Bit	SDM421B	#1	2-3/4	•
	SDM422B	#2	2-3/4	•
	SDM423B	#3	2-3/4	•
	SDM621A	#1	6	•
	SDM622A	#2	6	•
TORX® Power Bit	SDM623A	#3	6	•
	SDMT415	T15	2-3/4	•
	SDMT420	T20	2-3/4	•
	SDMT425	T25	2-3/4	•
	SDMT427	T27	2-3/4	•
	SDMT615	T15	6	•
	SDMT620	T20	6	•
Quick Change Coupler	SDMT625	T25	6	•
	SDMT627	T27	6	•
	TMC109A	—	—	•

SDML19KT 19 pc Long Power Bit Set

- Includes a popular assortment of 2-3/4", 3" and 6" bits to cover a wide range of applications
- Helps avoid costly damage to work surface by eliminating chuck contact



- Do not use screwdrivers as prybars, chisels or punches.
- Do not use bits with impact drive.
- Do not use chrome or industrial finish hand tools with impact drivers.
- Read Safety Precautions on pages W1-W4

POWER BIT SETS



CTS561BITXL

CTS561BITXL 14 pc 6" Power Bit Set (Blue-Point®)

- Additional length provides greater access and minimizes drill contact with work surface
- Power bits made from tough S2 steel
- T8, T10, T15, T20, T25, T27 and T30
- PHILLIPS® #1, #2 and #3, Square #1 and #2
- SDM611 stainless steel adaptor with magnetic retention
- Includes CTS561BITCS indexable case



CTS561BITSET

CTS561BITSET 23 pc 1/4" Drive Quick-Change Bit Set (Blue-Point®)

- For use with Snap-on® cordless screwdrivers and other power drivers
- Manufactured from industrial-grade tool steel
- Includes (22) bits (all 3" long), plus a 1/4" square drive (2" long)
- Includes PHILLIPS® bits #0, #1, #2; flat tip bits 5/32", 3/16", 7/16", 1/4", 9/32"; TORX® bits T10, T15, T20, T25, T27, T30, T40; hex bits 3/32", 7/64, 1/8", 5/32", 3/16", 7/32" and 1/4" in a storage case



YA52PBSQC

YA52PBSQC 52 pc Power Bit Set (Blue-Point®)

- For use with Snap-on® cordless screwdrivers and other power drivers
- Includes (7) six-lobe star (tamper-proof) insert bits, (3) square insert bits, (4) PHILLIPS® insert bits, (4) slotted insert bits, (7) hex insert bits, (2) clutch insert bits, (6) six-lobe star (tamper-proof) power bits, (3) square power bits, (3) PHILLIPS® power bits, (3) slotted power bits, (3) hex power bits, (3) socket adaptors, (1) quick-change chuck, (2) PHILLIPS® double end bits and (1) square bit holder in a storage case

SCREWDRIVER BITS AND ACCESSORIES



SDM12



SDM611



TMXKB56



TMC109A

Screwdriver Bit Holders

SDM12 Insert Bit Holder

- Lock ring bit retention for quick hex bit changes
- 1-1/8" long

SDM611 Insert Bit Magnetic Holder (Blue-Point®)

- For quick hex bit changes when used with electric drill, cordless drill or screw gun
- Magnetic bit retention
- 6" long

TMXKB56 1/4" Hex x 1/4" Square 6" Socket

- Used to remove and install various fasteners—allows the ratchet to be used to drive a 1/4" hex screwdriver bit
- 1/4" square drive, 6" extension that accepts different configurations of 1/4" hex bits
- Employs a magnetic end to help hold the bit in place
- Precision-crafted from special alloy steel for strength and durability
- Nickel-chrome finish helps protect against corrosion and makes it easy to wipe clean

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

SCREWDRIVER BITS AND ACCESSORIES

SCREWDRIVERS

Screwdriver Bit Sockets

Stock No.	Description
CFSS88	3/8" Drive Non-Conductive Composite Universal Bit Holder
FBS8	3/8" Drive 1/4" Hex Screwdriver Bit Socket
FBS9*	3/8" Drive 5/16" Hex Screwdriver Bit Socket

*Use with 5/16" Hex bit U.S. Patent Numbers 5,970,826 and 6,029,547 and 6,126,832 apply.



Magnetic Screwdriver Bit Sockets

Stock No.	Description
FBSM8A	3/8" Drive Magnetic Screwdriver Bit Socket
GTMB88A	1/4" Drive Magnetic Screwdriver Bit Socket
TMUBS8	1/4" Drive Magnetic Screwdriver Bit Universal Socket
TMBS8A	1/4" Drive Magnetic Screwdriver Bit Socket



Magnetic Nut Drivers

Stock No.	Description
SDMN25	1/4" Bit 1/4" Hex Shank Magnetic Nut Driver
SDMN31	5/16" Bit 1/4" Hex Shank Magnetic Nut Driver



Hex-to-Square Adaptors

Stock No.	Drive Size	Adaptor Type	A	B
GMB3041	1/4"	1/4" Hex-to-1/4" Square	Ball Detent	1
GMB3042*	1/4"	1/4" Hex-to-1/4" Square	Ball Detent	2
GMB3046*	1/4"	1/4" Hex-to-1/4" Square	Ball Detent	6
AB3042*	3/8"	1/4" Hex-to-3/8" Square	Ball Detent	2
AB3044*	3/8"	1/4" Hex-to-3/8" Square	Ball Detent	4
AB3046*	3/8"	1/4" Hex-to-3/8" Square	Ball Detent	6

*Insert Bit Style, non-impact



1/4" HEX SHANK BITS



SDM251IRC



SDMTW8A



SDMTR8

Pozidriv® ACR® Installer/Remover

- Anti-cam-out ribs bite into fasteners and help prevent damage to the fastener

Stock No.	#
SDM251IRC	#1
SDM252IRB	#2
SDM253IRC	#3



SDM221IRB

PHILLIPS® ACR®

- Anti-cam-out ribs bite into fasteners and help prevent damage to the fastener

Stock No.	#
SDM221IRB	#1
SDM222IRB	#2
SDM223IRB	#3

Wobble Bits

- Unique geometry provides up to 18° of angle "wobble"

Stock No.	#
SDMTW8A	T8
SDMTW9A	T9
SDMTW10A	T10
SDMTW15A	T15
SDMTW20A	T20
SDMW221A	#1
SDMW222A	#2
SDMW223A	#3
SDMTW25A	T25
SDMTW27A	T27
SDMTW30A	T30
SDMTW40A	T40

Tamper-Resistant TORX®

Stock No.	#	Diameter, inches
SDMTR8	T8	1/4
SDMTR10	T10	1/4
SDMTR15	T15	1/4
SDMTR20	T20	1/4
SDMTR25	T25	1/4
SDMTR27	T27	1/4
SDMTR30	T30	1/4
SDMTR40	T40	1/4
SDMTR45	T45	5/16
SDMTR50	T50	5/16



SDM231A

Reed & Prince

Stock No.	#
SDM231A	#2



- Do not use chrome or industrial finish hand tools with impact drivers.
- Wear safety goggles while using power tools. (ears and bystanders)
- Do not use power tool accessories above their maximum rated RPM.

- Do not use with impact drivers.
- Do not use non-conductive tools that are damaged.
- Do not use bits with impact driver.
- Read Safety Precautions on pages W3-W4.

1/4" HEX SHANK BITS

- Durable alloy steel for long life
- Specialized heat treat for consistent quality
- Precision milled tip geometry for optimal fastener engagement
- Made in USA

Bit Type	Stock No.	#
 Flat Tip	SDM211B	.031 x .187"
	SDM212B	.035 x .219"
	SDM213B	.038 x .250"
	SDM214C	.045 x .312"
	SDM215C	.055 x .375"
 PHILLIPS®	SDM221C	#1
	SDM222ZB	#2
	SDM222CZ*	#2
 Clutch A	SDM242	3/32"
	SDM243	1/8"
	SDM244	5/32"
	SDM245	3/16"
	SDM246	1/4"
	SDM247	5/16"
	SDM242G	3/32"
 Clutch G	SDM243G	1/8"
	SDM244G	5/32"
	SDM245G	3/16"
	SDM246G	1/4"
 POZIDRIV®	SDM251C	#1
	SDM252C	#2
	SDM253C	#3
 Hex	SDM2704D	1/16"
	SDM2705D	5/64"
	SDM2706D	3/32"
	SDM2708D	1/8"
	SDM2709D	9/64"
	SDM2710D	5/32"
	SDM2712D	3/16"
	SDM2714D	7/32"
	SDM2716D	1/4"
	SDM2720D	5/16"
SDM2724D	3/8"	

Mortorq® Bits

- Designed for use with Mortorq® fasteners
- Used on aerospace applications
- Low-profile head design, high-strength torque acceptance and lighter weight
- Bits designed to allow fastener removal at various angles for ease of use
- Part numbers stamped on bit

Bit Type	Stock No.	Size
 Mortorq®	SDMMT0	#0
	SDMMT00	#00
	SDMMT1	#1
	SDMMT2	#2
	SDMMT3	#3

- BTS and BTSS Series bits can be used on recessed double square fasteners commonly used on trailer and RV exteriors
- Bit size varies by application

Bit Type	Stock No.	#
 Metric Hex	SDMM2702B	2 mm
	SDMM2702.5B	2.5 mm
	SDMM2703B	3 mm
	SDMM2704C	4 mm
	SDMM2705C	5 mm
	SDMM2706C	6 mm
	SDMM2708B	8 mm
 TORX®	SDMT6A	T6
	SDMT7A	T7
	SDMT8D	T8
	SDMT9D	T9
	SDMT10D	T10
	SDMT15D	T15
	SDMT20D	T20
	SDMT25D	T25
	SDMT30D	T30
	SDMT40D	T40
 SCRULOX® Square	BTS0	#0
	BTS1	#1
	BTS2	#2
	BTS3	#3
 TRI-WING®	BTW0A	#0
	BTW1A	#1
	BTW2A	#2
	BTW3A	#3
	BTW4A	#4
	BTW5A	#5
 Double Square	BTSS2	#2

*Small profile/narrow lip

Diamond Tip Bits

- Diamond particles "bite" into fasteners, which minimizes slipping
- Diamond particles are extremely hard for long-lasting performance and minimal wear

Bit Type	Stock No.	#
 PHILLIPS®	SDMD221 [†]	#1
	SDMD222 [†]	#2
	SDMD223 [†]	#3
 Flat Tip	SDMD213 [†]	1 mm/5.5 mm
 TORX®	SDMDT10 [†]	T10
	SDMDT15 [†]	T15
	SDMDT20 [†]	T20
	SDMDT25 [†]	T25
	SDMDT30 [†]	T30
	SDMDT40 [†]	T40
	SDMDT25T30*	T25/T30
	SDMDT15T20*	T15/T20
 Power Bit	SDMD322 [†]	#2
	SDMD323 [†]	#3

*Not diamond tip

1/4" SHANK BITS

Valve and Stem Tools

SDMV208 Tire Valve Bit

- Designed for use with all Snap-on® ratcheting screwdrivers
- Similar to what is covered by the TR107A, TR108, TR117O screwdrivers
- 1/4" Hex insert bit, 1" length



SDMV208

INSERT BITS

TORX® Insert Bits



Type	Stock No.	#	A	B
	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 Insert Bits

+	Stock No.	A
	SDM3D24	.312

SDM3D24 Flat Tip/#2 PHILLIPS® 1/4" Hex Shank Insert Bit

- Double end bit PHILLIPS® #2 and .05" slotted tip
- For use with SDDM Series pocket screwdrivers



BLPPB0



BLPSQB2



BLPHBM3



BLPFB316



BLPHB532



BLPTB10TP



BLPTMBS1414



BLPTMBS3814

Bit Holder and 1/4" Bits (Blue-Point®)

Stock No.	Description	Size	Length, inches (mm)
BLPPB0	#0 PHILLIPS® Tip 1/4" Hex Shank Bit	#0	1 (25.4)
BLPPB1	#1 PHILLIPS® Tip 1/4" Hex Shank Bit	#1	1 (25.4)
BLPPB2	#2 PHILLIPS® Tip 1/4" Hex Shank Bit	#2	1 (25.4)
BLPPB3	#3 PHILLIPS® Tip 1/4" Hex Shank Bit	#3	1 (25.4)
BLPSQB1	#1 Square Tip Hex Shank Bit	#1	1 (25.4)
BLPSQB2	#2 Square Tip Hex Shank Bit	#2	1 (25.4)
BLPHBM3	3 mm Metric 1/4" Hex Shank Bit	3 mm	1 (25.4)
BLPHBM4	4 mm Metric 1/4" Hex Shank Bit	4 mm	1 (25.4)
BLPHBM5	5 mm Metric 1/4" Hex Shank Bit	5 mm	1 (25.4)
BLPHBM6	6 mm Metric 1/4" Hex Shank Bit	6 mm	1 (25.4)
BLPFB14	1/4" SAE Flat Tip Hex Shank Bit	1/4"	1 (25.4)
BLPFB316	3/16" SAE Flat Tip Hex Shank Bit	3/16"	1 (25.4)
BLPFB532	5/32" SAE Flat Tip Hex Shank Bit	5/32"	1 (25.4)
BLPFB732	7/32" SAE Flat Tip Hex Shank Bit	7/32"	1 (25.4)
BLPFB932	9/32" SAE Flat Tip Hex Shank Bit	9/32"	1 (25.4)
BLPHB14	1/4" SAE 1/4" Hex Shank Bit	1/4"	1 (25.4)


Stock No.	Description	Size	Length, inches (mm)
BLPHB18	1/8" SAE 1/4" Hex Shank Bit	1/8"	1 (25.4)
BLPHB316	3/16" SAE 1/4" Hex Shank Bit	3/16"	1 (25.4)
BLPHB532	5/32" SAE 1/4" Hex Shank Bit	5/32"	1 (25.4)
BLPHB732	7/32" SAE 1/4" Hex Shank Bit	7/32"	1 (25.4)
BLPHB964	9/64" SAE 1/4" Hex Shank Bit	9/64"	1 (25.4)
BLPTB10TP	T10 TORX® Tamper-Resistant 1/4" Hex Shank Bit	T10	1 (25.4)
BLPTB15TP	T15 TORX® Tamper-Resistant 1/4" Hex Shank Bit	T15	1 (25.4)
BLPTB20TP	T20 TORX® Tamper-Resistant 1/4" Hex Shank Bit	T20	1 (25.4)
BLPTB25TP	T25 TORX® Tamper-Resistant 1/4" Hex Shank Bit	T25	1 (25.4)
BLPTB30TP	T30 TORX® Tamper-Resistant 1/4" Hex Shank Bit	T30	1 (25.4)
BLPTMBS1414	1/4" Drive 1/4" Hex Shank Bit Holder	1/4"	1-1/16 (27)
BLPTMBS3814	3/8" Drive 1/4" Hex Shank Bit Holder	1/4"	1-1/16 (27)



- Do not use chrome or industrial finish hand tools with power drivers.
- Do not use bits with impact driver.
- Do not use screwdrivers as prybars, chisels or punches.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

POWER BITS

+ PHILLIPS® (Power)



Type	Stock No.	#	Tip	A	B
+ PHILLIPS®	SDM220A	#0	1/4	.125	1
	SDM320A	#0	1/4	.125	1-15/16
	SDM421B	#1	1/4	.187	2-3/4
	SDM521A	#1	1/4	.187	3-1/2
	SDM621A	#1	1/4	.187	6
	SDM422B	#2	1/4	.234	2-3/4
	SDM522A	#2	1/4	.234	3-1/2
	SDM622A	#2	1/4	.234	6
	SDM423B	#3	1/4	.234	2-3/4
	SDM523A	#3	1/4	.234	3-1/2
	SDM623A	#3	1/4	.234	6
	SDMA421	#1	5/16	.250	3
	SDMA422A	#2	5/16	.250	3
	SDMA423A	#3	5/16	.290	3
	SDMB422A	#2	7/16	.312	3
	SDMB522A	#2	7/16	.312	4-1/2
	SDMB622	#2	7/16	.312	6
	SDMB423A	#3	7/16	.312	3
	SDMB523A	#3	7/16	.312	4-1/2
	SDMB623A	#3	7/16	.312	6
	SDMB424A	#4	7/16	.375	3
	SDMB524A	#4	7/16	.375	4-1/2
	SDMB624A	#4	7/16	.312	6

+ PHILLIPS® ACR®/Removal (Power)




Type	Stock No.	#	Tip	A	B
+ PHILLIPS® ACR® Removal Bits	SDM361RA	#1	1/4	.187	1-15/16
	SDM362RA	#2	1/4	.234	1-15/16
	SDM363RA	#3	1/4	.234	1-15/16

+ PHILLIPS® ACR®/Installer (Power)



Type	Stock No.	#	Tip	A	B
+ PHILLIPS® ACR® Installer Bits	SDM361IA	#1	1/4	.187	1-15/16
	SDM362IA	#2	1/4	.234	1-15/16
	SDM363IA	#3	1/4	.234	1-15/16

— Flat Tip



Type	Stock No.	#	Tip	A	B
— Flat Tip	SDM311B	.026 x .122"	1/4	.187	1-15/16
	SDM511A	.026 x .122"	1/4	.187	3-1/2
	SDM411B	.026 x .122"	1/4	.234	3
	SDM312B	.026 x .134"	1/4	.187	1-15/16
	SDM512A	.026 x .134"	1/4	.187	3-1/2
	SDM412B	.026 x .134"	1/4	.187	3
	SDM313B	.032 x .154"	1/4	.187	1-15/16
	SDM413B	.032 x .154"	1/4	.187	3
	SDM513A	.032 x .154"	1/4	.187	3-1/2
	SDM314B	.034 x .187"	1/4	.187	1-15/16
	SDM414A	.034 x .187"	1/4	.187	3
	SDM514A	.034 x .187"	1/4	.187	3-1/2
	SDM614	.034 x .187"	1/4	.187	6
	SDM315A	.036 x .215"	1/4	.234	1-15/16
	SDM415A	.036 x .215"	1/4	.250	3
	SDM515A	.036 x .215"	1/4	.234	3-1/2
	SDM316A	.038 x .250"	1/4	.234	1-15/16
	SDM416A	.038 x .250"	1/4	.234	3
	SDM616	.038 x .250"	1/4	.234	6
	SDM516A	.038 x .250"	1/4	.234	3-1/2
	SDM317A	.042 x .275"	1/4	.234	1-15/16
	SDM417A	.042 x .275"	1/4	.234	3
	SDM517A	.042 x .275"	1/4	.234	3-1/2
	SDM318A	.046 x .312"	1/4	.234	1-15/16
	SDM418A	.046 x .312"	1/4	.234	3
	SDM518A	.046 x .312"	1/4	.234	3-1/2
	SDM319A	.050 x .360"	1/4	.234	1-15/16
	SDM419A	.050 x .360"	1/4	.234	3
	SDM519A	.050 x .360"	1/4	.234	3-1/2

★ Tamper-Resistant TORX®




Type	Stock No.	#	Length, inches
★ TORX® Tamper-Resistant Power Bit	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

POWER BITS

SCREWDRIVERS


★ TORX® (Power)



Type	Stock No.	#	Tip	A	B
	SDMT307A	T7	1/4	.140	1-15/16
	SDMT308A	T8	1/4	.140	1-5/16
	SDMT309A	T9	1/4	.140	1-5/16
	SDMT310A	T10	1/4	.140	1-5/16
	SDMT315A	T15	1/4	.140	1-5/16
	SDMT320A	T20	1/4	.203	1-5/16
	SDMT327A	T27	1/4	.203	1-5/16
	SDMT330A	T30	1/4	.250	1-5/16
	SDMT340A	T40	1/4	.250	1-5/16
	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
	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	


● Hex, inches (Power)



Type	Stock No.	#	Tip	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	.261	3
	SDMA4716	1/4	5/16	.261	3
	SDMA4720	5/16	5/16	.312	3
	SDMA4724	3/8	5/16	.312	3


✦ Pozidriv® (Power)



Type	Stock No.	#	Tip	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


■ Square



Type	Stock No.	#	Tip	A	B
	SDMT5301	#1	1-15/16		
	SDMT5302	#2	1-15/16		
	SDMT5601	#1	6		
	SDMT5602	#2	6		

● Hex, mm (Power)



Type	Stock No.	mm	Tip	A	B
	SDMM3702	2	1/4	.09	1-15/16
	SDMM37025	2.5	1/4	.11	1-15/16
	SDMM3703	3	1/4	.13	1-15/16
	SDMM3704	4	1/4	.18	1-15/16
	SDMM3705	5	1/4	.22	1-15/16
	SDMM3706	6	1/4	.27	1-15/16
	SDMM3707	7	1/4	.31	1-15/16
	SDMM3708	8	1/4	.36	1-15/16
	SDMM3710	10	1/4	.45	1-15/16



• Do not use bits with impact drivers.
• Read Safety Precautions on pages W1-W4

AWLS, HOOKS AND PICKS

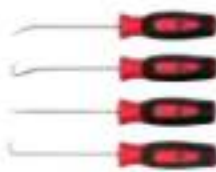


SH6ASA

Awls/Hard Grip SH6ASA Hard Grip Awl

- Use for scribing, alignment, O-ring removal, piercing holes in leather or fabric and cleaning crevices

Stock No.	Blade Length, inches (mm)	Overall Length, inches
SH6ASA	4-3/4 (121)	6-5/8



SG3ASA204CR

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

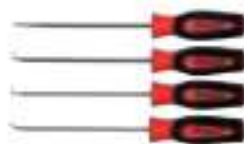
Miniature Awls, Hooks and Picks/Soft Grip

- Comfortable, nonslip Instinct® handle
- Strong special steel blades for lasting performance
- High-polish finish
- Blades are replaceable
- Use for scribing, alignment, O-ring removal, piercing holes in leather or fabric, and cleaning crevices

Stock No.	Description	Blade Length, inches (mm)	Overall Length, inches	Blade Diameter, inches	
SG3ASHCR	Instinct® Miniature Hook	3-1/8 (76)	6	1/8	•
SG3ASACR	Instinct® Mini Awl	3-1/8 (76)	6	1/8	•
SG3ASH45CR	Instinct® 45° Tip Miniature Pick	3-1/8 (76)	6	1/8	•
SG3ASH90CR	Instinct® 90° Tip Miniature Pick	3-1/8 (76)	6	1/8	•

Set Contains:

SG3ASA204CR



SGLASA604BR

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Awls and Hooks/Instinct® Soft Grip

- Use for scribing, alignment, O-ring removal, piercing holes in leather or fabric and cleaning crevices

Stock No.	Description	Blade Dia., inches	Overall Length, inches	Blade Length, inches (mm)		
SG4ASHBR	Instinct® Hook	1/4	8	3-3/4 (95)	•	
SG4ASABR	Instinct® Awl	1/4	8	3-3/4 (95)	•	
SG5ASABR	Instinct® Awl	1/4	9-5/8	4-3/4 (121)	•	
SG7ASABR	Instinct® Awl	1/4	10-5/8	5-3/4	•	
SGL6ASABR*	Instinct® Long Heavy-Duty Awl	3/16	10-5/32	6 (152)	•	
SGL6ASO45BR*	Instinct® Long Heavy-Duty 45° Offset Pick	3/16	10-5/32	6 (152)	•	
SGL6ASH45BR*	Instinct® Long Heavy-Duty 45° Pick	3/16	10-5/32	6 (152)	•	•
SGL6ASH90BR*	Instinct® Long Heavy-Duty 90° Pick	3/16	10-5/32	6 (152)	•	•
SGL12ASH45BR*	Instinct® Long Heavy-Duty 45° Pick	3/16	16-5/32	12 (305)	•	
SGL12ASH90BR*	Instinct® Long Heavy-Duty 90° Pick	3/16	16-5/32	12 (305)	•	

Set Contains:

SGLASH1204BR*
SGLASA604BR*
SG4ASA104BR

SGLASA604 and SGLASH1204 sets feature:

- Heavy-duty alloy replaceable steel blades for strength
- Exclusive 45° tip geometry is ideal for pulling wires in tight areas
- Longer blades offer better access in hard-to-reach areas
- Larger handles for a comfortable, secure grip

AWLS, HOOKS AND PICKS

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

Stock No.	Description	Blade Diameter, inches	Overall Length, inches	Blade Length, inches (mm)	
SGL3ASHCR*	Instinct® Long Miniature Hook	9/64	9-23/32	7 (178)	•
SGL3ASACR*	Long Mini Awl	9/64	9-23/32	7 (178)	•
SGL3ASH45CR*	Instinct® Long 45° Tip Miniature Pick	9/64	9-23/32	7 (178)	•
SGL3ASH90CR*	Instinct® Long 90° Tip Miniature Pick	9/64	9-23/32	7 (178)	•

Set Contains:



SGL3ASH204CR

Colors Available



Red Orange Green

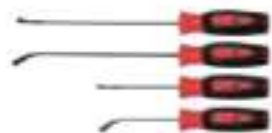
* R O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Seal Removal Tools/Soft Grip

- Rounded tip with blended radius edge allows easy removal of seals or O-rings while reducing chance of damage to seal or finished surface
- (2) tip configurations and (2) blade lengths handle most seal removal situations
- Industrial black finish blades
- Applications include 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

Stock No.	Tip Style	Description	A	B	
SGSR1AR	Spoon	Soft Grip Spoon Seal Removal Tool	5-11/4	8	•
SGSR2AR	Spoon	Soft Grip Spoon Seal Removal Tool	2-1/2	5-11/32	•
SGSR3AR	Contoured	Soft Grip Contoured Seal Removal Tool	2-1/2	5-11/32	•
SGSR4AR	Contoured	Soft Grip Contoured Seal Removal Tool	5-1/4	8	•

Set Contains:



SGSR104AR

Colors Available



Red Orange Green

* R O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

STANDARD AND EXTRA LONG AWLS, HOOKS AND PICKS

Picks and Scribes/Extra-Long (Blue-Point®)

- Use to separate wires, remove small fuses, O-rings, retrieve small parts or mark metal and plastic surfaces
- Shank diameter is 0.02" thicker than standard picks for added durability and extended tool life
- Each pick is 9-3/4" (248 mm) long

Stock No.	Description		
PSLR4-1 [†]	Extra-Long Hook Pick	•	•
PSLR4-2 [†]	Extra-Long 90° Hook Pick	•	•
PSLR4-3 [†]	Extra-Long Straight Pick	•	•
PSLR4-4 [†]	Extra-Long Complex Pick	•	•
PSLR4-5 [†]	Extra-Long Combination Pick	•	•
PSLR4-6 [†]	Extra-Long Double Angle Pick	•	•

Set Contains:

PSLR4[†] PSLR6[†]

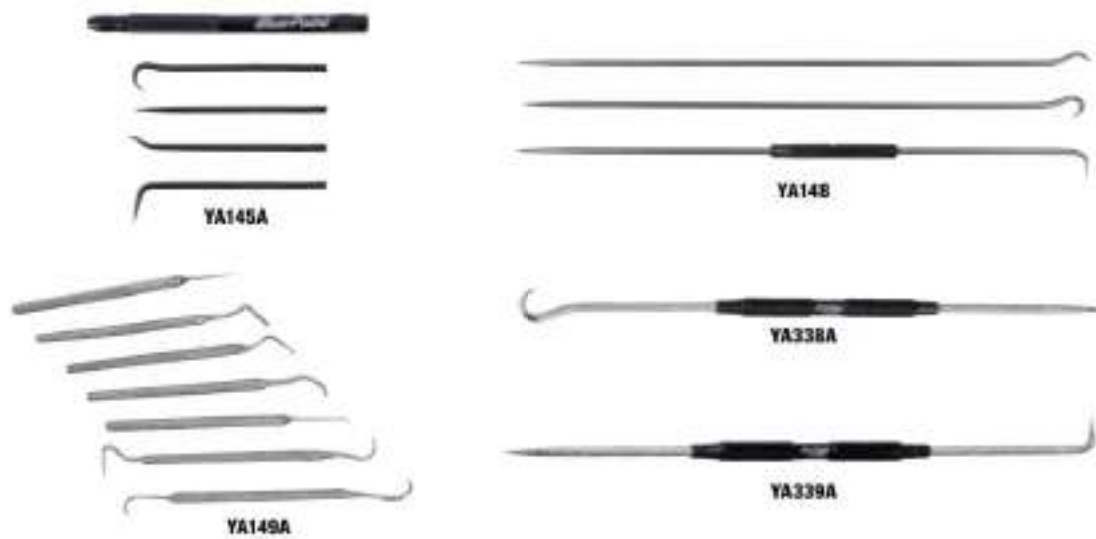


PSLR6



- Do not use "cheater bars" on prybars.
- Do not use bits with impact driver.
- Do not use awls, hooks or picks as prybars or punches.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P5-P2 for details.
- Read Safety Precautions on pages W1-W4

STANDARD AND EXTRA LONG AWLS, HOOKS AND PICKS



Picks and Scribes (Blue-Point®)

Stock No.	Description	Overall Length (assembled to handle), inches	Set Contains:		
			YA145A	YA148	YA149A
YA145-1	Straight Tip Pick (Blue-Point®)	7-7/16	•		
YA145-2	90° Tip Pick (Blue-Point®)	7-7/16	•		
YA145-3	Hook Tip Pick (Blue-Point®)	7-7/16	•		
YA145-4	O-Ring Angle Tip Pick (Blue-Point®)	7-7/16	•		
YA145A-5	Black Anodized Handle (Blue-Point®)	—			
YA148-1	Scribe—Straight/90° Tip (Blue-Point®)	11-5/8		•	
YA148-2	Scribe—Straight/Hook (Blue-Point®)	11-1/2		•	
YA148-3	Scribe—Straight/Double Bend (Blue-Point®)	11-7/8		•	
YA149-1	Straight Pointed Pick (Blue-Point®)	5-1/2			•
YA149-2	Curved with 90° Pointed Pick (Blue-Point®)	5-1/4			•
YA149-3	45° with Flat Tip Pick (Blue-Point®)	5-1/2			•
YA149-4	90° Pointed Pick (Blue-Point®)	5-1/2			•
YA149-5	Double Ended Short Pick (Blue-Point®)	6-3/16			•
YA149-6	Double Ended Long Curve Pick (Blue-Point®)	6-1/2			•
YA149-7	Half Circle Pointed Pick (Blue-Point®)	5-3/8			•
YA338A ¹	Straight/Hook Scribe	8-1/8			
YA339A ²	Straight/90° Scribe	8-1/8			

YA145A¹ 4 pc Pick/Scribe Set (Blue-Point®)

- Compact set with (4) interchangeable threaded blades
- Black anodized aluminum handle with laser-etched Blue-Point® logo for better visibility
- Includes storage pouch
- High-quality carbon steel blades
- Made in USA

YA148 3 pc Adjustable Pick/Scribe Set (Blue-Point®)

- Thicker 3/16" dia. blades resist bending
- Longer length for greater reach into tight work areas
- Handle can be adjusted along length of blade
- Includes pouch
- Made in USA

YA149A 7 pc Pick Set (Blue-Point®)

- Includes (5) 5-1/2" single-ended and (2) 7" double-ended probes made of tempered stainless steel
- Stainless steel picks avoid corrosion
- Includes pouch

Striking Prybars/Straight Edge

- Straight tip design perfect for prying applications and turning slotted fasteners
- Manufactured from special alloy steel, precision forged and heat treated for optimum strength and durability
- Straight tip design for maximum leverage in tight spaces
- Durable ergonomic handle features a tapered design for comfortable grip and withstands extreme work environments
- Blade extends through the handle and contacts the metal end cap to provide a continuous, solid striking force
- Flared end of handle offers protection from off-center handle strikes



Colors Available

Red Orange Green Black
* R O G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Stock No.	Tip Width, inches	Square Shank, inches	Length, inches (mm)
MPBS10A	23/64	1/4	10-3/8 (264)

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. Can be used to pry apart relays, fuses and wiring connectors
- Strong glass-reinforced nylon offers the rare combination of flexibility and strength
- While the non-marring composite material will not scratch soft metals, painted surfaces or other composite material, do not use this tool on glass, laminates or acrylic material
- Note: Not intended for live electrical use.



Stock No.	Description	Length, inches	Tip Style	Tip Width, inches	
PPN1030	7" Dual Tip Narrow Prying/Smoothing Tool	7	Narrow, Dual Tip	1/8 and 9/32	•
PPN2040	7" Medium Dual Tip Prying/Smoothing Tool	7	Medium, Dual Tip	3/16 and 3/8	•
PPN4050	7" Wide Dual Tip Prying/Smoothing Tool	7	Wide, Dual Tip	3/8 and 1/2	•
PPBN18	Micro-Angle Tool (3/16")	6-9/16	3/16" Angle Tip	3/16	•
PPBN32	Micro-Angle Tool (5/16")	6-9/16	5/16" Angle Tip	5/16	•
PPBN48	Micro-Angle Tool (1/2")	6-9/16	1/2" Angle Tip	1/2	•

Sets include vinyl pouch.

Striking Crown Handle Prybars

- 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
- Handle resists extreme temperatures
- 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
- Blade is permanently stamped with product information and has an industrial finish (protects against corrosion)



Colors Available

Red Orange Green
R O G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Stock No.	Bar Stock Size, inches	Tip Width, inches	Handle Length, inches	Length with Handle, inches
SPBH30R	7/8	1-1/8	10-3/8	30
SPBH48R	3/4	1-1/8	10-3/8	48
SPBH54R	3/4	1-1/8	10-3/8	54

Brake Tool Prybar

MPBS1140AO 40° Brake Tool Prybar

- Strong 3/8" square alloy steel bar with straight tip
- 11" total length with 40° offset ensures access into tight wheel wells
- Durable, ergonomic handle features a tapered design for comfortable grip and withstands extreme work environments
- Ideal for prying applications such as brake components and calipers



Stock No.	Handle Length, inches	Square Shank, inches	Tip Width, inches
MPBS1140AO	5-1/2	3/8	3/8



- Do not use "cheater bars" on prybars.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4

PRYBARS



SPBS704AR



SPBSDC705FR

Colors Available



Red Orange Green Black

R O G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Striking Prybars

- 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
- Blade manufactured from special alloy steel, precision forged and heat treated for strength and durability
- Industrial finish to protect against corrosion

Set Contains:

SPBSDC705F*
SPBS704A

Stock No.	Description	Length, inches	Square Shank, inches	Tip Width, inches		
SPBS8A	8" Striking Prybar	8	1/4	7/16	•	•
SPBS12A	12" Striking Prybar	12	3/8	5/8	•	•
SPBS18A	18" Striking Prybar	18	7/16	23/32	•	•
SPBS24A	24" Striking Prybar	24	7/16	13/16	•	•
SPBS36A	36" Striking Prybar	36-5/8	5/8	1-3/8		
SPBS42A	42" Striking Prybar	42-1/4	5/8	1-5/8		

*SPBSDC705F sets include SPDC18 18" Demolition Chisel in a foam organizer



PBMSR



PBMB5

Colors Available



Red Orange Green Black

R O G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Mini Pocket Prybars

- Ideal for prying, separating small parts, inspecting surfaces and turning small slotted fasteners
- Strong 3/16" dia. alloy steep blade
- Acetate handle with pocket clip resists most shop chemicals and fluids
- Made in USA

Stock No.	Description	Length, inches (mm)	Exposed Blade Length, inches (mm)
PBMSR	5" Straight Tip Mini Pocket Prybar	5-5/32 (131)	2-23/64 (60)
PBMB5R	5" Angle Tip Mini Pocket Prybar	5-5/32 (131)	2-23/64 (60)



PBMP703A

Multi-Position Prybars

- 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

Set Contains:

PBMP703A

Stock No.	Description	Length, inches	Tip Width, inches	
PBMP8A	8" Multi-Position Prybar	8	1/2	•
PBMP12A	12" Multi-Position Prybar	12	5/8	•
PBMP16A	16" Multi-Position Prybar	16	5/8	•
PBMP24A	24" Multi-Position Prybar	24	1	
PBMP36A	36" Multi-Position Prybar	36	1	

PRYBARS



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

Set
Contains:

PBN500

Stock No.	Tip Style	Length, inches	Tip Width, inches	
PBN1	Narrow Wedge	6-3/4	5/8	•
PBN2	Wide Wedge	6-3/4	15/16	•
PBN3	Narrow Fork	6-3/4	7/8	•
PBN5	Wide Fork	6-3/4	1-3/16	•
PBN7	Flat Fork	6-3/4	1-3/8	•
PBN10	90° L	6-3/4	5/8	
PBN15	90° Pry Tool	6-3/4	1-1/4	



PBFT10

Prying/Fabrication Tools

Stock No.	Tip Width, inches	Length of Radius (working end), inches	Overall Length, inches
PBFT10	1/2	1-3/4	7

PBFT10 Metal Pry/Fabrication Tool (Blue-Point®)

- Slim radius taper end for optimum blend of strength and access
- Unique design fits in tight gaps and can be used in tandem with separate mated parts
- Made from strong 4140 alloy steel
- Includes holes for tethering



1412A



7030A



BLPPB704

Pinch Bars

- Pinch bars have a tapered point on one end and a chisel-type edge on the other

Close Quarters Bars

- Powerful leverage where space is at a premium
- Ideal for aligning molds

Stock No.	Description	Length, inches	Stock, inches
7030A	9" Close Quarter Prybar (Blue-Point®)	9	3/8
1412A	14" Pinch Prybar (Blue-Point®)	14	1/2
1658C	16" Pinch Prybar (Blue-Point®)	16	1/2
7031A	16" Close Quarter Prybar (Blue-Point®)	16	1/2
7032	18" Close Quarter Prybar (Blue-Point®)	18	5/8
2420A	20" Pinch Prybar (Blue-Point®)	20	3/4
2430C	30" Pinch Bar Prybar (Blue-Point®)	30	3/4
2438C	38" Pinch Prybar (Blue-Point®)	38	3/4
2842C	42" Pinch Prybar (Blue-Point®)	42	7/8

BLPPB704 4 pc Pinch Bar Prybar Set (14-20") (Blue-Point®)

- Includes 1412A (14") and 2420A (20") Pinch Bars, 7031A Close-Quarters Bar (16") plus BPPC1878 Flat Chisel (18")



- Do not use "beater bars" on prybars.
- Read Safety Precautions on pages W1-W4

PRYBARS



PBS704

Rolling Head Prybars

- Rolling head acts as fulcrum and provides leverage
- Pointed end is useful in many aligning applications

Set
Contains:

PBS704

Stock No.	Length, inches	Stock, inches	
650	6	5/16	•
1250	12	7/16	•
1650	16	9/16	•
2050	20	11/16	•



PBHC48

Heavy-Duty Prybars

- Prybars feature a rubber grip that eliminates contact with rust and damaged surfaces and protects the bar from damage during transit
- Grip offers a nonslip surface that provides a secure gripping surface/leverage, when hands are wet, sweaty or oil covered

Stock No.	Tip Style	Length, inches	Weight, lb
PBHC48	1-1/8" Straight Chisel, 2" Offset Chisel	48	11.25
PBHC60	1-1/8" Straight Chisel, 2" Offset Chisel	60	14.25



7035

Die Setter Bars

- Designed for separating, scraping or prying

Stock No.	Description	Length, inches	Tip Width, inches	Stock, inches
7035	16" Die Setter Prybar (Blue-Point®)	16	7/16	5/8
7037	30" Die Setter Prybar (Blue-Point®)	30	9/16	3/4



1658C

General Service Tools

Stock No.	Description	Length, inches	Edge, inches	Stock, inches
1658C	16" Pinch Prybar (Blue-Point®)	16	5/8	1/2
2420A	20" Pinch Prybar (Blue-Point®)	20	15/16	3/4
2430C	30" Pinch Bar Prybar (Blue-Point®)	30	5/8	3/4



NPB124B

Wrecking Bars

- Slotted claw on "gooseneck" end and a chisel configuration on opposite end

Stock No.	Description	Length, inches	Stock, inches
NPB124B	Wrecking Bar 24" Prybar (Blue-Point®)	24	3/4

PLIERS/CUTTERS SETS

PLIERS



102LNCP



PL305ACF



PL306ACF



PL307ACF



PL330ACF



PL400B



PL403A



PL600ES1FR



PL600ES1RK



PL600ES2FR



PL600ES2RK



PL803A



PLR300

Pliers and Cutters Sets

Stock No.	Description	Set Contains:												
		102LNCP	PL305ACF*	PL306ACF*	PL307ACF*	PL330ACF*	PL400B*	PL403A*	PL600ES1FR**	PL600ES1RK**	PL600ES2FR**	PL600ES2RK**	PL803A*	PLR300*
415CP	15" Long-Neck 35° Bent Needle Nose Pliers		*											
915CP	10" Long-Neck Needle Nose Pliers		*											
44ACF	4" Combination Slip Joint Pliers			*						*				
95ACF	6" Needle Nose Pliers		*							*	*			
84CF	4" Diagonal Cutter												*	
85ACF	5" Diagonal Cutter			*						*	*			
786CF	6" Diagonal Flush-Cut Pliers									*	*			
46ACF	6" Combination Slip Joint Pliers				*					*	*			
96ACF	8" Needle Nose Pliers			*						*				
86ACF	6" Diagonal Cutter				*								*	*
47ACF	8" Combination Slip Joint Pliers					*				*	*	*	*	
97ACF	8" Needle Nose Pliers					*				*	*		*	
87ACF	7" Diagonal Cutter					*				*	*		*	
49ACF	9" Combination Slip Joint Pliers						*			*				
911ACF	11" Needle Nose Pliers						*			*	*		*	
312CF	11" Heavy-Duty Diagonal Cutter						*			*	*		*	
57CF	7" Heavy-Duty Combination Pliers												*	
91ACP	9" Adjustable Joint Interlocking Channel Pliers									*			*	
PWCS7ACF	7" Wire Stripper/Cutter/Crimper											*	*	
29ACF	9" Wire Terminal Crimping Tool											*	*	
388ACF	8" High-Leverage Diagonal Cutter											*	*	
61CF	6" Duck Bill Pliers											*	*	
KAPL10	10" Pliers Organizer											*		

Sets include storage tray.
*Sets shown include foam organizer.

See product details on following pages.

Colors Available



* O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



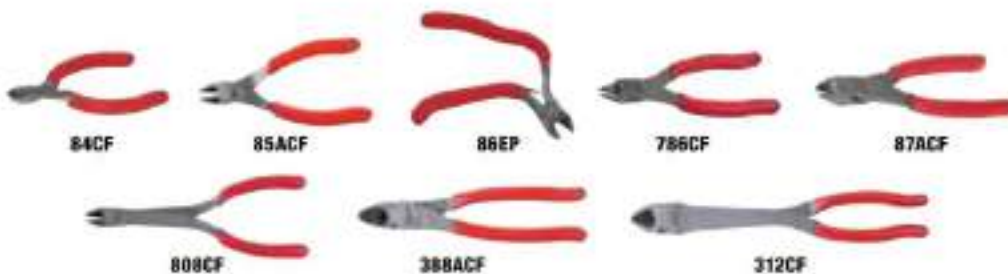
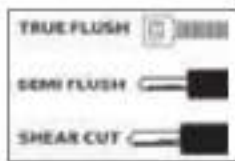
- Do not use "cheater bars" on prybars.
- Plastic-coated handle does not protect against electric shock.
- Do not use chrome or industrial finish hand tools with impact drivers.
- Do not use power sockets or accessories with impact drivers.
- Read Safety Precautions on pages W1-W4.

PLIERS/CUTTERS SETS

True Flush: Blades cut stranded wire ends and zip tie ends flat, allowing protruding 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



Colors Available



• ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Diagonal Cutters (Natural)

- VectorEdge tightly toleranced, induction-hardened, parallel cutting edges are engineered to provide repeated cuts of hard wire, soft wire, spring steel, and cable ties at all locations along the blades
- DURABLE: Natural steel finish with clear coating; cold-forged special alloy steel; strength and durability, protects against corrosion, provides years of reliable performance
- LEVERAGE: Long contoured handle; joint positioned closer to the cutting edge; comfortable with increased leverage
- COMFORT: Cushioned plastisol handles; comfort and control to reduce fatigue

VectorEdge

Stock No.	Description	A	B	C	
84CF*	4" Diagonal Cutter	Bowed	3/8	4-3/4	•
85ACF*	5" Diagonal Cutter	Bowed	9/16	5	•
86EP	6" Pistol Grip Diagonal Cutter	Pistol	3/4	6-5/16	
786CF*†	6" Diagonal Flush-Cut Pliers	Bowed	3/4	6-5/16	
87ACF*	7" Diagonal Cutter	Bowed	13/16	7-3/8	•
808CF*	7" Long Mini Diagonal Cutter	Bowed	9/16	6-15/16	•
388ACF*	8" High-Leverage Diagonal Cutter	Bowed	1-1/16	6-5/16	•
312CF*	11" Heavy-Duty Diagonal Cutter	Long Handle	13/16	11	•

† For plastic and soft wire only

CUTTERS



Cushion-Throat Cutters

- Urethane insert in jaws captures clipped material, reducing the likelihood of work environment contamination
- Retention of wire clippings enhances worker safety by preventing projectile material from being scattered throughout the worksite
- Handles are designed for comfort and deliver the leverage needed to tackle the most demanding jobs
- Quality forged steel ensures tools will provide years of service
- Fluorescent urethane formula helps reduce the potential of leaving the tool behind—just shine a UV light on the head of the cutter to activate its illuminating effect

Stock No.	Description	A	B	C
84CFCTA	Cushion-Throat Diagonal Cutter	Bowed	3/8	4-3/4
86ACFCT	Cushion-Throat Diagonal Cutter	Bowed	3/4	6-5/16
P8715OACT	Cushion-Throat 5" Oval Cutter—True Flush Cut	Bowed	17/32	5-3/16
87ACFCT	7" VectorEdge Diagonal Cutter	Bowed	13/16	7-3/8
388ACFCT	8" High-Leverage Cushion-Throat Diagonal Cutter	Bowed	1-1/16	6-5/16
786CFCT	6" Diagonal Flush-Cut Cutter with Cushion Throat	Bowed	3/4	6-5/16
312CFCT	11" VectorEdge Heavy-Duty Cushion-Throat Diagonal Cutter	Long Handle	13/16	11



Colors Available



* ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

P-Series Cutting Pliers

- Diagonal cutting pliers with a tapered head for reaching tight spaces without compromising cutting performance
- Cutting-edge geometry strikes a balance between sturdiness and sharpness, resulting in clean cuts that can last for as long as 200,000 cycles
- Heat-treated frame provides exceptional tool life
- Hot-forged technology aligns grain structure of proprietary alloyed steel to follow the profile of the shanks, giving the pliers extraordinary tenacity and toughness
- Precision grinding in the joint greatly reduces friction, providing smooth operation without lubrication
- Screw joint minimizes friction and maximizes jaw alignment

- Internal torsion spring returns the pliers to the opening position, keeping the tools always ready to work while minimizing hand fatigue
- Staking of the screw threads helps to stop the screw from backing out

True Flush: Blades cut stranded wire ends and zip tie ends flat, allowing protruding 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

Stock No.	A	B	C	D	E	Wire Diameter, mm	Cut Type	Head Style
P86145A	109	10.6	12.5	13.1	13.2	0.30-1.25	Semi-Flush	End
P88145A	115	11.7	12.5	6	0.8	0.30-1.60	Semi-Flush	Tapered
P88145RA	115	11.7	12.5	6	0.8	0.30-1.25	Semi-Flush	T&R
P88150RA	130	13.8	15.8	8	1.1	0.40-1.60	Semi-Flush	T&R
P87150A*	130	13.6	15.8	8	1.1	.40-1.60	True Flush	Oval
PL88145A	178	11.7	12.5	6	0.8	0.30-1.60	Semi-Flush	Tapered

* Use on plastic and zip ties

PLP300A 3 pc Precision Pliers Set

- Set includes (1) P87150A Cutting Pliers, (1) P92055A 4-1/2" Snipe Nose Pliers and (1) P91045A 5-1/2" Needle Nose Pliers



Colors Available



* ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

P-Series Precision Pliers

- Hot-forged technology aligns the grain structure of proprietary alloyed steel to follow the profile of the shanks, giving the pliers extraordinary tenacity and toughness
- Heat-treated frame provides exceptional tool life
- Precision grinding in the joint greatly reduces friction, providing smooth operation without lubrication
- Screw joint minimizes friction and maximizes jaw alignment
- Internal torsion spring returns the pliers to the opening position, keeping the tools always ready to work while minimizing hand fatigue
- Staking of the screw threads helps to stop the screw from backing out

Stock No.	Description	A	B	C	D	E	F	Jaw Style	Head Style
P90050A	5" Round Nose Pliers	127	26	12.5	7.6	2.9	1.2	Smooth	Round
P91045A*	4-1/2" Snipe Nose Pliers	121	20	12.5	7.6	1.8	1.9	Serrated	Short
P91055A	5-1/2" Snipe Nose Pliers	144	43	12.5	7.6	1.8	1.9	Serrated	Long
P91355A	5-1/2" 45° Bent Needle Nose Pliers	141	45.5	12.5	7.6	1.8	1.9	Serrated	45°
P92055A*	5-1/2" Needle Nose Pliers	145	44	12.5	7.6	1.8	1.9	Serrated	Long
P92650A	5" 90° Bent Needle Nose Pliers	125	31	12.5	7.6	1.8	1.9	Serrated	90° Bent
P93050A	5" Flat Nose Pliers	129	28	12.5	7.6	1.8	1.9	Smooth	Flat



- Plastic coated handle does not protect against electric shock.
- Read Safety Precautions on pages W1-W4.

SPECIAL PURPOSE



EPC160



HL138ACP



5CF

Colors Available



* O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



Pliers/Special Application

Stock No.	Description	A	B	C	D	F
EPC160	Plastic and Soft Wire Flush Cutter	7	3/4	27/32	13/32	1/16
HL138ACP*	8" High-Leverage Combination Pliers	7-7/8	1-1/16	1-3/16	1/2	—
5CF*	5" Ignition Pliers	4-3/4	1/4	7/16	1/4	5/64

EPC160 Plastic and Soft Wire Flush 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
- The unique jaw design makes it ideal for cutting plastic, rubber and vinyl (do not use for cutting metal)

HL138ACP* 8" High-Leverage Combination Pliers

- Reduces effort for cutting and gripping by up to 75%
- 1-1/16" jaw opening
- Cushioned plastisol handles for comfort and leverage to reduce fatigue

5CF* 5" Ignition Pliers

- Ideal for extremely small work
- Serrated jaws
- Bowed and cushioned plastisol handles for comfort and leverage to reduce fatigue



497ACF



490CF



612AEP



912AEP



Colors Available



* O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Special Purpose Pliers

- Bent Nose—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
497ACF*†	7" 60° Angle Jaw Needle Nose Pliers	1-3/8	7-1/4
490CF*	9-1/2" 90° Bent Needle Nose Pliers	1-5/8	9-5/8
612AEP	10" Pistol Grip Needle Nose Pliers	1-3/8	9-3/4
912AEP	11" Pistol Grip Needle Nose Pliers	2-1/4	10-5/8

*Talon Grip™

Needle Nose, Talon Grip™

- Talon Grip™ diamond-serrated jaws provide precise gripping strength and increased pulling power; jaw tips are perfectly aligned
- Rounded jaw edges minimize nicks to the wire when making loops or bends
- Jaw tips are perfectly aligned and feature machined teeth for precise gripping strength with positive control
- Longer contoured handle with joint location provides higher leverage and increased comfort
- Talon Grip™ diamond-serrated jaws; jaw tips are perfectly aligned; Precise gripping strength; increase in pulling power
- Leverage: Long contoured handle and joint location; Comfortable with increased leverage
- Control: Rounded jaw edges minimize nicks to the wire when making loops or bends
- Accessible: Ramped tips; Stronger jaws and increased accessibility
- Durable: Natural steel finish with clear coating is made with special alloy steel; cold-forged for strength and durability; protects against corrosion
- Tough: Differential heat treatment; strength and toughness allows for long product life
- Comfort: Cushioned grip handles; comfort and control to reduce fatigue

Set Contains:

PL935CF*

Stock No.	Description	B	C	
196ACF*†	8" Long Nose Pliers with Cutter	2-1/4	8	
196ANCF*†	8" Long Nose Pliers with Cutter and Side Fastener	2-1/4	8	
597ACF	8" Pin Gripping Pliers	1-3/16	8-7/8	
94CF*	5" Needle Nose Pliers	1-1/8	6-13/32	
95ACF*	6" Needle Nose Pliers	1-13/32	6-1/32	
96ACF*	8" Needle Nose Pliers	2-1/8	7-25/32	
97ACF*	9" Needle Nose Pliers	3-1/2	8-13/16	
495CF*	6" 35° Bent Needle Nose Pliers	1-13/32	6-1/32	*
496CF*	7" 35° Bent Needle Nose Pliers	2	7-13/16	*
9735CF*	8" 35° Bent Needle Nose Pliers	3-11/32	8-5/8	*

†Rated to cut .040" dia. music wire



196ACF



496CF



597ACF



94CF

Colors Available



* O G
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

NEEDLE NOSE/LONG

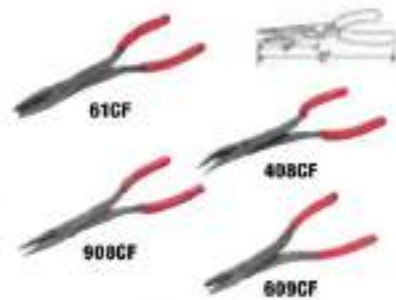
Electronic Service, Talon Grip™

- Talon Grip™ diamond serrated jaws provide a better grip, supplying up to 57% increase in pulling power
- Compact needle nose jaws and longer reach provide increased access in tight working conditions
- The 35° bent nose design, coupled with more compact jaws and longer reach, provide increased access in tight and awkward working conditions (408CF)
- Ideal for holding and twisting safety wire in aviation, marine and FOD applications (609CF)
- Cushioned plastic handles are designed for comfort and leverage to reduce fatigue
- Manufactured from special high-alloy steel for durability and strength

Stock No.	Description	B	C	
61CF	8" Duck Bill Pliers	1-29/64	8-3/8	
408CF	9" Stork Bent Needle Nose Pliers	1-5/8	8-1/2	•
908CF	9" Stork Needle Nose Pliers	1-45/64	8-5/8	•
609CF	9" Stork Duck Bill Pliers	1-3/8	9-21/64	•

Set Contains:

PL30ACF



Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Long Reach

- 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	
415CP	15" Long-Neck 35° Bent Needle Nose Pliers	2-7/8	14-3/8	
411CF*	11" Long-Neck 35° Bent Needle Nose Pliers	1	10-7/8	
911ACF*	11" Needle Nose Pliers	3-3/16	11	
915CP	15" Long-Neck Needle Nose Pliers	3-3/16	14-1/2	

Talon Grip™



Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

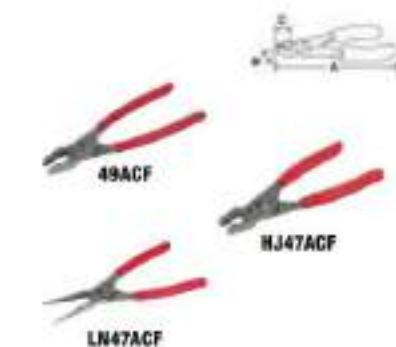
Combination, Talon Grip™

- Talon Grip™: Diamond-serrated jaws mean better grip and up to a 57% increase in pulling power
- Third position gives a wider jaw spread for pieces that are difficult to grasp
- Precise: Smooth, clean cuts with less hand pressure; shear cutter and rounded jaw edges
- Durable: Cold-forged, natural steel finish with clear coating; special alloy steel means strength, durability and protection against corrosion
- Comfort: Vinyl grips provide comfort and control
- Accessibility: Patented three-position joint with adjustable jaw width means more opening options and a wider spread
- Leverage: Long, contoured handle provides comfort and increased leverage

Stock No.	Description	A	B	
44ACF	4" Combination Slip Joint	4-1/2	15/64	•
46ACF	6" Combination Slip Joint	6-7/16	23/64	•
47ACF	8" Combination Slip Joint	8-1/4	7/16	•
49ACF	9" Combination Slip Joint	9-1/4	1/2	
HJ46ACF	6" Flank Jaw Combination Slip Joint	6-7/16	23/64	
HJ47ACF	Combination Slip Joint	8-1/4	7/16	
LN47ACF	9" Long Nose Slip Joint	9-1/2	5/32	

Set Contains:

PL40JA



Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS

Two-position jaw



- Plastic coated handle does not protect against electric shock.
- Read Safety Precautions on pages W1-W4

LINEMAN'S/HEAVY-DUTY



Heavy-Duty Combination 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

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Stock No.	Description	A	B
137ACF	Heavy-Duty Combination Slip Joint	8-3/16	27/64
57CF	7" Heavy-Duty Combination Pliers	7-1/2	1/2
59CF	9" Heavy-Duty Combination Pliers	9-5/16	9/16

ADJUSTABLE JOINT



Tongue-and-Groove

- Special tongue-and-groove design that assures nonslip jaw action
- Unique fastener system inhibits side-to-side jaw wobble for added strength and smoother operation

Set Contains:

AWP404

Stock No.	Description	A	B	C	
AWP120	12" Adjustable Joint Pliers	7	2-3/16	12-3/4	•
AWP160	16" Adjustable Joint Pliers	8	3-13/16	16-3/4	•
AWP45	5" Adjustable Joint Pliers	3	1/2	4-3/4	•
AWP65	7" Adjustable Joint Pliers	5	7/8	7	•
CHN410	Parrot Jaws Adjustable Joint Pliers (Blue-Point®)	5	1-1/2	10-1/8	

Set includes storage tray



Standard/Adjustable Joint

- 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*	9" Adjustable Joint Interlocking Channel Pliers	6	1-3/8	9-1/4
CHN480	20" Adjustable Joint Pliers (Blue-Point®)	11	5-1/2	20

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

LOCKING PLIERS

PLIERS



LP Series

Stock No.	Description	A	B	
LP5SLIM	5" Slim Jaw Locking Pliers	1-5/32 (30)	5 (135)	
LP7SLIM	7" Slim Jaw Locking Pliers	1-5/8 (42)	7 (180)	
LP5WR	Curved Jaw with Outer Locking Pliers	1-5/32 (30)	5 (135)	•
LP6LN	Long Nose Locking Pliers	2-1/8 (55)	6 (165)	•
LP7WR	7" Curved Jaw with Cutter Locking Pliers	1-5/8 (42)	7 (190)	•
LP10WR	Curved Jaw with Outer Locking Pliers	2-7/16 (63)	10 (235)	•
LP7R	Locking Pliers	1-5/8 (42)	7 (190)	
LP10R	Locking Pliers	2-7/16 (63)	10 (235)	
LP10LN	Locking Pliers	2-3/4 (70)	10 (235)	
LP7F [†]	7" Flat Jaw Locking Pliers	1-1/2 (38.1)	7 (177.8)	
LP7WC [†]	7" Locking Pliers with Cutter	1-1/2 (38.1)	7 (177.8)	
LP10F [†]	10" Flat Jaw Locking Pliers	2 (50.8)	10 (235)	
LP10WC [†]	10" Locking Pliers with Cutter	2 (50.8)	10 (235)	

LP5SLIM 5" Slim Jaw Locking Pliers

- Used for removal of socket-style sway bar links
- Thinner jaws fit between the 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

LP7WC 7" Locking Pliers with Cutter

LP7F 7" Flat Jaw Locking Pliers

- Power Ring (Patent Pending) provides increased thread strength, providing increased clamping force up to 4,000 lb
- Pinned and brazed upper jaw ensures a superior bond between the upper jaw and the pliers body, even under extreme use
- Oversized adjustment screw with wide head provides a comfortable gripping surface, making adjustments easier on hands

- Adjustment screw accepts a 1/4" hex key for added versatility while adjusting clamping pressure
- Unique broaching technique allows for the sharpest of teeth
- Smooth and polished trigger allows for easy release
- Bright nickel finish for classic look and feel
- Made in the USA

LP10WC 10" Locking Pliers with Cutter

LP10F 10" Flat Jaw Locking Pliers

- Power Ring (patent pending) provides increased thread strength and greater clamping force up to 5,000 lb
- Adjustment screw accepts a 5/16" hex key for added versatility while adjusting clamping pressure
- Textured body and lever increase grip on the tool when working with dirty, oily hands
- Bright nickel finish for classic look and feel
- Made in the USA



Locking Pliers/Standard Grip (Blue-Point®)

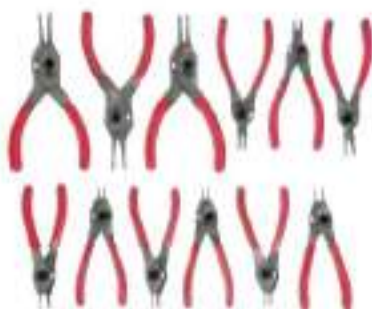
- Made from high grade heat-treated steel alloys, the hardened precision ground jaws "lock" onto work pieces that are difficult to hold
- Adjusting screws ensure fine adjustments for precise gripping
- Soft grip series improves comfort while resisting damage from oil and grease

Stock No.	Description	Grip Style	A	B	
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	•



- Plasticated handle does not protect against electric shock.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P3 for details.
- Read Safety Precautions on pages W1-W4.

RETAINING RING



SRPCR112



SRPCR107



SRPCR105

Snap Ring Pliers

- Convert from internal to external rings with push-button quick-release design; up to 80% faster than the previous SRPC design
- Manufactured from special cold-forged steel with a higher alloy content for a higher degree of durability and strength
- Longer 45° and 90° jaws make it easier to access hard-to-reach retaining rings
- Natural steel finish has a tough, clear coating to help protect against corrosion
- Wide cushion grip provides more comfort and control



Set Contains:
 SRPCR105ADD
 SRPCR107
 SRPCR105
 SRPCR112*

Stock No.	Style	Description	A	B	C	D			
SRPCR3800	Convertible	Snap Ring Pliers	6-7/16	1/8-1	0°	.038	•	•	•
SRPCR3845	Convertible	Snap Ring Pliers 45°	6-7/16	1/8-1	45°	.038	•		•
SRPCR3890	Convertible	Snap Ring Pliers 90°	6-7/16	1/8-1	90°	.038	•		•
SRPCR4700	Convertible	Snap Ring Pliers	6-7/16	3/16-1-3/8	0°	.047	•	•	•
SRPCR4745	Convertible	Snap Ring Pliers 45°	6-7/16	3/16-1-3/8	45°	.047	•		•
SRPCR4790	Convertible	Snap Ring Pliers 90°	6-1/2	3/16-1-3/8	90°	.047	•		•
SRPCR7000	Convertible	Snap Ring Pliers	7-7/16	7/16-2	0°	.070	•	•	•
SRPCR7045	Convertible	Snap Ring Pliers 45°	7-7/16	7/16-2	45°	.070	•		•
SRPCR7090	Convertible	Snap Ring Pliers 90°	7-1/2	7/16-2	90°	.070	•		•
SRPCR9000	Convertible	Snap Ring Pliers	8-3/4	1-1/2-3-1/2	0°	.090	•		•
SRPCR9045	Convertible	Snap Ring Pliers 45°	8-3/4	1-1/2-3-1/2	45°	.090	•		•
SRPCR9090	Convertible	Snap Ring Pliers 90°	8-3/4	1-1/2-3-1/2	90°	.090	•		•

Sets include storage tray

*Set includes foam organizer in a carrying case

ASME®/ANSI® B107.500

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



PRH406



Set Contains:
 PRH406*

Fixed Tip/Convertible

Unique dial feature eliminates the need to take apart the pliers when changing from internal to external.

Stock No.	A	B	C	D	
PRH12 [†]	5-3/4	1/8-1	18°	.038	•
PRH32 [†]	5	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	•

Set includes storage tray

ASME®/ANSI® B107.500

RETAINING RING (Blue-Point®)



PR36



PRH502A



PRH503



PR50A



PR215



PRH57A



PR7A



PR54



PR8A

Interchangeable Tip

Internal	External	Length, inches	Ring Size Range, inches	Tip Kit Included	Tip Sizes Included, inches (degree)	Optional Kits	Optional Tip Sizes	Set Contains:				
								PR36 ¹	PRH502A	PRH503	PR50A ¹	PR215 ¹
PR37 ²	—	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 ¹	.047 (0°), .070 (0°), .047 (45°), .038 (90°)	•				
—	PR38 ²	6-1/4	1/4-2	—	None	PR5 ¹	.047 (0°), .070 (0°), .047 (45°), .038 (90°)	•				
PRH56A	—	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°)	—	—		•	•		
PRC65A	—	10	Internal 1-13/64-4; External 1-1/2-4	PRC65A-1	1 pair each: .090, .108, .120 (15° and 90°)	—	—			•		
PRH57A	—	8	Internal 3/8-2; External 1/4-2	PRH57A-1	1 pair each: .038 (0°), .047 (0°), .070 (0°), .038 (90°), .047 (90°)	—	—		•	•		
PR51 ¹	—	9-1/2	2-7/16-4	PR502 ¹	.108 (15°), .108 (45°)	PR501-PR508 ¹	.108 (0°)				•	
—	PR52 ¹	9-1/2	1-1/2-3-11/32	PR507 ¹	.120 (45°), .120 (90°)	PR501-PR508 ¹	.120 (0°)				•	
PR7A	—	15-11/16	3-1/16-6-1/4	PR7A-1	.120 (0°)	PR7A-2	.120 (45°), .120 (90°)					•
—	PR8A	15-11/16	3-1/16-6-1/4	PR7A-1	.120 (0°)	PR7A-2	.120 (45°), .120 (90°)					•
PR54 ¹	—	29	6-1/2-10	PR54-1	.150 (0°)	—	.150 (45°), .150 (90°)					
—	PR53 ¹	—	6-1/2-10	PR53-1 ¹	.170 (0°)	PR53-2 ¹	.170 (45°), .170 (90°)					

PR36 Set includes PR5 Tip Kit. Individual PR37 and PR38 units do not include tips and require PR5 Tip Kit.



- Plastic coated handle does not protect against electric shock.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4

WIRE TOOLS



29ACF

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Crimpers

29ACF 9" Wire Terminal Crimping Tool

- Precision-machined joint and cutting edges, a hardened wire cutter with a knife-to-anvil design, never needs sharpening
- Jaws are designed 20% smaller for better access in confined spaces
- Cold-formed heat-treated rivet for smooth action and long life
- For insulated and non-insulated terminals and connectors
- Compact crimper doubles terminal pull-off force
- Crimping dies are laser marked for insulated and bare solderless terminals
- Cushion grips for comfort and control
- Crimps 10–22 AWG wire



PWCS7ACF



PWCH7



PWCHHD7



PWCS57ACF



PWCS9ACF



PWCS8

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



Set Contains:

Wire Strippers/Cutters/Crimpers

Stock No.	Description	A	Strips AWG Sizes	
PWCS7ACF	7" Wire Stripper/Cutter/Crimper	6-3/4	12, 14, 16, 18, 20	•
PWCS57ACF	7" Wire Stripper/Cutter/Crimper	6-3/4	14–24 AWG	•
PWCH7	7" Inline Wire Stripper/Cutter	7	10–20	•
PWCHHD7	7" Inline Wire Stripper/Cutter	7	6, 8, 10, 12	•
PWCS9ACF	9" Wire Stripper/Cutter/Crimper/Bolt Cutter	8-3/4	AWG20–AWG10 (stranded wire), AWG16–AWG8 (solid wire)	•
PWCS8 ¹	Wire Stripper/Cutter/Crimper/Bolt Cutter (Blue-Point [®])	8-1/4	10–22	

PWCS57ACF 7" Wire Stripper/Cutter/Crimper

- Strong, serrated gripping nose for bending, pulling and shaping of wire or connectors
- Precision-ground stripping holes make removing wire insulation a snap
- Crimps insulated and bare wire connectors
- Wire cutter in two places: in jaws and near the handle
- Compact design for working in confined areas
- Cold forged steel for better performance/longer life
- Wire crimper placed in front of the pivot point for crimping in tight spaces
- Natural steel finish has a tough, protective clear coating to guard against corrosion
- Cushioned grips provide comfort and control
- For use on 14–24 AWG wire
- 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

PWCS7ACF 7" 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 the dash or within electrical service enclosures

PWCS8 Wire Stripper/Cutter/Crimper/Bolt Cutter (Blue-Point[®])

- Soft grip handles deliver optimal comfort and control during high-strength gripping

- Corrosion-resistant finish
- Laser-hardened cutting edges provide uniform hardness for consistent cutting and edge life

PWCH7 7" Inline Wire Stripper/Cutter**PWCHHD7 7" Inline Wire Stripper/Cutter**

- 90° angled head design provides an ergonomic inline stripping motion and accessibility into tight spaces
- Precision ground stripping allows for clean stripping and ensures the cutting edges are properly aligned
- Precision-curved blades for clean cuts
- Protective coating provides strong adhesion, corrosion protection and improves friction properties of the sliding components
- Easy-to-squeeze ergonomic spring loaded handle reduces user fatigue
- Wire-looping hole for bending hooks on wires for terminal attachment
- Double-dipped grip handles for comfort when squeezing and pulling

PWCS9ACF 9" Wire Stripper/Cutter/Crimper/Bolt Cutter

- Cold forged from special alloy steel and induction heat-treated for superior performance and durability
- Pliers tip for grabbing or pulling wire
- Crimps both insulated and non-insulated terminals
- Includes shears in throat area for general cutting applications
- Cushion grips provide comfort, control and power
- Cuts #6 and #8 soft bolts

WIRE TOOLS (Blue-Point®)

Crimper (Blue-Point®)

Stock No.	Description	A	Crimps
PWC47	Computer/Sensor Terminal Crimping Tool	3	Open barrel and Weather-Pac terminals 14-24 AWG



PWC47

Modular Connector

PWC34 Crimping Tool (Blue-Point®)

- Double-compound action with ratchet control for almost effortless operation
- Used with insulated connectors on 10-22 gauge wire
- Easy, efficient, single-squeeze crimping of modular connectors



PWC34

Ratcheting Crimpers

PWC48NJ Ratcheting Crimper (Blue-Point®)

- Ratcheting crimper without jaw set

PWC48 Ratcheting Crimper Kit (Blue-Point®)

- 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

PWC48-1 Crimping Jaw Set (Blue-Point®)

- Jaw Set A
- Use on insulated 10-22 connectors

PWC48-2 Crimping Jaw Set (Blue-Point®)

- Jaw Set B
- Use on non-insulated 8-20 connectors

PWC48-3 Crimping Jaw Set (Blue-Point®)

- Jaw Set C
- Use on open barrel 10-20 connectors

PWC48-4 Crimping Jaw Set (Blue-Point®)

- Jaw Set H
- Use on open barrel D-Sub connectors



PWC48

Miscellaneous

PWC39A Cable Slitter (Blue-Point®)

- 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 the handle
- 5-1/4" long

PWC52A Connector Pliers (Blue-Point®)

- 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

PWC52-K Vinyl Jaw Inserts (Blue-Point®)

- For PWC52A (set of two)

PWC80A Cable Cutter (Blue-Point®)

- For cutting battery cables and other soft metal cables
- Vinyl-covered handles
- 7-1/2" long



PWC39A



PWC52A



PWC80A



- Plastic coated handle does not protect against electric shock.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

WIRE TOOLS (Blue-Point®)



Strippers/Cutters/Crimpers

Stock No.	Description	A	Strips AWG Sizes	Strips Metric Sizes, mm	Replacement Blades
PWC12A ¹	9-1/2" Wire Stripper/Cutter/Crimper (Blue-Point®)	9-1/2	10-18 (solid)	10-18 (insulated and non-insulated) 7-8 mm (ignition terminals)	—
PWC28A ¹	Wire Stripper/Cutter/Crimper/Bolt Cutter (Blue-Point®)	8-1/4	10, 12, 14, 16, 18, 20, 22 (stranded), 8, 10, 12, 14, 16, 18 (solid)	10-22 (non-insulated), 7-8 mm (ignition terminals)	—
PWC14 ²	Wire Stripper/Cutter/Crimper/Bolt Cutter (Blue-Point®)	8-3/4	10, 12, 14, 16, 18, 20, 22	10-22 (non-insulated), 7-8 mm (ignition terminals)	—
PWC16A ¹	Wire Stripper/Cutter (Blue-Point®)	5	10-18	Adjustable	—
PWC27 ²	Stripmaster® Automatic Wire Stripper (Blue-Point®)	6-1/4	10, 12, 14, 16, 18, 20, 22	—	PWC27-7
PWC42 ²	Stripmaster® Lite Automatic Wire Stripper (Blue-Point®)	5-1/2	16, 18, 20, 22	1.5, 1.0, .5, .42	PWC42-17
PWC24 ²	Stripmaster® Custom Automatic Wire Stripper (Blue-Point®)	6-1/4	16, 18, 20, 22, 24, 26	—	PWC24-1
PWC6 ²	Wire Stripper/Cutter (Blue-Point®)	6	10, 12, 14, 16, 18, 20	—	—
PWC5B ¹	Wire Stripper/Cutter/Crimper/Bolt Cutter (Blue-Point®)	8-1/4	10-22	7-8 mm Ignition Terminals	—
PWC9 ²	Wire Stripper/Cutter/Crimper/Bolt Cutter (Blue-Point®)	9-1/2	10-22	10-22 (7-8 mm Ignition Terminals)	—
PWC19	Micro Shear Wire Cutter (Blue-Point®)	5-1/8	Up to 20	Up to .80	—
PWC22B	Automatic Wire Stripper/Cutter (Blue-Point®)	7-1/4	12, 14, 16, 18, 20	00-6 Stranded and Solid Insulated Wire	—
PWC7A	Wire Stripper/Cutter (Blue-Point®)	7-1/4	22, 24, 26, 28, 30, 32 (stranded), 20, 22, 24, 26, 28, 30 (solid)	—	—

PLIERS AND CUTTERS (Blue-Point®)



BDGPL800

Pliers and Cutters/Vinyl Grips (Blue-Point®)

Set Contains:

Stock No.	Description	Jaw Length, inches	Length, inches	
BDGEC7	End Cutter (Blue-Point®)	7/16	7	•
BDGAWP100	Adjustable Joint Pliers (Blue-Point®)	1-3/4	10	•
BDG48CP	Slip Joint Pliers (Blue-Point®)	1-27/32	8	•
BDG57CP	Lineman's Pliers (Blue-Point®)	1-1/4	7-1/2	•
BDG86CP	Diagonal Cutter (Blue-Point®)	21/32	6-1/2	•
BDG88CP	Diagonal Cutter (Blue-Point®)	15/16	8-1/8	•
BDG98CP	Long Nose Die Nose Pliers (Blue-Point®)	3	8	•
BDG9845CP	45° Bent Nose Die Nose Pliers (Blue-Point®)	2-13/16	7-3/4	•

PLIERS AND CUTTERS (Blue-Point®)

PLIERS

Pliers and Cutters (Blue-Point®)

Stock No.	Description	Jaw Length, inches	Length, inches	Set Contains:
B48CP	Slip Joint Pliers (Blue-Point®)	2-3/32	8-13/32	•
B58HLP	Lineman's Pliers (Blue-Point®)	1-1/2	8-31/32	•
B87CP	Diagonal Cutter (Blue-Point®)	31/32	6-19/32	•
B96CP	Needle Nose Pliers (Blue-Point®)	2-1/32	6-5/16	•
BAWP100	Adjustable Joint Pliers (Blue-Point®)	1-3/8	10-5/32	•

BPL501



BPL501

Miniature Pliers and Cutters (Blue-Point®)

Stock No.	Description	Jaw Length, inches	Length, inches	Set Contains:
B45CMP	Combination Pliers	1	4-11/16	•
B65CMP	Duck Bill Pliers	1-5/32	4-7/8	•
B75CMP	Round Nose Pliers	1-5/32	5	•
B85CTMP	Thin Diagonal Cutter	23/32	4-5/8	•
B85CMP	Diagonal Cutter	21/32	4-11/32	•
B945CMP	Miniature 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	65° Bent Nose Pliers	15/16	4-11/16	•
BMPECS	End Cutter	5/16	4-1/32	•

BMPL1000



BMPL1000

Miniature Pliers and Cutters/Vinyl Grips

Stock No.	Description	Jaw Length, inches	Length, inches	Set Contains:
BDG45CMP	Miniature Combination Pliers (Blue-Point®)	1	4-11/16	•
BDG65CMP	Miniature Duckbill Pliers (Blue-Point®)	1-5/32	4-7/8	•
BDG85CMP	Miniature Diagonal Cutter (Blue-Point®)	21/32	4-11/32	•
BDG85CTMP	Miniature Thin Diagonal Cutter (Blue-Point®)	23/32	4-5/8	•
BDG945CMP	Miniature 45° Bent Nose Pliers (Blue-Point®)	1	4-11/16	•
BDG95CLMP	Miniature Long Needle Nose Pliers (Blue-Point®)	2-1/16	5-25/32	•
BDG95CMP	Miniature Long Nose Pliers (Blue-Point®)	1-1/8	4-7/8	•
BDGMPECS	Miniature End Cutter (Blue-Point®)	5/16	4-1/32	•

BDGMPL845



BDGMPL845

BDGMPL845 8 pc Miniature Pliers/Cutters Set (Blue-Point®)

- Includes (8) commonly used mini pliers for precision work in confined spaces
- Laser-hardened cutting edges for consistent use and prolonged tool life
- Nickel-chrome alloy finish resists rust and corrosion
- Laser-hardening process improves nickel-chrome finish by eliminating quenching oil residue from the hardening process
- Pliers feature a leaf-spring design for improved dexterity during precision work
- Cushioned vinyl grips for comfort during extended use and easy cleanup

BDGCPL700 7 pc Pliers and Cutters Set (Blue-Point®)

- Includes (1) BDG48CP 8" Slip Joint Pliers, (1) BDG88CP 8-1/8" Diagonal Cutters and (1) BDG98CP 8" Needle Nose Pliers, plus (3) miniature pliers and (1) cutter in a zippered case
- Laser-hardened cutting edges for consistent use and prolonged tool life
- Nickel-chrome alloy finish resists rust and corrosion
- BDG98CP Needle Nose Pliers features a fastener-turning jaw and cutter
- Miniature pliers feature a leaf-spring design for improved dexterity during precision work
- Cushioned vinyl grips for comfort during extended use and easy cleanup



BDGCPL700



• Elasticated handle does not protect against electric shock.
 †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P3 for details.
 • Read Safety Precautions on pages W1-W4

PLIERS AND CUTTERS (Blue-Point®)



BDGPL400LMP

Long-Reach Miniature Pliers (Blue-Point®) Set Contains:

BDGPL400LMP

Stock No.	Description	Jaw Length, inches	Length, inches	
BDG86LMP	Diagonal Cutting Pliers	3/4	5-1/2	•
BDG96LMP	Long Nose Pliers	1-5/16	6	•
BDG9645LMP	45° Bent Nose Pliers	1-7/32	6	•
BDG97LMP	Needle Nose Pliers	2-13/32	7	•



BDGPL300HG

Extended Reach Hose Grip (Blue-Point®) Set Contains:

BDGPL300HG

Stock No.	Description	Jaw Length, inches	Length, inches	
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 (Blue-Point®) Set Contains:

BDGPL300LR

Stock No.	Description	Jaw Length, inches	Length, inches	
BDG311CP	Diagonal Cutter	1-9/16	11	•
BDG911CP	Needle Nose Pliers	3-9/16	11	•
BDG91145CP	45° Bent Needle Nose Pliers	3-3/16	11	•



BDGPL200XLR

Extra-Long Reach (Blue-Point®) Set Contains:

BDGPL200XLR

Stock No.	Description	Jaw Length, inches	Length, inches	
BDG916CP	Needle Nose Pliers	3-9/16	16	•
BDG91645CP	45° Bent Needle Nose Pliers	3-3/16	16	•



AP10

Adjustable Joint (Blue-Point®)

Stock No.	Description	Maximum Jaw Position (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

PLIERS AND CUTTERS (Blue-Point®)

PLIERS

Heavy-Duty Bolt Cutters (Blue-Point®)

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 (Hard Material), inches (mm)	Capacity (Soft Material), inches (mm)	Length, inches	Replacement Jaw Assembly	Weight, lb (kg)
BLPBC30	3/8 (10)	1/2 (13)	30	BLPBC30-1	8.6 (3.9)
BLPBC36	7/16 (11)	5/16 (14)	35	BLPBC36-1	14.2 (6.45)



BLPBC30

NON-CONDUCTIVE COMPOSITE TOOLS



CNSGDx60

Flat Tip Screwdrivers (Soft Grip Handle)

- 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 1,000 V AC and 1,500 V DC
- Snap-on® non-conductive tools are UL® listed, assuring compliance to IEC® 60900
- US Patent #6,655,240 B1

	Stock No.	Tip Size	Shank Length, inches	Length, inches	
Flat Tip	CNSGDF66B	3/16	6	11-1/2	•
	CNSGDF68B	1/4	6	11-1/2	•
	CNSGDF69	9/32	6	11-1/2	•
PHILLIPS® Tip	CNSGDP61	#1	6	11-1/2	•
	CNSGDP62B	#2	6	11-1/2	•
	CNSGDP63	#3	6	11-1/2	•

Set Contains:
CNSGDx60



CSSC9

Screw Starters 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 1,000 V AC and 1,500 V DC

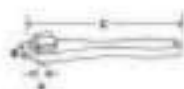
Stock No.	Handle Type	Handle Diameter, inches	Tip Style	Tip Width Size	Length, inches
CSSC9	Composite	9/32	Flat Tip/PHILLIPS®	.032 x 9/32", #2	9

Composite handle rated shock resistant up to 1,000 V



- Plastic coated handle does not protect against electric shock.
- Do not use non-conductive tools that are damaged.
- Do not use screwdrivers as prybars, chisels or punches.
- Read Safety Precautions on pages W1-W4

NON-CONDUCTIVE COMPOSITE TOOLS



CFS949A

Ratchets



- No conductive path to user
- No insulation to puncture, tear or wear through
- Every tool is individually tested to protect up to 1,000 V AC and 1,500 V DC
- Snap-on® non-conductive tools are UL® listed, assuring compliance to IEC® 60900

Stock No.	A	B	C
CFS949A	3/8	1-19/32	8-3/4
CSS949A	1/2	1-19/32	8-3/4



IHT208K

Sockets, inches, 12-Point

		A	B
1/4	CFDS08B	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 Non-Conductive Composite Ratchet and Socket Set


- Includes (8) CFDS12B–CFDS24B sockets (3/8–3/4") plus CFS949A ratchet in a C0800 kit bag

Sockets, mm, 12-Point

- No conductive path to user
- No insulation to puncture, tear or wear through
- Every tool is individually tested to protect up to 1,000 V AC and 1,500 V DC
- Snap-on® non-conductive tools are UL® listed, assuring compliance to IEC® #60900



CFDSM10B

	Stock No.	A	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

NON-CONDUCTIVE COMPOSITE TOOLS

Bit Holders

- No conductive path to user
- No insulation to puncture, tear or wear through
- Every tool is individually tested to protect up to 1,000 V AC and 1,500 V DC
- Only Snap-on® non-conductive tools are UL® listed, assuring compliance to IEC® 60900

CF55B8 3/8" Drive Non-Conductive Composite Universal Bit Holder

- Composite (insulating) universal bit socket for holding 1/4" bits
- 1" O.D.; 1-3/4" long
- No conductive path to user
- Each tool is individually tested to protect up to 1,000 V AC and 1,500 V DC
- Snap-on® non-conductive tools are UL® listed, assuring compliance to IEC® 60900 ASTM® standards for insulating hand tools



CF55B8

Pliers

- Non-conductive needle nose pliers feature all composite jaw and handle
- Spring-loaded joint return the pliers to a comfortable working position
- Durable jaw teeth aid in gripping and twisting
- Integral thumb guard for user protection
- Non-conductive lineman's pliers has the same quality as the standard lineman's pliers for performance and durability
- Non-conductive handles are soft grip for comfort and control
- Each tool is individually tested to ensure protection up to 1,000 V AC and 1,500 V DC
- Snap-on® non-conductive tools are UL® listed, assuring compliance to IEC® 60900 ASTM® standards for insulating hand tools



C59AHL




C97CP

Stock No.	Description	A	B	C
C59AHL	Lineman's Pliers	1-13/32	10	5/8
C97CP	Needle Nose Pliers	2	8-1/2	5/32

Ratcheting Box Wrench

- UL® listed
- Individually tested to protect up to 1,000 V AC and 1,500 V DC
- All tools meet UL®, IEC®, ASME® and ASTM® specs

Stock No.		Finish	A	B	C
CRB1824	9/16-3/4	Composite	1-9/16-1-13/16	5/8-5/8	9-1/16



CRB1824



- Do not replace worn parts individually; use entire contents of the service kit.
- Do not use non-conductive tools that are damaged.
- Do not use with impact drivers.
- Read Safety Precautions on pages W1-W4

PUNCHES AND CHISELS

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.

Soft Grip Punches

- 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



PPCSG710

Set Contains:

Stock No.	Description	Length, inches	Point/Edge, inches	
PPSG4	Center Punch	6-1/8	3/16	•
PPSG103	Pin Punch	6-1/8	3/32	•
PPSG105	Pin Punch	6-1/2	5/32	•
PPSG106	Pin Punch	6-3/2	3/16	•
PPSG203	Starter Punch	6-1/8	3/32	•
PPSG205	Starter Punch	6-1/8	5/32	•
PPSG206	Starter Punch	6-1/8	3/16	•
PCSG812	Flat Chisel	6-3/8	3/8	•
PCSG816	Flat Chisel	6-1/8	1/2	•
PCSG820	Flat Chisel	6-1/8	5/8	•

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



PPC704BK

Oval Bearing Race Punches

High alloy steel makes these tools ideal for stubborn bearing races.

Stock No.	Description	Tip Diameter, inches	
PPC6LB	8" Oval Bearing Race Punch	.23	•
PPC10LB	10" Oval Bearing Race Punch	.27	•
PPC14LB	14" Oval Bearing Race Punch	.30	•
PPC20LB	20" Oval Bearing Race Punch	.33	•



PGH8A

Gasket Punch Set

PGH8A 11 pc Gasket Punch Set (Blue-Point®)

- Cut holes in gaskets and other soft materials
- Includes 5-3/8" long mandrel and (10) punches (1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8 and 1")
- Includes storage case

Soft Grip Chisels

- Feature a comfortable yet extremely durable split-proof composite handle that provides a non-slip surface and safety shoulder to prevent contacting the metal blade
- Manufactured from special alloy steel that is differentially heat treated to increase durability
- Forged blade is precision ground and honed for strength and blade edge maintenance
- Designed for use with steel and steel-faced hammers
- Chisels are intended for woodwork applications or scraping applications



CHSL400R

Set Contains:

Stock No.	Description	Tip Width, inches (mm)	
CHSL25R	Striking Chisel, Red	1/4 (6.35)	•
CHSL50R	Striking Chisel, Red	1/2 (12.7)	•
CHSL75R	Striking Chisel, Red	3/4 (19.05)	•
CHSL100R	Striking Chisel, Red	1 (25.4)	•



GA1

Bushing Cutter

GA1 Bushing Cutter (Blue-Point®)

- Made of 1/2" octagonal stock with a 7/16 x 1/8" bit
- Curved bit pushes material away from work
- 7-1/4" long



YA879B



YA900

Automatic Centering Punches

YA879B Heavy-Duty Automatic Center Punch (Blue-Point®)











- Single-hand operation
- Design eliminates need for striking with hammer
- Adjustable spring tension cap
- Hardened-steel point is replaceable
- 1/2" diameter; 5-1/8" long

YA900 4-3/4" Automatic Center Punch (Blue-Point®)

- Strikes blow when pressure is applied, no hammer needed
- Cap adjusts force of blow
- 7/16" diameter; 4-3/4" long

PUNCHES AND CHISELS

PUNCHES/CHISELS/HAMMERS

	Stock No.	Hex Size, inches	Point/Edge, inches	Length	Set Contains:												
					PPC200BK	PPC210BK	PPC719BK	PPC710BK	PPSD120BK	PPC100AK	PPCD70BK	PPCM40BK	PPC30AK	PPCS40BK			
 Punch and Chisel Accessories	PPC1A	N/A	N/A	2-5/8	*	*	*	*									
	PPC5A	N/A	N/A	6-15/16		*											
 Center Punches	PPC3A	5/16	1/8	5	*	*	*										
	PPC4A	7/16	3/16	6	*	*	*	*									
	PPC6B	3/8	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)	154.2					*						*		
	PPCM104B	5/16	(4)	154.2											*		
	PPCM105B	3/8	(5)	154.2					*						*		
	PPCM106B	3/8	(6)	154.2					*						*		
	PPCM107B	3/8	(7)	154.2											*		
	PPCM108B	7/16	(8)	154.2											*		
 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	*	*			*								*
 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	*					*							
Kit Bag																	
						KB2179	KB2178	KB2182	KB2181	KB2187	KB2175	KB2183	KB2185	KB2173	KB2189		

*Blue-Point®



- Use the proper punch or chisel for the job.
- Do not use punches or chisels having chipped or mushroomed end; dress to original shape with a hand file.
- Hammer head diameter should be approximately 3/8" larger than head of punch or chisel.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

PUNCHES AND CHISELS



PPRG80

Roll Pin Punch Guide Set

PPRG80 8 pc Roll Pin Punch Guide Set

- Companion tool to 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 cannot reach
- For 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")



GA237

Steel Stamping Sets

- Heat-treated square stamp bodies
- Stored in two-piece wooden containers

Stock No.	Characters	Number Stamps	Figure Size, inches	Square Body, inches	Length, inches
GA237*	0-9	9	3/16	5/16	2-7/16
GA238†	A-Z	27	3/16	5/16	2-7/16
YA817*	0-9	9	1/8	1/4	2-3/8
YA818†	A-Z	27	1/8	1/4	2-3/8

*One stamp serves as both 6 and 9 character.
†Also includes stamp for period.



DPFT531









Transfer Punches (Blue-Point®)

Stock No.	Description	Set Contains:
DPFT531-6	3/32"	•
DPFT531-7	7/64"	•
DPFT531-8	1/8"	•
DPFT531-9	9/64"	•
DPFT531-10	5/32"	•
DPFT531-11	11/64"	•
DPFT531-12	3/16"	•
DPFT531-13	13/64"	•
DPFT531-14	7/32"	•
DPFT531-15	15/64"	•
DPFT531-16	1/4"	•
DPFT531-17	17/64"	•
DPFT531-18	9/32"	•
DPFT531-19	19/64"	•
DPFT531-20	5/16"	•
DPFT531-21	21/64"	•

Stock No.	Description	Set Contains:
DPFT531-22	11/32"	•
DPFT531-23	23/64"	•
DPFT531-24	3/8"	•
DPFT531-25	25/64"	•
DPFT531-26	13/32"	•
DPFT531-27	27/64"	•
DPFT531-28	7/16"	•
DPFT531-29	29/64"	•
DPFT531-30	15/32"	•
DPFT531-31	31/64"	•
DPFT531-32	1/2"	•
DPFT531-34	17/32"	•
DPFT531-48	3/4"	•
DPFT531-56	7/8"	•
DPFT531-64	1"	•
DPFT531-P	Replacement Pouch (Blue-Point®)	•

PUNCHES AND CHISELS

PUNCHES/CHISELS/HAMMERS

				Set Contains:	PPR708BK	PPCLs08BK	PPVP708K	PPL160AK	LP30A	PPB30AK	PPBL30AK	PPB20AK	
	Stock No.	Hex Size, inches	Point/Edge, inches	Length, inches									
 Roll Pin Punches	PPR2	—	1/16	3-5/32	•								
	PPR2-1/2	—	5/64	3-1/2	•								
	PPR3	—	3/32	3-25/32	•								
	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	9/32	1/16	3			•						
	PPC403A	9/32	1/8	3-1/4			•						
	PPC404A	9/32	3/32	3-5/8			•						
	PPC405A	9/32	1/16	3-3/4			•						
	PPC406B	9/32	3/16	3-7/8			•						
	PPC407B	9/32	5/32	4			•						
	PPC408B	9/32	5/16	4-1/8			•						
	PPC905B	3/8	5/32	8				•					
 Drift Pin Punches	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	PPB4.5B	1/4	1/4	4								
PPB7.516		1/2	1/2	7-1/2									
PPB408A		—	1/4	4						•			
PPB612A		—	3/8	6						•			
PPB824		3/4	3/4	8									
PPC112L		9/16	3/8	8									
PPC907		7/16	3/16	9									
 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									
Kit Bag					KB2186	KB2184	KB2188	KB2174	KB2177	KB2171	KB2172	KB2170	



- Use the proper punch or chisel for the job.
- Do not use punches or chisels having chipped or mushroomed ends; dress to original shape with a hand file.
- Hammer head diameter should be approximately 3/8" larger than head of punch or chisel.
- Read Safety Precautions on pages W1-W4.

PUNCHES AND CHISELS



Stock No.	Description	
SPHDCC716	7/16" Heavy-Duty Spring Cold Chisel	•
SPHDCP716	7/16" Heavy-Duty Spring Center Punch	•
SPHDPP14	1/4" Heavy-Duty Spring Pin Punch	•
SPHDTP716	7/16" Heavy-Duty Spring Transfer Punch	•

Spring Punches

4 pc Heavy-Duty Spring Punch Set

- Deliver accurate blows to the toughest materials
- No hammer required
- Knurled shank provides secure grip for precise control even when using gloves
- Made from hardened-carbon steel for use in a variety of mechanical and metal working applications
- Each blow delivers up to 5,000 PSI of impact force

DEAD BLOW HAMMERS



HBFE32

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Standard

- Dead Blow Hammers feature a free-flowing shot design that improves dead blow action while reducing rebound
- Compact head has larger striking area and heavier caps to improve delivered force
- Soft grip handle with ribbed, textured, elastomer grip prevents hand slippage
- Multi-position hand grip allows user to position hand closer to hammer end for improved control
- Handle flare helps prevent hammer from slipping out of hand
- Composite handle shank improves balance while defusing shock and dampening vibration
- Tough, long-lasting thermoplastic 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 Dia., inches	Length, inches	
HBFE16	16	3-1/4	1-5/16	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	



HBSE20

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Compact Slimline

- Microcellular soft grip handle provides a comfortable, secure grip and dampens the vibration to the user's hand
- Smaller face for more concentrated blows
- Longer head profile for extended reach in tight work applications
- Multi-position hand grip allows user to position hand closer to hammer end for improved control
- Composite handle shank improves balance while defusing shock and dampening vibration
- Handle flare helps prevent hammer from slipping out of hand
- Applications include main bearing caps, dust caps, small objects, custom bikes and tighter applications that standard dead blow hammers will not fit

Stock No.	Weight, oz	Face Dia., inches	Head Length, inches	Length, inches
HBSE10	10	1-1/4	3-5/8	10-5/8
HBSE20	20	1-3/8	4-1/4	11-1/8
HBSE30	30	1-1/2	5-5/16	12-3/8

DEAD BLOW HAMMERS

Dead Blow Ball Peen

- Dead Blow Hammers feature free flow shot design that improves dead blow action while reducing rebound
- Internal steel canister with steel shot
- Precision-machined steel head provides a larger striking surface for optimal delivered force
- Microcellular soft grip handle provides a comfortable, secure grip and dampens vibration to the user's hand
- Multi-position hand grip allows user to position hand closer to hammer end for improved control
- Handle flare helps prevent hammer from slipping out of hand
- Composite handle shank improves balance while defusing shock and dampening vibration
- Applications include use with striking tools, moving/positioning large components, suspension work, general metal fabrication

Stock No.	Weight, oz	Head Length, inches	Face Dia., inches	Length, inches		
HBB08	8	4	1	11-5/8		*
HBB016	16	4-3/8	1-1/4	12-1/4	*	*
HBB024	24	4-3/4	1-3/8	12-3/4	*	*
HBB032	32	5-3/4	1-3/4	13-5/8	*	*
HBB040	40	5-3/4	1-3/4	15-1/8		*
HBB056	56	5-5/16	2	18		*

*Sets shown include foam organizer



HBB06FR



HBB024

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Dual-Face Drilling

- Different diameter striking faces can be matched to various cold chisels and punches
- Free-floating steel head canister design improved dead blow action and reduces rebound
- Nonslip handle design with ribbed thumb rest allows the user to chose up in tighter work areas
- Composite handle shank improves hammer balance while dampening vibration
- Chemical-resistant molded urethane cover

Stock No.	Weight, oz	Head Length, inches	Face Dia., inches	Length, inches
HSSD32	32	5-11/64	1-3/8-1-7/8	11-3/16



HSSD32

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Sledge (Blue-Point®)

Stock No.	Weight, lb	Head Length, inches	Face Dia., inches	Length, inches
BCTB	5	7	2-3/4	20
BC110B	8	7	2-3/4	30
BC114B	11 lb 8 oz	8	3-1/4	36



BC110B

HBBT Series Bronze

- Bronze-tipped nonmarring hammer ideally suited for work on bushings, gears and transmissions

Stock No.	Weight, oz	Head Length, inches	Head Dia., 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



HBBT32



- Do not use urethane hammers near liquid oxygen
- Do not strike against another hammer or other hardened object.
- Do not use chipped, mushroomed or cracked hammers.
- Strike squarely; avoid glancing blows.
- Use the proper punch or chisel for the job.
- Do not use punches or chisels having chipped or mushroomed end; dress to original shape with a hard file.
- Hammer head diameter should be approximately 3/8" larger than head of punch or chisel.
- Read Safety Precautions on pages W1-W4

SOFT FACE HAMMERS



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	Head Reach, inches	Face Dia., inches	Length, inches
HLE24	24	7-3/4	5-1/2	5-1/2	12-3/4



HBPT24

HBPT Series Plastic

- Plastic-tipped hammers used where metal-to-metal scratching or marring needs to be eliminated

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

*Blue-Point®



BDBMP24



BF620C



BF623

Mallets

Stock No.	Description	Head Weight, oz	Total Weight, lb	Head Height, inches	Head Width, inches
BDBMP24	10-1/4" Soft Blow Mallet (Blue-Point®)	13	1.48	2-13/32	3-3/64

Stock No.	Description	Face Dimensions, inches	Length, inches
BF620C	Rubber Head 11" Mallet (Blue-Point®)	2-1/4 dia.	3-3/4
BF623	Soft Blow 12-1/2" Mallet (Blue-Point®)	1-7/8 x 2-1/8	12-1/2

BDBMP24 10-1/4" Soft Blow Mallet (Blue-Point®)

- Engineered, dual-zone rubber head allows mallet to compress and dissipate force
- Non-marring material reduces damage to delicate surfaces and components
- Greater shock absorption and control compared to standard rubber mallets
- Non-slip handle with steel shaft is angled 15° to protect hand from accidental contact
- Resistant to common shop chemicals and fluids

BF620C Rubber Head 11" Mallet (Blue-Point®)

- Solid-rubber head is 3-3/4" long, 2-1/4" dia.
- 11" hardwood handle

BF623 Soft Blow 12-1/2" Mallet (Blue-Point®)

- Designed to reduce marring and denting
- For 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
- Conforms to irregular surfaces
- Dissipates hand-jarring shock
- Resists most chemicals
- Wood handle



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 (Black)	—
BH232A ¹	—	32	1-5/8	13	BH232-2 ²	BH232-3 ²
BH232-4 ²	Optional Nylon Tip (also available)					
BH232-5 ²	Optional brass 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
HBR4 ¹	4	12
HBR6 ¹	6	12
HBR15 ¹	1-1/2	12
HBR25 ¹	2-1/2	12

SOFT FACE HAMMERS

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, including non-marring and non-sparking applications with selected head surfaces (brass)
- Comfortable, nonslip handle grip
- Set includes 10" fiberglass handle and storage case
- Optional 1" head extender (HSP16KT9)

Stock No.	Description	Weight, oz
HSP16KT1 [†]	Hammer Handle	22
HSP16KT2 [†]	Soft Face	1.5
HSP16KT3 [†]	Medium Face	1.4
HSP16KT4 [†]	Medium Hard Face	1.3



HSP16KT1

Claw Hammers

Stock No.	Weight, oz (grams)	Handle Length, inches (mm)	Hammer Head Diameter, inches (mm)
HCLSB16	16 (454)	13 (330)	1 (25.4)

HCLSB16 16 oz Claw Hammer

- Drop-forged carbon steel head
- Exclusive handle grip with different diameter hand zones for optimal comfort
- Handle has ridges and a flared end to prevent hand from slipping during use
- Snap-on[®] logo forged in handle; Snap-on[®] red enamel color
- Smooth striking face
- Anti-shock plug reduces vibration and hand fatigue



HCLSB16

Non-Marring Hammers

BFNM1[†] 1 lb Non-Marring Mallet (Blue-Point®)

- The head of the mallet is non-marring on finished surfaces due to soft durometer material
- Durable, resin-rich "pull-truded" fiberglass handle
- Handle is UV and chemical resistant
- Less rebound than traditional rubber head mallets helps reduce operator fatigue
- Nonslip, cushion-grip handle



BFNM1

BALL PEEN HAMMERS (Blue Point®)



BP16B



BPN16B

Ball Peen (Hickory Handle)

Stock No.	Weight, oz	Handle Length, inches
BP4B	4	10-1/2
BP8B	8	12-1/2
BP12B	12	13-1/2
BP16B	16	14-1/2
BP20B	20	15
BP24B	24	16
BP32B	32	16
BP40B	40	16-1/4
BP48B	48	16-1/4

ASME[®]/ANSI[®] B107.400

Ball Peen (Fiberglass Handle)

Stock No.	Weight, oz	Handle Length, inches	Previous [*] Model Handle
BPN12B	12	12	BPN12-1 [†]
BPN16B	16	13	BPN16-1 [†]
BPN24B	24	14	BPN24-1 [†]
BPN32B	32	16	BPN24-1 [†]

ASME[®]/ANSI[®] B107.400

- Do not use chipped, mushroomed or eroded hammers.
- Strike squarely; avoid glancing blows.
- Do not use urethane hammers near liquid oxygen.
- Do not strike against another hammer or other hardened object.
- Plastic coated handle does not protect against electric shock.
- *These products may expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P3 for details.
- Read Safety Precautions on pages W1-W4.



HEAVY DUTY HAMMERS (Blue-Point®)



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
- Nonferrous shot-loaded cavity delivers more power and less rebound than any hammer of its kind
- Abrasion-, chemical- and impact-resistant
- Comfortable nonslip handle grip

Stock No.	Face Dia., inches (mm)	Handle Length, inches (mm)	Length, inches (mm)	Weight, lb (kg)
HCS2SG ¹	2 (50.8)	10-5/8 (270)	13-3/4 (349)	2 (.91)

Meets or exceeds all ANSI specifications



BC4SG



BD4SG



HD4SG

Heavy-Duty (Fiberglass Handle)

- 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 Dia., inches	Handle Length, inches	Overall Length, inches
BC4SG ¹	Cross Peen	4	1-1/2	12	14
BD4SG ¹	Engineer	4	1-1/2	12	14
HD4SG ¹	Hand Drilling	4	1-1/2	8-3/4	10-3/4



BH122D



BH141A



BH133B

Heavy-Duty (Hickory Handle)

Stock No.	Description	Weight, oz	Head Length, inches	Overall Length, inches
BH122D	Engineer	40	4-1/2	15
BH123D	Engineer	48	4-3/4	15
BH133B	Hand Drilling	48	4-1/2	10
BH141A	Cross Peen	32	4-1/2	15
BH142A	Cross Peen	40	5	15
BH143A	Cross Peen	48	5-1/2	15



BD10ESG

Sledge (Fiberglass Handle)

Stock No.	Face Dia., inches (mm)	Weight, lb (kg)	Handle Length, inches (mm)	Overall Length, inches (mm)
BD6ESG ¹	1-5/8 (41.1)	6 (2.7)	16 (406.4)	18 (457.2)
BD10ESG ¹	2 (50.8)	10 (4.5)	29 (736)	32 (812.8)

BD8ESG¹ 8 lb Heavy-Duty BD Series Sledge Hammer Fiberglass Handle

- Drop forged carbon steel heads heat-treated for durability and safety
- Fiberglass handle dampens vibration and provides extra strength and safety
- Handle is chemically bonded to hammer head and will withstand 8,000 lb of pull
- Handle is resistant to dry rot, warp or splintering and resists most shop chemicals
- Ergonomic grip with pronounced ridges provides a superior gripping surface



BDS2SG

Soft Steel (Fiberglass Handle)

- Head is crafted with a maximum 30Rc hardness
- Designed to wear down and change shape with use; prevents damage or shearing when striking hard metal objects
- Ergonomic nonslip handle features a solid fiberglass core for strength
- Handle is resistant to weather and most shop chemicals
- Ideal for striking hardened pins, spikes, cutting tools and metal components
- Note: This hammer cannot be used as a non-sparking tool

Stock No.	Weight, lb (kg)	Head Diameter, inches	Handle Length, inches
BDS2SG ¹	2.2 (1)	1-7/16	13-1/2
BDS4SG ¹	4.2 (1.9)	1-7/16	13-1/2

HACKSAWS



Hacksaws

HSSA Miniature Hacksaw

- Designed for 10" (250 mm) blades
- 8-1/4" frame fits in limited-access areas
- Includes (1) blade

HS151 Junior Frame Hacksaw

- Designed for 6" blades
- 9-1/2" long
- Includes (1) blade

HSG319 Bi-Mold Soft Grip Handle Hacksaw

- Solid steel frame overmolded with soft grip for comfortable use
- Designed for 12" (300 mm) blades
- Blade tensioner discreetly blends with handle
- Positions for normal flush cutting or 55° angle
- Includes (1) blade

HSG325 Soft Grip 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
- Includes (1) blade

Hacksaw Blades

- Shatter resistant bimetal for a long life and fast, efficient cutting
- Available in packages of 10 only

Stock No.	Length, inches	Teeth Per Inch (TPI)
HSBM1018B	10	18
HSBM1024B	10	24
HSBM1032B	10	32
HSBM1214B	12	14
HSBM1218B	12	18
HSBM1224B	12	24
HSBM1232B	12	32



Quick Cutter Handsaws

- Features contoured screwdriver type handle for a secure grip
- Saw holder keeps a tight hold on any of the 3 included blades
- Turn the knurled knob and easily switch blades
- All components neatly packaged in kit bag

HS50 Quick Cutter Hand Saw

- Includes: HS14X1, HS18X1, HS24X1 and storage pouch



LANDSCAPE TOOLS

Pruning Tools

PRN75SFS Folding Pruning Saw

- General-purpose folding saw for cutting wood or plastics
- Two-component plastic handle for a firm grip
- Blade is specially coated for low-friction and rust protection
- Blade locks in both open and closed position



- Do not use chipped, mushroomed or cracked hammers.
- Strike squarely; avoid glancing blows.
- Keep away from children.

†These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
• Read Safety Precautions on pages W1-W4

SCISSORS



Scissors

SHEARS1BK Snap-on® Exclusive Shears

SHEARS1RD Snap-on® Exclusive Shears

- Cuts leather, cloth, plastic, rubber, cardboard, gasket material, rope and many other materials
- Bottle opener and nutcracker also incorporated into the design
- Stainless steel construction
- Easy to take apart for cleaning and is dishwasher safe

SHEARS1-SH Snap-on® Leather Sheath

- Made of high quality leather with Snap-on® logo embossed on the front
- Designed specifically for the Snap-on® exclusive SHEARS1RD and SHEARSBK
- Made in USA

Multi-Tools

SMT97R Snap-on® Multi-Tool



- One-hand operation allow professionals to quickly address problems at hand
- Snap-on® exclusive red Cerakote-finished handles for superior wear resistance
- Enhanced heavy-duty locking mechanism
- Proudly made in the USA by Gerber®, the industry leader in multi-tools
- Rotating carbide wire cutters and strippers can be rotated as the edge wears, and replaced when a fresh set is needed
- Replaceable Remgrit® blade is designed to be able to cut through extremely hard materials
- Extra-large partially serrated blade is ideal for cutting open packages and other items around the shop
- Tools are all black-oxide coated, providing superior corrosion resistance
- Complete listing of tools includes: pliers, carbide wire cutter, scissors, bottle opener, ruler stamped-in-handle, PHILLIPS®/flat head drivers, fine/coarse files, etc.
- Snap-on® logo is engraved into the handle and comes with a Snap-on® branded sheath (SEKG94-SH)

CUTTING: KNIVES



Liner Lock Knives

KER160050 Lockback Snap-on® Logo Chive Plain Blade Knife

- Bead-blasted stainless steel handle with Snap-on® logo
- Removable pocket clip
- 1-15/16" stainless steel straight-edge blade
- 1.9 oz



SEK45 Series Knives

SEK45R Compact Folding Lockback Knife

SEK45BLK Compact Folding Lockback Knife

- Titanium coated 440 stainless steel blade
- Ambidextrous thumbnail window on blade spine
- Composite handle with lanyard eyelet provides easy attachment to any keychain ring
- Ideal for everyday pocket carry
- 4.57" long in open position, 2.83" closed, 1.75" blade
- Weighs less than 1 oz

CUTTING: KNIVES

SEKC60 Series Knives**SEKC60FASR Scalpel Pocket Knife****SEKC60FASK Scalpel Pocket Knife****SEKC60FASB Scalpel Pocket Knife**

- IKBS ball bearing system to open and fold the knife
- Anodized aluminum handle with brushed finish
- Deep pocket carry clip helps it stay low-profile in your pocket
- Flat-grind beveled edge
- Snap-on® exclusive Ken Onion® design
- Lifetime warranty



SEKC60FASR



SEKC60FASK



SEKC60FASB

Liner Lock Knives**KER1620RDSO Liner Lock Scallion® Straight-Edge Blade Knife**

- Durable 6061-T6 anodized red aluminum handle with Snap-on® logo
- Stainless steel liners
- Safety tip lock
- Removable pocket clip
- 2-1/4" stainless steel straight-edge blade
- 2.3 oz



KER1620RDSO

KER1620OLSO Liner Lock Scallion® Olive with Snap-on® Logo

- Blade is made of 420HC steel with a bead-blasted finish
- Handle is made of 6061-T6 anodized aluminum
- Knife opens with a flipper
- Liner lock with tip lock
- Single-position pocket clip
- Made in USA



KER1620OLSO

KER1660SO Liner Lock Kershaw® Leek® with Snap-on® Logo**KER1660RDSO Liner Lock Kershaw® Leek® with Snap-on® Logo****KER1660ORSO Liner Lock Kershaw® Leek® with Snap-on® Logo**

- Blade is made of Sandvik® 14C28N steel with a bead-blasted finish
- Handle is made of 410 steel with a bead-blasted finish
- Knife opens with a flipper
- Frame lock with tip lock
- Reversible pocket clip
- Made in USA



KER1660SO



KER1660RDSO



KER1660ORSO

KER1660CKTSO Liner Lock Leek® Straight-Edge Blade Knife

- SpeedSafe® technology provides assisted opening
- 3" stainless steel straight-edge blade

KER1660CBSO Liner Lock Leek® Composite Straight-Edge Blade Knife

- 3" stainless steel straight-edge blade



KER1660CKTSO



KER1660CBSO



- Keep away from children.
- Read Safety Precautions on pages W1-W4

CUTTING: KNIVES



SEKC69AGWR



SEKC69AGWK



SEKC70AAKR



SEKC70AAKK



SEKC75FPSK



SEKC76AAWK



SEKC78ASWK



SEKC78AGWR



SEKC79ASWK

Specialty Knives

SEKC69AGWR Pilar® Red Razor Edge Large**SEKC69AGWK Pilar® Black Razor Edge Large**

- Assisted opening system activated by frame lock with flipper
- G10 textured handle for superior grip
- Black oxide razor edge blade finish on 8Cr13MoV stainless steel
- Deep finger groove for positive hold
- Deep pocket carry

SEKC70AAKR Slacker™ Compact**SEKC70AAKK Slacker™ Compact**

- Snap-on® Exclusive
- Assisted opening for fast blade deployment
- Easy to sharpen: High carbon stainless steel blade takes an edge well
- Enhanced protection: Black stonewash is durable and ages well
- Easy closing: Liner lock can be easily closed with one hand

SEKC75FPSK Field Strip Snap-on® Knife

- Snap-on® exclusive knife features "Field Strip" technology, in which the entire knife can be taken apart for cleaning and quick maintenance without any tools
- Bayonet lug-style flipper sets off the smooth open action of the stainless steel, drop-point blade
- Designed by world-renowned knife craftsman, Ken Onion

SEKC76AAWK Razel™ GT Assisted Opening Folding Knife

- Assisted opening; flipper deploys blade quickly
- IKBS™ ball bearing pivot deploys blade smoothly
- Chisel blade useful for push cutting or scraping
- Strong and lightweight aluminum handle combines strength with minimal weight
- Liner lock allows easy one-handed closing
- Lanyard hole for keychain or fob

SEKC78ASWK Ripple Stonewash SS, Small

- Assisted opening system activated by liner lock with flipper
- Black stonewash stainless steel handle for durability
- Deep pocket carry
- Unique Ken Onion® design, a Snap-on® exclusive

SEKC78AGWR Curfew™ Assisted Opening Folding Knife

- Assisted opening; flipper deploys blade quickly
- IKBS™ ball bearing pivot deploys blade smoothly
- Easy-to-sharpen, high-carbon stainless steel blade
- Aluminum bolster with G10 handle
- Liner lock allows easy one-handed closing

SEKC79ASWK Ripple Stonewash SS, Large

- Assisted opening system activated by liner lock with flipper
- Black stonewash stainless steel handle for durability
- Deep pocket carry
- Unique Ken Onion® design, a Snap-on® exclusive

Specialty Knives**SEKCB2ANWK LCK+ Assisted Opening Folding Knife**

- Assisted opening; flipper deploys blade quickly
- IKBS™ ball bearing pivot deploys blade smoothly
- Easy-to-sharpen, high-carbon stainless steel blade
- Strong and lightweight glass-reinforced nylon handle is durable and lightweight
- Liner lock allows easy one-handed closing



SEKCB2ANWK

SEKCB3AMNK HI JINX™ Black

- Snap-on® exclusive
- Assisted opening for fast blade deployment
- Easy to sharpen: high carbon stainless steel blade takes an edge well
- Enhanced protection: black stonewash is durable and ages well
- Easy closing: liner lock can be easily closed with one hand



SEKCB3AMNK

SEKCB3AGWK Tueto™ Assisted Opening Folding Knife

- Assisted Opening; flipper deploys blade quickly
- IKBS™ ball bearing pivot deploys blade smoothly
- Easy-to-sharpen, high-carbon stainless steel blade
- G10 handle provides grip in all conditions
- Liner lock allows easy one-handed closing



SEKCB3AGWK

SEKCB3AGSK Motosa

- Snap-on® exclusive
- Assisted opening for fast blade deployment
- Easy to sharpen: high carbon stainless steel blade takes an edge well
- Minimizes reflectivity: bead blast finish reduces reflection
- Easy closing: liner lock can be easily closed with one hand



SEKCB3AGSK

SEKCB4AGWR Stylus™ Assisted Opening Folding Knife

- Assisted opening; flipper deploys blade quickly
- IKBS™ ball bearing pivot deploys blade smoothly
- Easy-to-sharpen, high-carbon stainless steel blade
- G10 handle provides grip in all conditions
- Liner lock allows easy one-handed closing
- Pocket clip provides secure carry



SEKCB4AGWR

SEKCB6XNKK Hunting Knife

- Exclusive Snap-on® designed fixed blade hunting knife
- Designed by well known hunting and fishing guide, Russ Kommer
- Blade made of SK5 High Carbon Steel for excellent edge retention
- Powder coated blade for rust prevention
- Textured handle for positive grip in wet conditions



SEKCB6XNKK

S084 Series Knives**S084BLK HYPE Knife****S084OL HYPE Knife**

- SpeedSafe® Assisted Opening enables smooth, easy one-hand opening
- Trac-Tec grip-in-handle is ideal for working in wet situations
- Deep carry clip allows knife to ride low in the pocket, making it less likely to fall out and keeps a low profile of visibility
- Clip can be changed for left-hand pocket carry



S084BLK



S084OL



- Keep away from children.
- Read Safety Precautions on pages W1-W4

CUTTING: KNIVES



KER1620NBSO



KER1620FLSO



KER1620

Liner Lock Knives

KER1620NBSO Lockback Scallion® Navy Blue with Snap-on® Logo

KER1620FLSO Lockback Scallion® Frame with Snap-on® Logo

KER1620 Lockback Scallion® Black Handle Knife

- Blade is made of 420HC steel with a bead-blasted finish
- Handle is made of 6061-T6 anodized aluminum
- Knife opens with a flipper
- Liner lock with tip lock
- Single-position pocket clip
- Made in USA



KER1670TBLKT



KER1670RDBLSTSO



KER1670BLKST

KER1670TBLKT Lockback Blur Black Tanto Serrated with Snap-on® Logo

KER1670RDBLSTSO Lockback Blur Red/Black Serrated with Snap-on® Logo

KER1670BLKST Lockback Blur Partially Serrated Blade Knife

KER1670BLKSO Lockback Blur Knife Black with Snap-on® Logo

KER1670BLK Lockback Blur Straight-Edge Blade Knife

- Blade is made of Sandvik® 14C28N with a DLC coating
- Handle is made of 6061-T6 anodized aluminum with Trac-Tec inserts
- Opens with thumb stud
- Inset liner lock
- Reversible pocket clip
- Made in USA



KER1670BLKSO



KER1670BLK



KER1870RDSO

KER1870RDSO Knockout Knife with Snap-on® Logo

- Blade is made of Sandvik® 14C28N steel with a stonewashed finish
- Handle is made of 6061-T6 anodized aluminum
- Opens with a flipper or thumb stud
- Sub-frame lock
- 4-position lock deep-carry pocket clip
- Made in USA

CUTTING: UTILITY KNIVES



S086RD



S086BRNZ



S086OL

S086 Series Knives

S086RD Gasket® Knife, Red

S086BRNZ Gasket® Knife, Bronze

S086OL Gasket® Knife, Olive

- SpeedSafe® assisted opening enables smooth, easy one-hand opening
- Blade is made of black DLC-coated N690 steel
- Handle is made of T6061-T6 anodized aluminum
- Trac-Tec grip in the handle is ideal for working in wet situations
- Right- and left-handed carry
- Lanyard hole at end of the handle
- Available in six colors Red, Black, Blue, Bronze, Olive, Tan
- Knife length (closed): 4"; blade length: 2-5/8"
- Made in the USA



YA580A

Multipurpose Cutters (Blue-Point®)

YA580A Multipurpose Cutter (Blue-Point®)

- Auto-locking, fully retractable blade
- Black metal body with a blue cap and pocket clip
- Includes (1) premium steel 13-point snap blade
- Length is 5-3/8"
- Uses YA580A-1 replacement blades

YA580A-1 Multipurpose Cutter Replacement Blades (5 pk) (Blue-Point®)

- Individual break-off replacement blades for the YA580A and YA584A multipurpose cutters



YA581A

YA581A Multipurpose Cutter (Blue-Point®)

- Includes (3) blades with eight snap-off points
- Minimum blade wobble
- Fully retractable

YA581A-1 Multipurpose Cutter Replacement Blades (10 pk) (Blue-Point®)

- Replacement blades for YA581A



KER2535

SCK52



SCK53

SCK53

Sharpening Kits

KER2535 Blade Sharpener (Blue-Point®)

- Impregnated with 600 grit diamond coating bonded with nickel plating to a lightweight tube
- Excellent sharpener for the repair of extremely dull blades
- Length is 8-1/2" (20.3 cm)
- Sheath length is 5-1/2" (12.7 cm)

SCK52 Snap-on® Folding Sharpener

- Two-position sharpening rod made of steel and coated with Carborundum
- Ceramic sharpening plate
- Tungsten Carbide inserts
- Nail nick for easy opening
- Button lock for closing
- Durable and lightweight
- Textured injection-molded handle for exceptional grip

SCK53 Veff Kitchen Sharpener

- Ceramic rods are able to be angled for easy knife sharpening
- Rods can be angled at 15°, 20°, or 25° to accommodate multiple knife styles and sizes
- Stable wood platform with Snap-on® logo also doubles as storage container for ceramic rods
- Snap-on® exclusive product designed by Tom Veff

SCK53-CR2 Replacement Ceramic Rods

- Replacement ceramic rods for use with the SCK53 Veff Kitchen Sharpener



LBUK1

UKBU10

Utility Knives

LBUK1 Lockback Utility Knife (Blue-Point®)

- Folding lockback blade, hardwood handle with belt clip and thumb stud for one-hand opening
- Includes utility knife and leather pouch plus (10) replacement blades

UTK100SB Auto Retractable 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

UTK100 Retractable 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
- Blade storage for up to five blades in the handle
- Lightweight anodized aluminum body for durability—thin design for comfort

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

UKBU50PK Double-Point Blades (50 pk)

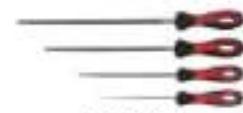
- Two-notch double-point blades
- Dispenser ejects one blade at a time
- Blade guard in the ejector
- Use with UTK100, UTK100SB, UTK150, LBUK1 and LBUK2 utility knives

UKBU10 Double-Point Utility Knife Blades (10 pk)



- Keep away from children.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4

FILES



SGFRD104



SGFMA104



SGFHR104



SGFMX104



SGHBF200A



SGHBF300A



SGHBF400A



SGHBF500A



SGHBF600A

Set Contains:

SGFRD104

SGFMA104

SGFHR104

SGFMX104

SGHBF200A

SGHBF300A

SGHBF400A

SGHBF500A

SGHBF600A

	Stock No.	Uses Handle	Diameter, inches	Overall Length, inches	Pattern	Teeth Per Inch (TPI)	Comfort Grip	Comfort Grip	Comfort Grip	Comfort Grip	Instinct*	Instinct*	Instinct*	Instinct*	Instinct*
Round File	6R*	SGHF614BR	7/32	6	Double Cut	33					*				
	8R*	SGHF615BR	9/32	8		25					*			*	
	10R*	SGHF616BR	3/8	10		23					*				*
	12R*	SGHF617BR	1/2	12		20					*				
	SGF6R	-	-	6		33	*								
	SGF8R	-	-	8		25	*			*					
	SGF10R	-	-	10		23	*								
	SGF12R	-	-	12		20	*								
Mill File	6MA*	SGHF614BR	-	6	Single Cut	51						*			
	8MA*	SGHF615BR	-	8		46						*		*	
	10MA*	SGHF616BR	-	10		41						*	*	*	*
	12MA*	SGHF617BR	-	12		36						*			
	14MA*	SGHF617BR	-	14		30									
	SGF6MA	-	-	6		51		*		*					
	SGF8MA	-	-	8		46		*		*					
	SGF10MA	-	-	10		41		*							
Half-Round File	6HR*	SGHF614BR	-	6	Double Cut	33						*			
	8HR*	SGHF615BR	-	8		25						*			
	10HR*	SGHF616BR	-	10		23						*		*	
	12HR*	SGHF617BR	-	12		20						*			
	SGF6HR	-	-	6		33			*						
	SGF8HR	-	-	8		25			*						
	SGF10HR	-	-	10		23			*						
	SGF12HR	-	-	12		20			*						
Three Square File	6T*	SGHF614BR	-	6	Double Cut	33								*	
	SGF6T	-	-	6		33				*					
	10T*	SGHF616BR	-	10		23									
Four Square File	6SQA	SGHF614BR	-	6	Double Cut	33									
	10SQA	SGHF615BR	-	10		23									*
Instinct* Handles	SGHF614BR	-	-	-	-	-					2	1	2	2	
	SGHF615BR	-	-	-	-	-					1	1	1	1	2
	SGHF616BR	-	-	-	-	-					1	1	1	1	2
	SGHF617BR	-	-	-	-	-						1			

*Handle ordered separately.

File Types and Uses:

- Round: Filing, deburring holes, concave surfaces
- Mill: Deburring, filing flat surfaces, sharp corners. (Note: Edges and flats of file have single cut ridges)
- Half Round: Deburring, filing concave and flat surfaces, large holes
- Three Square: Deburring, filing angles
- Four Square: Filing grooves, rectangular and right angle corners, mortises
- SGF "Molded" handles are not replaceable
- SGH "Instinct" handles are replaceable

Colors Available



1 0 6

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Miniature Files/Ergonomic Handle

SGFMN106 6 pc Soft Grip Handle Miniature File Set

- Includes (6) files in a vinyl storage pouch
- Ergonomic nonslip grip prevents the hand from slipping onto the file blade
- Soft, textured surface for excellent grip
- Excellent protection on the shoulder and tang of the file
- Symmetrical handles provide the same level of comfort on both sides
- Files have a hole for hanging
- Use for filing narrow grooves and passages, concave and flat surfaces, holes and internal corners

Set Contains:

Stock No.	Description	
SGF4W	Warding	*
SGF4T	Triangular, Slim Taper	*
SGF4SQ	Square	*
SGF4R	Round	*
SGF4MA	Hand	*
SGF4HR	Half-Round	*



SGFMN106

Colors Available



Red Orange Green

O G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



HBFN120B

HBFN120B

Swiss Pattern Needle Files

Set Contains:

Stock No.	Description	
5NTSC	Three Square Swiss Pattern Needle File	*
5NSQB	Square Swiss Pattern Needle File	*
5NSB	Slitting Swiss Pattern Needle File	*
5NRB	Round Swiss Pattern Needle File	*
5NMB	Marking Swiss Pattern Needle File	*
5NKB	Knife Swiss Pattern Needle File	*
5NJB	Joint Swiss Pattern Needle File	*
5NHRB	Half Round Swiss Pattern Needle File	*
5NFB	Flat Swiss Pattern Needle File	*
5NEB	Equaling Swiss Pattern Needle File	*
5NCB	Crossing Swiss Pattern Needle File	*
5NBB	Barrette Swiss Pattern Needle File	*
HF611A	Plastic File Handle	*

HBFN120B Swiss Pattern Miniature File Set

- Offers a wide array of file patterns and shapes to cover most fine applications
- Comfortable handle with collet allows full interchangeability
- Blade is 5-1/2" long
- Includes (1 ea) 5NBB Barrette File, 5NCB Crossing File, 5NEB Equaling File, 5NFB Flat File, 5NHRB Half Round File, 5NJB Joint File, 5NKB Knife File, 5NMB Marking File, 5NRB Round File, 5NSB Slitting File, 5NSQB Square File, 5NTSC Three Square File, HF611A Handle and instructions in a vinyl pouch

HF611A Plastic File Handle

- Plastic screwdriver collet-style handle for holding individual files in the HBFN120B Set



HF611A



5NSQB



5NKB

5NRB	● Round	5NTSC	▲ 3-Square
5NHRB	◐ Half Rd.	5NEB	▬ Equaling
5NFB	▬ Flat	5NBB	▬ Barrette
5NCB	◐ Crossing	5NJB	◐ Joint
5NKB	◐ Knife	5NSB	◐ Slitting
5NSQB	■ Square	5NMB	◐ Marking



WARNING



• Read Safety Precautions on pages W1-W3

FILES



6T

Three Square Files

10T 10" Long Three Square File

- 10" long, 9-1/2" cut length

6T 6" Three Square File

- 6" long, 5-1/2" cut length



6CR

Chain Saw Files

6CR 6" Single Cut Chain Saw File

- 6" long, 5/32-9/64" dia

- Uses HF611A file handle

8CR 8" Single Cut Chain Saw File

- 8" long, 7/32-5/32" dia



10FMK

Multi-Cut Flat File

10FMK Multi-Cut Flat File

- 10" long

- Useful for all flat filing; high removal rate with smooth finish on most materials

ACCESSORIES



SGHF614BR

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	Thread Size
SGHF614BR*	4MA, 6CR, 6R, 6T, 6MA, 6HR, 6CR, 8R, 6SQA	1/4-28
SGHF615BR*	8T, 8MA, 8HR, 10R, 10SQA	5/16-24
SGHF616BR*	10T, 10MA, 10HR, 12R	3/8-24
SGHF617BR	12MA, 12HR	3/8-24

Colors Available



* R O G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



GA98A

Plastic Adjustable Jaw Handle

GA98A Plastic Adjustable Jaw File Handle (Blue-Point®)

- Provides a large, comfortable grip for all bastard cut files
- Adjustable jaws grip the file so it cannot turn
- Used on files 4-16" long
- 4-1/2" long, 1" dia., 3/8" maximum opening



GA616

Wooden Twist-On Handles (Blue-Point®)

- Wooden twist-on handles with case hardened, threaded-steel inserts

Stock No.	Length, inches	For Files
GA613	4	4MA, 6CR, 6R
GA614	4	6T, 6MA, 6HR, 6R
GA615	4-1/2	8T, 8MA, 8HR, 10R
GA616	4-1/2	10T, 10MA, 10HR, 12R
GA617	5	12MA, 12HR
GA618	5	14MA, 16MA



YA337A

File Brushes

YA337A File Cleaner Brush (Blue-Point®)

- Bristle area of 3-1/2 x 1-1/2" with .013" (33 gauge) wire
- Wooden handle
- 7-1/2" long



PKNG90

Large Surface Scrapers

PKNG90 Glass/Acrylic Large Scraper

- For use on glass and acrylic surfaces
- Large handle for an easy grip
- Orange color visually differentiates from black glass-filled nylon products
- Ideal for removing dirt/debris, windshield decals, adhesive mounts for mirrors, dealer stickers, tree sap, algae from fiberglass boats and window tinting



PKNG90

PKNG90 Non-Marring Large Scraper

- Glass-reinforced nylon offers a great blend of flexibility and strength
- Non-marring composite material will not scratch soft metals, paint or composites
- Ideal for use on cylinder blocks or other large gasket mating surfaces
- Removes corrosion on flat metals (aluminum, steel, etc.) with suitable etch cleaners and rust removal solutions, primer preparation and cleaning solvents
- Can be used with suitable chemicals, paint coatings, gel coats, etc.

SCRAPERS AND PUTTY KNIVES

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 a secure grip when striking
- Can be used as a chisel or scraper

Stock No.	Description	Blade Width, inches (mm)	Set Contains:	
			PKNC300	PKNC301
PKNC050	Single Bevel	1/2 (13)		•
PKNC075	Single Bevel	3/4 (19)		•
PKNC075C2	Dual Bevel	3/4 (19)		•
PKNC125C2	Dual Bevel	1-1/4 (32)	•	
PKNC190	Single Bevel	1-1/2 (38)	•	
PKNC200	Single Bevel	2 (51)	•	



PKNC300



PKNC301



PKNC125C2

PKNC125C2 Dual Bevel Striking Scraper

- Dual bevel design for two distinct blade lengths
- 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 a secure grip when striking

Non-Marring Scrapers

- Tips are matched for most popular applications, including badge/emblem/decals removal, gasket and molding removal, adhesive removal, and dirt and debris removal or cleaning
- Glass-reinforced nylon provides strength
- Lightweight and resistant to most automotive fluids
- Useable with hammers (block end/tap into position)
- Avoid scratching or gouging of soft materials

Stock No.	Blade Style	Blade Width, inches (mm)	Set Contains:	
			PKNS00	PKN3
PKN1	Straight Blade	7/8 (22)	•	
PKN2	Straight Blade	1-1/4 (32)	•	
PKN3	Curved Blade	1-1/8 (29)	•	
PKN4	Angle Blade	3/4 (19)	•	
PKN5	Curved Blade	5/8 (16)	•	



PKNS00



PKN3

Rigid Carbon Scrapers

- 1/4" square shanks are flared to form scraping edge
- Classic screwdriver-type handle

Stock No.	Length, inches (mm)	Blade Width, inches (mm)	Set Contains:	
			CSA300AR*	CSA12C
CSA8C	7-5/8 (194)	7/8 (22)	•	
CSA12C	12-7/8 (327)	1 (25)	•	
CSA14C	14-1/8 (356)	1-1/2 (38)	•	

Includes plastic tray



CSA300AR



CSA12C

Knife Blade Scrapers (Blue-Point®)

- Remove gaskets, sealers and other materials
- Blade edge is designed to work effectively in both push and pull directions
- Stainless steel blades for durability
- Polished blades clean up easily
- Composite handles feature a contour thumb stop and wide hilt for precise control

Stock No.	Blade Length, inches (mm)	Blade Style	Length, inches (mm)	Set Contains:	
				USS103	USS102
USS710	3-3/8 (85)	Spoon	8 (203)	•	
USS711	2-1/2 (64)	Chisel Tip	7-1/8 (181)	•	
USS712	2-1/8 (54)	Oyster	6-3/4 (171)	•	



USS103



- Keep away from children.
- Read Safety Precautions on pages W1-W4

SCRAPERS AND PUTTY KNIVES



Non-Marring Tools

Stock No.	Description	Blade Width, inches (mm)	Set Contains:	
			PKK100*	PSN500*
PBN10	90° L Non-Marring Scraper	5/8 (16)		•
PBN11	Narrow Wedge Non-Marring Scraper	5/8 (16)		•
PBN14	Narrow Point Non-Marring Scraper	5/8 (16)		•
PKN7	Curve Tube Blade Non-Marring Scraper	5/8 (16)		•
PKN8	45° Non-Marring Cutter/Scraper	—		
PKN9	3 mm Narrow Non-Marring Scraper	—		
PKN10	Large Bill-Nose Scraper	1 (25)		
PKN12	Large Diamond-Head Non-Marring Scraper	1-1/4 (32)		
PKN13	Large 2" Non-Marring Scraper	1-3/8 (35)		
PBN12	Curve Cup Non-Marring Pry Tool	5/8 (16)		•
PBN15	90° Pry Tool	1-1/4 (32)		
PPK15	Non-Marring Pick	—		•
PPK20	Small Non-Marring Hook	—		•
PPK25	Large Non-Marring Hook	—		•

*Includes storage pouch

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 provide a sure grip and are resistant to most solvents
- Flared neck design helps protect against hand slipping during use
- Stiff blade style



Stock No.	Blade Style	Edge	Blade Length, inches (mm)	Blade Width, inches (mm)	Set Contains:	
					PKB500A	
PKB500A ²	Stiff	Straight	3-1/2 (89)	2 (51)		•
PKB52A ²	Soft	Straight	3-19/32 (91)	1-1/4 (32)		•
PKB53A ²	Soft	Single Bevel	3-19/32 (91)	1-1/4 (32)		•

Putty Knives/Scrapers (Blue-Point®)

- Full-length steel blades for strength and durability
- Soft molded rubber handles provide a sure grip and are resistant to most solvents



Stock No.	Blade Style	Edge	Blade Length, inches (mm)	Blade Width, inches (mm)	Set Contains:	
					PK500A	
PK500A	Flexible	Straight	3-1/2 (89)	2 (51)		•
PK52A	Flexible	Straight	3-19/32 (91)	1-1/4 (32)		•
PK53A	Stiff Chisel	Single Bevel	3-19/32 (91)	1-1/4 (32)		•

Walnut Handle 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 Style	Edge	Blade Length, inches (mm)	Blade Width, inches (mm)	Set Contains:	
					PKWHD53A	
PKWSS53A	Straight	Chisel	2-3/4 (70)	1-1/4 (32)		•
PKWLR53A	Straight	Chisel	5-1/2 (140)	1-1/4 (32)		•
PKWBS53A	Angled	Chisel	3-3/8 (86)	1-1/4 (32)		•

Maple Handle Putty Knife (Blue-Point®)

- Mirror-finish hardened-steel blade extends through the hardwood handle, solidly riveted for durability
- Maple handle has a metal bolster where the handle meets the blade



Stock No.	Blade Style	Edge	Blade Width, inches (mm)	Handle Length, inches (mm)
PK23A	Heavy Chisel	Single Bevel	1-1/4 (32)	3-7/8 (98)

SCRAPERS AND PUTTY KNIVES



Scrapers

MS400A 4" Compact Scraper (Blue-Point®)

- Removes stickers, molding paint and decals
- Used with standard, single-edge steel or plastic razor blades
- Quick and easy blade changes
- Angled head provides maximum leverage

MS800 8" Standard Scraper (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

MS1300 13" Long Scraper (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

MS3000 Scraper Set (Blue-Point®)

- Includes MS400, MS800, MS1300 and MSRPACKS in a storage case

CS1 Flexible Wire Carbon Scraper (Blue-Point®)

- (10) blades made of oil-tempered spring steel
- Sliding ferrule is used to adjust to the required flexibility

PK70 Multipurpose Scraper (Blue-Point®)

- Used for gasket removal, deburring, car body work and rust removal
- Durable tungsten-carbide blades
- Ergonomic handle reduces fatigue
- Thumb grip allows precision scraping

PK70DROP Replacement Drop Blade (Blue-Point®)

- Drop-shaped replacement blade for PK70

PK70PEAR Replacement Pear Blade (Blue-Point®)

- Pear-shaped replacement blade for PK71

PK70ROUND Replacement Round Blade (Blue-Point®)

- Round replacement blade for PK72

PK70TRI Replacement Triangular Blade (Blue-Point®)

- Triangular replacement blade for PK70

PKRS1 Ergonomic 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

YA1800A Single-Edge Razor Blades (100 pk) (Blue-Point®)

- 100 blades in a plastic dispenser
- Blades have aluminum backs that can be shaped for special applications

EXHAUST, CUTTERS, EXPANDERS AND SPECIAL TOOLS (Blue-Point®)

Cutters

VGP18210 Chain Pipe Cutter (Blue-Point®)

- Quickly and easily cuts exhaust pipes with 13 alloy cutting wheels in the chain
- Cuts stainless steel, copper and PVC piping from 15–75 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 the cutting wheels with each series of cut

TC90A[†] Tailpipe Cutter (Blue-Point®)

- Handles cutting from 3/4–3-1/2" dia
- 16-link cutter chain is 12" long
- Threaded shaft with crosspiece provides elasticity to help prevent the chain wheels from breaking
- Ideal for cutting the strut assembly to enable servicing of the strut cartridge

TC90A1[†] Chain Assembly (Blue-Point®)

- Includes one wheel and one roll pin



VGP18210



TC90A

Exhaust Tools

A140 3/8" Drive Exhaust Stud Socket for Ford® Vehicles

- Socket designed to remove and install catalytic converter studs, typically found on various Ford®, Lincoln® and Mercury® RWD and FWD vehicles

YA1300 Manifold Jack (set of 2) (Blue-Point®)

- Used to expand the manifold to its original shape and bolt hole alignment
- Used with a 3/4" open end wrench

YA3202 Exhaust Hanger Removal Pliers (Blue-Point®)

- Removes hanger brackets from rubber mounting straps by placing jaw behind rubber grommet ring and forcing pin of pliers on the end of the steel hanger
- When handles are squeezed, the forcing pin pushes the ring off the hanger
- 14" long



A140



YA1300



YA3202



[†]These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.
 • Keep away from children.
 • Read Safety Precautions on pages W1–W4

EXHAUST, CUTTERS, EXPANDERS AND SPECIAL TOOLS (Blue-Point®)



PH300

Expanders

PH300 Tailpipe/Exhaust Stretcher (Blue-Point®)

- Stretches all types of exhaust pipe, including stainless steel, from 1-5/8-2-7/16"
- Used with an impact wrench

PH800 Tailpipe Expander with Collets (Blue-Point®)

- Simple and convenient set for tailpipe expansion jobs
- Using an impact wrench the pipe stretcher is a convenient, inexpensive alternative to a hydraulic pipe expander
- Can be used right on the vehicle
- Includes PH300 and (5) aluminum collets
- Expands from 1-5/8-4-1/4"
- Includes molded storage case

TUBING, CUTTERS, FLARING AND BENDING



TC15A



TC25A



TC15-7C



TCCTMS1

Cutters

TCCTMS1³ pc Constant Tension Cutting Set (Blue-Point®)

- Constant Tension feature allows user to tighten once and cut—no need to readjust tension as you would with other tubing cutters saving time and effort
- Three different sizes available for various sized tubing. TCCTMIC cuts a range of tubing sizes from 1/8-5/8" (4-16 mm); TCCTMINI cuts a range of tubing sizes from 1/8-7/8" (4-22 mm); TCCTLRG cuts a range of tubing sizes from 1/8-1-1/4" (4-32 mm)
- Spring loaded cutting wheel protects from over-tightening and crimping the tubing
- One replacement cutting wheel for each tool included
- Custom blue color with clear laser markings
- Includes replacement cutting wheels: TCCTSWHL small cutting wheel for the TCCTMIC and the TCCTLWHL for the TCCTMINI and TCCTLRG

TCCTLRG¹ Large Constant Tension Cutter (Blue-Point®)

- Constant Tension feature allows user to tighten once and cut—no need to readjust tension as you would with other tubing cutters saving time and effort
- Adjustable cutting tool for various sized tubing, allowing user increased access
- Spring loaded cutting wheel protects from over-tightening and crimping the tubing
- Custom blue color with clear laser markings

TCCTMINI¹ Mini Constant Tension Cutter (Blue-Point®)**TCCTMIC² Micro Constant Tension Cutter (Blue-Point®)****TC15A Ratcheting Tubing Cutter**

- Ratchet action allows tubing to be cut all around 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

TC25A Ratcheting Tubing 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" dia
- Ratcheting tubing cutter with unique spring-loaded action mechanism allows one or two tightening adjustments to complete the cut in very hard-to-reach places
- High-impact fiberglass handle is strong and lightweight

TC15-7C Cutting Wheel

- Standard replacement cutting wheel for TC15A Ratcheting Tubing Cutter

TC15-HSS Small Cutting Wheel

- High-speed steel cutting wheel

TCCTSWHL² Small Cutting Wheel for TCCTMIC**TCCTLWHL¹ Large Cutting Wheel for TCCTMINI and TCCTLRG**

Universal Hydraulic Flaring Tool Set

TF600-2 Flaring Adaptor (5/16") (Blue-Point®)

- 5/16" flaring adaptor for push connect flares

TF600-3 Flaring Die Set (5/16") (Blue-Point®)

- 5/16" flaring die set for push connect flares

TF600-4 Flaring Adaptor (3/8") (Blue-Point®)

- 3/8" flaring adaptor for push connect flares

TF600-6 Flaring Adaptor (1/4") (Blue-Point®)

- 1/4" flaring adaptor for push connect flares

TF600-7 Flaring Die Set (1/4") (Blue-Point®)

- 1/4" flaring die set for push connect flares

TF7001 GM® Fuel Adaptor (5/16") (Blue-Point®)

- 5/16" GM® Fuel Line Adaptor

TF7002 GM® Fuel Die Set (5/16") (Blue-Point®)

- 5/16" GM® Fuel Line Die Set

TF7003 GM® Fuel Adaptor (3/8") (Blue-Point®)

- 3/8" GM® Fuel Line Adaptor

TF7004 GM® Fuel Die Set (3/8") (Blue-Point®)

- 3/8" GM® Fuel Line Die Set

Bending Tools

TBS100 Tubing Bender

- Bends tubing up to 1/4" O.D.
- Bends copper, brass, Bundy weld, non-coated 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 on tool for accurate bends
- Handles 3/16, 1/4, 5/16 and 3/8" (4, 6 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, shown on tool for accurate bends
- Pull lever to easily disengage the 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
- 10-1/2" long



TBS100



TBS200A



TBS300

Flaring Tool Sets (Blue-Point®)

TF528D Tube Cutting and Double Flaring Set (Blue-Point®)

- Includes a tubing cutter, double flaring set with a flaring bar, rod handle, yoke and (5) adaptors (3/16, 1/4, 5/16, 3/8 and 1/2")
- Includes a storage case

TFMSA Metric Double Flaring Tool Set (Blue-Point®)

- Same design as TF5A except for tubing with a O.D. from 4.75–10 mm
- Set includes a yoke, bar assembly, handle and (5) adaptors (4.75, 5, 6, 8 and 10 mm)

TF5A Double Flaring Tool Set (Blue-Point®)

- 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 (5) adaptors, a yoke assembly, bar assembly and handle
- Storage case included

TF275A Flaring and Swaging Set (Blue-Point®)

- 45° flare or swage of 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
- Includes TF275PB storage case

TFM428 Metric Bubble Flaring Set (Blue-Point®)

- For automotive brake systems
- Designed for crack-free bubble flares on soft wall tubing up to a .028" wall thickness
- Adaptors included for 4.75, 6, 8 and 10 mm flares
- Includes TFM428PB storage case

TFL20MK Master Inline Flaring Kit (Blue-Point®)

- Unique design locks the adaptors, cone, and tube in a perfect line to help make perfect factory flares every time
- Clamp and set screws put pressure directly over the tube, greatly reducing the chance of the tube slipping from the clamp; increases the overall life of the clamp by not wearing down the teeth inside from repeated slipping
- Slender low-profile design allows the user to make flares on the vehicle in tight spaces
- Flares can be achieved along the frame rails or areas in the engine compartment, saving the user time from having to remove components or complete lines to make repairs
- Kit includes the constant tension tubing cutter

TFL500 Flaring Kit (Blue-Point®)

- Used 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
- Inline 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 Flaring Kit (Blue-Point®)

- Makes double flares on 3/16" and 4.75 mm tubing

TFLM800 Flaring Kit (Blue-Point®)

- Makes double flares on 4.75, 5, and 6 mm tubing



TF528D



TFMSA



TF5A



TFM428



TFL500



TFLM800



†These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details. • Read Safety Precautions on pages W1–W4.

SPARK PLUG SERVICE TOOLS



Boot Pliers

SBP3¹ Boot Pliers (Blue-Point[®])

- 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

SBP5¹ Boot Pliers (Blue-Point[®])

- 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

YA8230¹ Valve Stem Seal Pliers (Blue-Point[®])

- 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

YA824C¹ Spark Plug Boot Pliers (Blue-Point[®])

- 45° offset jaws
- Vinyl-coated jaws and handles assure gripping ability
- Used only on automotive type ignition systems
- 9-1/2" long

YA824ASTR¹ Boot Pliers (Blue-Point[®])

- Straight jaw version of YA824C
- 9-3/4" long



FSPPRK

Porcelain Extractors

FSPPRK¹ Porcelain Extractor Set

- Used in combination with the FSPK Spark Plug Extractor set 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 pk), special Loctite[®] 680 adhesive (5 mL) to remove broken porcelain, clean out wire and blow-molded storage case
- Applications (engines covered): 4.6 L V8 2005–2008 (Ford[®] Mustang[®], Explorer[®], Mercury[®] Mountaineer[®]); 5.4 L V8 2004–2008 (Ford[®] F-150[®], F-250[®] Super Duty[®], F-350[®] Super Duty[®], E-450[®] Super Duty[®], Expedition[®], Lincoln[®] Navigator[®], Mark LT); 6.8 L V-10 2005–2008 (Ford[®] F-250[®] Super Duty[®], F-350[®] Super Duty[®], F-450[®] Super Duty[®], F-550[®] Super Duty[®], E-450[®] Super Duty[®], E-450[®] Econoline[®])

FSPPRK1¹ Porcelain Repair Kit for Ford[®] Vehicles

- Includes washer, center screw, guide, hex nut and end nut

FSPPRK2¹ Pins (10 pk)

FSPPRK3¹ Loctite[®] 680

- 5 mL

FSPPRK4¹ Clean Out Wire

- Cleans hole



FSPK

Spark Plug Extractors

Stock No.	Description	
FSPK1 ¹	Barrel	•
FSPK2 ¹	Threaded Shaft	•
FSPK3 ¹	Nut	•
FSPK4 ¹	Thrust Washer	•
FSPK5 ¹	Vinyl Cap	•

Optional Top Holder TDL8-10

FSPK¹ Spark Plug Extractors

- Removes broken spark plugs from the cylinder head on Ford[®] Triton[®] 5.4 L three-valve engines, 4.6 L engines and 6.8 L engines without removing the head



SPRTLM203

Spark Plug Tools

Stock No.	Description	Set Contains:
SPRTLM12 ¹	3/8" Drive 12 mm Metric Spark Plug Retreader	•
SPRTLM14 ¹	3/8" Drive 14 mm Metric Spark Plug Retreader	•
SPRTLM16 ¹	3/8" Drive 16 mm Metric Spark Plug Retreader	•

SPRTLM203 3 pc 3/8" Drive Metric Spark Plug Retread Kit

- 8" length eliminates need for extensions, allowing for a positive feel while reducing chance of cross-threading
- Eliminates possibility of dropping tool into the cylinder head
- Services all major vehicle platforms using 12, 14, and 16 mm spark plugs
- Taps feature a 5/8" hex head and 3/8" square drive

SPARK PLUG SERVICE TOOLS



FRT10



FRT12



HB5PK



YA832A



YAB40

Spark Plug Tools

FRT10¹ 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 4.6, 5.4, 6.8 L and V10 Ford[®] vehicles
- Set includes tap, core drill, guide, storage case, instructional DVD and spark plug insert

FRT12¹ Three-Valve Insert Kit for Ford[®] Vehicles (Blue-Point[®])

- Repairs 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 4.6, 5.4 and 6.8 L engines built 2003–2007
- Set includes tap, core drill, guide, insert installer, insert and storage case

HB5PK Spark Plug File Set

- Fine, single-cut tungsten file for smoothing or cleaning spark plug and other contact points
- Includes (2) HB5 spark plug files

YA6845² Spark Plug Boot Remover

- For use on ripped or stuck spark plug boots
- Easily saves time, 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

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

YAB40 In-Line Spark Tester (Blue-Point[®])

- Quickly diagnoses ignition systems
- Works on all ignition systems including the distributorless type
- Status of indicator light shows if a problem exists in the ignition system or fuel system

Spark Plug Socket Sets

Size	Set Contains:		A	B	C	Rubber Insert			
	6	12							
5/8"	S9706KA	—	3/8	27/32	2-27/32	S9706KARI	•		
5/8"	S9720KA	—	3/8	27/32	5-31/32	S9706KARI		•	
5/8"	S9706KFUA	—	3/8	5/8	3-23/32	S9706KARI	•		
13/16"	S9704KA	—	3/8	7/8	2-3/4	S9705A2	•		
13/16"	S9704KFUA	—	3/8	13/16	3-9/16	S9705A2	•		
13/16"	S9719KA	—	3/8	1-3/64	5-7/8	S9719-2A			•
3/8"	FXKL6A	—	1/2	6	—	—	•		
9/16"	S9716KFUA	—	3/8	3/4	2-15/16	S9714MK-2		•	
9/16"	S9716KA	—	5/8	23/32	2-1/8	S9714MK-2		•	
9/16"	S9716KL	—	3/8	25/32	5-7/8	S9714MK-2			•
3/4"	S9718KA	—	3/8	31/32	2-13/32	S9705A2			•
14 mm	—	S9714MK	16.0	19.6	2.6 (66)	S9714MK-2	•		
14 mm	S9714MKS	—	16.0	19.6	2.6 (66)	S9714MK-2		•	
14 mm	—	S9714MKDFUA	3/8	25/32	3-1/8 (79.5)	S9714MK-2			•
14 mm	S9714MKFUA	—	3/8	25/32	3-1/8	S9714MK-2			•
14 mm	S9714MKL	—	16.0	19.6	149.2	S9714MK-2			•
14 mm	—	S9714MKDL	16.0	19.6	149.2	S9714MK-2			•
18 mm	S9711KA	—	17/16	24.3	66.0	S9706KARI			•

ASME[®]ANSI[®] B107.34M

206ESSPKPLG
206ESSPKPLG2
206ESSPKPLG3

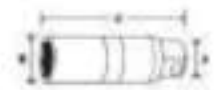


- Read and follow safety messages in the instructions.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.
- Read Safety Precautions on pages W1–W11

FLANK DRIVE® SPARK PLUG SOCKETS



S9710KC



Ball Joint Swivel

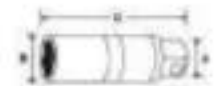
#	6	A	C	Rubber Insert
5/8	S9710KC	3/8	3-25/32	S9706KARI
13/16	S9709KB	3/8	3-25/32	S9705A2



S9706KMAG



S9716KLMAGA



Magnetic

#	6	12	A	B	C
9/16"	S9716KLMAGA	—	5/8	25/32	5-7/8
5/8"	S9706KMAG	—	11/16	27/32	2-27/32
13/16"	S9704KMAG	—	7/8	1-1/16	2-11/16
14 mm	S9714MKMAGA	—	5/8	19.56	56.38
14 mm	—	S9714MKDMGA	5/8	18.03	66.04



S9704KFUA



S9716KFUA



Universal

#	6	12	A	B	C	Rubber Insert
9/16"	S9716KFUA	—	3/8	3/4	2-15/16	S9714MK-2
5/8"	S9704KFUAMAG	—	3/8	27/32	3-3/4	—
5/8"	S9706KFUA	—	3/8	5/8	3-23/32	S9706KARI
13/16"	S9704KFUA	—	3/8	13/16	3-5/16	S9705A2
14 mm	S9714MKFUA	—	3/8	25/32	3-1/8	S9714MK-2
14 mm	—	S9714MKDFUA	3/8	25/32	3-1/8	—

FLANK DRIVE® SPARK PLUG SOCKETS

Retention

- Patented tapered hex design securely retains spark plug in socket without rubber insert or magnet
- Patented diamond wedge design with six wedges equally aligns the plug in the center to avoid damage to the porcelain (US Patent #6,626,067)
- Spark plug is easily disengaged by applying gentle side pressure
- Spark plug extends through the socket for access in tight quarters
- Side through hole for secure extension retention for coil on plug applications
- Snap-on® sockets using the Flank Drive® wrenching system grip the fastener on the flanks/flats which deliver 15–25% more turning power
- Manufactured from the highest quality proprietary steel, providing optimum strength and durability
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean
- Spark plug socket is cold-formed for extended tool life
- Knurled surface for finger tightening/removal
- External hex on standard models for restricted-access applications



S9716KR



S9704KR

#	G	A	B	C
9/16"	S9716KR	5/8	25/32	2-3/8
5/8"	S9706KRFUA	N/A	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	19.6	60.3

ANSI® B107.34M

S9716KR 3/8" Drive 6-Point SAE 9/16" Flank Drive® Standard Retention Spark Plug Socket

- Applications include 4.6 L, 3-valve engine 2005 Ford® Mustang® and 5.4 L V8, 3-valve engine Ford® 2004 F-150®

S9714MKR 3/8" Drive 6-Point Metric 14 mm Flank Drive® Retention Spark Plug Socket

- Applications include 14 mm spark plugs used in Nissan® 1.8 L Versa® and 2.0 L Sentra®, Mercedes® and BMW® vehicles

S9704KR 3/8" Drive 6-Point SAE 13/16" Flank Drive® Standard Retention Spark Plug Socket

- Applications include the removal and installation of 13/16" spark plugs

S9706KRA 3/8" Drive 6-Point SAE 5/8" Flank Drive® Standard Retention Spark Plug Socket

- Applications include 4.7 L engines used on Jeep® Commander® and Grand Cherokee®, RAM®, Durango® and Dakota® plus Chrysler® Aspen® vehicles, plus general applications on autos, light trucks, motorcycles and power equipment

S9706KRFUA 3/8" Drive 6-Point SAE 5/8" Flank Drive® Universal Retention Spark Plug Socket

- Applications include 4.7 L engines used on Jeep® Commander and Grand Cherokee®, RAM®, Durango® and Dakota® plus Chrysler® Aspen® vehicles, plus general applications on autos, light trucks, motorcycles and power equipment



S9723



S9704RHS



S9724RHS



OGS1528

Special Application

- Spark plug extends through the socket for access in tight quarters
- Patented tapered hex design securely retains the spark plug in the socket without a rubber insert or magnet
- Patented diamond wedge design with six wedges equally aligns the spark plug in the center to avoid damage to the porcelain
- Spark plug is easily disengaged from the socket by applying gentle side pressure to break the contact
- 5/8" offset spark plug socket for limited-access situations
- Side through-hole for secure extension retention
- Snap-on® sockets using the Flank Drive® wrenching system grip the fastener on the flanks/flats, delivering 15–25% more turning power
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean
- Spark plug socket is cold formed for extended tool life

S9723 3/8" Drive 12-Point SAE 5/8" Flank Drive® Offset Spark Plug Socket

- Knurled surface for finger tightening and removal

S9704RHS 3/8" Drive 6-Point SAE 13/16" Flank Drive® Low-Profile Spark Plug Socket

- Low-profile socket easily reaches spark plugs without interference from custom exhausts or chassis
- Knurled surface for finger tightening and removal

S9724RHS 3/8" Drive 6-Point SAE 5/8" Flank Drive® Low-Profile Spark Plug Socket

- Low-profile socket easily reaches spark plugs without interference from custom exhausts or chassis

OGS1528 1/2" Drive 6-Point SAE 7/8" Spark Plug Socket

- Retaining ring holds the spark plug in the socket to aid in removal and installation
- Used for removing and installing spark plugs on large Waukesha® Engine Generators





- Read and follow safety messages in the instructions.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages WI-1 to WI-4.

FLANK DRIVE® SPARK PLUG SOCKETS



Standard, inches

		A	B	C	Rubber Insert
9/16"	S9716KA	3/8	23/32	2-1/8	S9714MK-2
5/8"	S9706KA	3/8	20/32	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

*Designed for aircraft applications.

ASME/ANSI® B107.34M





Standard, mm

			A	B	C	Rubber Insert
14	S9714MK5	—	16.0	19.6	66.0	S9714MK-2
14	S9714MKL	—	16.0	19.6	149.2	S9714MK-2
14	—	S9714MKDL	16.0	19.6	149.2	S9714MK-2
14	—	S9714MK	16.0	19.6	66.0	S9714MK-2
16	—	S9716MKDL	5.8	20.4	101.6	S9706KARI
18	S9718KA	—	11/16	24.3	66.9	S9706KARI
14	—	S9714MKDEU	16.0	19.6	66.0	—

ANSI® B107.34M



Extra-Deep, inches

		A	B	C	Rubber Insert
9/16"	S9716KL	3/8	25/32	5-7/8	S9714MK-2
5/8"	S9720KA	3/8	—	5-31/32	S9706KARI
13/16"	S9719KA	3/8	—	5-7/8	S9719-2A

SPARK PLUG SOCKETS (Blue-Point®)



Spark Plug, Inches, Chrome (Blue-Point®)

		Length, inches
13/16	BLPSP5381316	2-3/4
5/8	BLPSP53858	2-9/16

THREAD RESTORING: RETHREADING TAPS AND DIES



RTD48

RTD48¹ 48 pc Master Rethreading Tap and Die Set

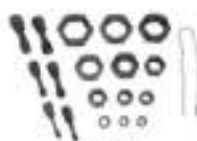
- Includes taps and dies, plus thread restorer files
- Repairs or renews damaged threads using a socket or wrench (not for hardened threads or cutting the threads)
- Includes storage case



TRC3

TRC3² 18 pc Coarse US Rethreading Tap Set (Blue-Point[®])

- Includes (6) NC taps and (12) NC dies
- Silver zinc finish



TRF3

TRF3² 18 pc Fine US Rethreading Tap Set (Blue-Point[®])

- Includes (6) NF taps and (12) NF dies
- Black phosphate finish



RTD15M

RTD15M² 14 pc Metric Tap and Die Set (Blue-Point[®])

- Includes (7) metric dies and (7) metric taps
- Gold zinc finish

WSK12-1² M14 x 2.00 Stud Installer (Blue-Point[®])

WSK12-PB Plastic Box (Blue-Point[®])

WSK755-2² M14 x 1.50 Socket (Blue-Point[®])

WSK755-3² 1/2"-20 Socket (Blue-Point[®])

WSK755-5² Washer (Blue-Point[®])

WSK755-6² Spacer (Blue-Point[®])

WSK938-3² M12 x 1.25 Socket (Blue-Point[®])

WSK938-4² M12 x 1.50 Socket (Blue-Point[®])

Rethreading Tap and Die Set Components

Type	Size, inches	Stock No.	Set Contains:				
			RTD48 ¹	TRC3 ²	TRF3 ²	RTD15M ²	
NC Rethreading Taps	1/4-20	TRT2520A ¹	•	•			
	5/16-18	TRT3118A ¹	•	•			
	3/8-16	TRT3716A ¹	•	•			
	7/16-14	TRT4314A ¹	•	•			
	1/2-13	TRT5013A ¹	•	•			
	9/16-12	TRT5612A ¹	•	•			
NF Rethreading Taps	1/4-28	TRT2528A ¹	•		•		
	5/16-24	TRT3124A ¹	•		•		
	3/8-24	TRT3724A ¹	•		•		
	7/16-20	TRT4320A ¹	•		•		
	1/2-20	TRT5020A ¹	•		•		
	9/16-18	TRT5618A ¹	•		•		
Metric Rethreading Taps	(M8 x 1)	TRT51 ¹	•			•	
	(M8 x 1.25)	TRT53 ¹	•			•	
	(M10 x 1.25)	TRM1025-2 ¹	•			•	
	(M10 x 1.5)	TRT54 ¹	•			•	
	(M12 x 1.75)	TRT55 ¹	•			•	
	(M12 x 1.5)	TRT56 ¹	•			•	
	(M12 x 1.25)	TRT57 ¹	•			•	
	(M10 x 1.30)	TRT101 ¹	•				
	(M11 x 1.50)	TRT11150 ¹	•				
	(M14 x 1.50)	TRT14150 ¹	•				
	(M20 x 1.5)	S6201					
	NC Rethreading Dies	1/4-20	TR2520A ¹	•	•		
5/16-18		TR3118A ¹	•	•			
3/8-16		TR3716A ¹	•	•			
7/16-14		TR4314A ¹	•	•			
1/2-13		TR5013A ¹	•	•			
9/16-12		TR5612A ¹	•	•			
5/8-11		TR6211A ¹	•	•			
3/4-10		TR7510A ¹	•	•			
7/8-9		TR8759A ¹		•			
1-8		TR10008A ¹		•			
1-1/8-7		TR11257A ¹		•			
1-1/4-7		TR12507A ¹		•			
NF Rethreading Dies		1/4-28	TR2528B ¹	•	•		
		5/16-24	TR3124B ¹	•	•		
		3/8-24	TR3724B ¹	•	•		
	7/16-20	TR4320B ¹	•	•			
	1/2-20	TR5020B ¹	•	•			
	9/16-18	TR5618B ¹	•	•			
	5/8-18	TR6218B ¹	•	•			
	3/4-16	TR7516A ¹		•			
	7/8-14	TR8714A ¹		•			
	1-14	TR10014A ¹		•			
	1-1/8-12	TR11212A ¹		•			
	1-1/4-12	TR12512A ¹		•			
Metric Rethreading Dies	(M8 x 1)	TDM51B ¹	•			•	
	(M8 x 1.25)	TDM53B ¹	•			•	
	(M10 x 1.25)	TRM1025-1 ¹	•			•	
	(M10 x 1.5)	TDM54B ¹	•			•	
	(M12 x 1.75)	TDM55B ¹	•			•	
	(M12 x 1.5)	TDM56B ¹	•			•	
	(M12 x 1.25)	TDM57B ¹	•			•	
	(M10 x 1.30)	TR101 ¹	•				
	(M11 x 1.50)	TR11150 ¹	•				
	(M14 x 1.50)	TR14150 ¹	•				
	(M14 x 2)	TR14200					



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Rethreading taps and dies renew existing threads; do not use for cutting new threads or on hardened steel.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

THREAD RESTORING: FILES AND THREAD CHASERS



TFTFM932A

Thread Restoring Files

TFTFM932A 3 pc Thread Restoration File Set (Blue-Point®)

- Includes (3) commonly needed files
- Files feature a black industrial finish and comfortable vinyl handles
- Files service a range of 9–32 threads per inch and 0.75–3 mm pitches
- Includes vinyl storage bag

TF1124B² Thread Restorer File (Blue-Point®)

- 11, 12, 13, 14, 16, 18, 20 and 24 threads per inch

TF1127B² Thread Restorer File (Blue-Point®)

- 9, 10, 12, 16, 20, 27, 28 and 32 threads per inch

TFM7530B² Thread Restorer File (Blue-Point®)

- For any diameter right- or left-hand threads
- Removable vinyl handle
- Eight pitches: .75, 1, 1.25, 1.5, 1.75, 2, 2.5 and 3 mm



TR30SAE

Thread Chaser Sets

- Use to return damaged internal and external threads to almost original condition with quick change die
- All components made from a durable, high-grade alloy
- Chrome-plated tools and hardened, manganese phosphate dies
- Features a limited lifetime warranty

TR40MSET² Internal/External Combination Metric/SAE Thread Chaser Kit (Blue-Point®)

- Metric internal and external thread chaser dies: 0.75, 1, 1.25, 1.5, 2.5, 3, 3.5, 4, 8RD and 10RD
- SAE internal and external thread chasers die sizes: 4, 5, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 16, 18, 20 and 24"

Metric Thread Chaser Sets (Blue-Point®)

TR30MET² Internal/External Metric Thread Chaser Kit (Blue-Point®)

- Metric internal and external thread chaser dies: 0.75, 1, 1.25, 1.5, 2.5, 3, 3.5 and 4 mm; 8RD and 10RD

TR30MET-1 Internal Thread Chaser Tool (Blue-Point®)

TR30MET-2 External Thread Chaser Tool (Blue-Point®)

TR30MET-3 V-Pad (Blue-Point®)

TR30MET-4 Internal Metric .75 mm/1 mm Die (Blue-Point®)

TR30MET-5 Internal Metric 1.25 mm/1.5 mm Die (Blue-Point®)

TR30MET-6 Internal Metric 1.75 mm/2 mm Die (Blue-Point®)

TR30MET-7 Internal Metric 2.5 mm/3 mm Die (Blue-Point®)

TR30MET-8 Internal Metric 3.5 mm/4 mm Die (Blue-Point®)

TR30MET-9 Internal Metric 8R/10R Die (Blue-Point®)

TR30MET-11 External Metric 1.75 mm/2 mm/2.5 mm/3 mm Die (Blue-Point®)

TR30MET-10 External Metric .75 mm/1 mm/1.25 mm/1.5 mm Die (Blue-Point®)

TR30MET-12 External Metric 3.5 mm/4 mm/8R/10R Die (Blue-Point®)

US Thread Chaser Sets (Blue-Point®)

TR30SAE² Internal/External SAE Thread Chaser Kit (Blue-Point®)

- SAE internal and external thread chasers die sizes: 4, 5, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 16, 18, 20 and 24"

TR30SAE-1 Internal Thread Chaser Tool (Blue-Point®)

TR30SAE-2 External Thread Chaser Tool (Blue-Point®)

TR30SAE-3 V-Pad (Blue-Point®)

TR30SAE-4 Internal SAE 4"/5" Die (Blue-Point®)

TR30SAE-9 Internal SAE 13"/14" Die (Blue-Point®)

TR30SAE-8 Internal SAE 11-1/2"/12" Die (Blue-Point®)

TR30SAE-7 Internal SAE 10"/11" Die (Blue-Point®)

TR30SAE-6 Internal SAE 8"/9" Die (Blue-Point®)

TR30SAE-5 Internal SAE 6"/7" Die (Blue-Point®)

TR30SAE-10 Internal SAE 16"/18" Die (Blue-Point®)

TR30SAE-11 Internal SAE 20"/24" Die (Blue-Point®)

TR30SAE-12 External SAE 4"/5"/6"/7" Die (Blue-Point®)

TR30SAE-13 External SAE 8"/9"/10"/11" Die (Blue-Point®)

TR30SAE-14 External SAE 11-1/2"/12"/13"/14" Die (Blue-Point®)

TR30SAE-15 External SAE 16"/18"/20"/24" Die (Blue-Point®)

THREAD RESTORING: SPECIAL PURPOSE



RNDSL7

Diesel Exhaust Bung Rethreading Kit

RNDSL7[†] 7 pc Diesel Exhaust Bung Rethreading Kit

- Unique design and geometry allows access to difficult to reach bungs
- Designed to reach the bottom thread even with inverted flare fittings
- Will cleanup most EGT sensor bungs allowing a new sensor to be installed without the need for exhaust component replacement
- Inverted cone design allows the tap to fully engage all threads unlike flat bottom rethreading taps
- Six different sizes and included drive adaptor will accommodate repair of most EGT sensors on cars, light, medium and heavy-duty trucks
- Square-to-hex adaptor allows use of 14 mm or 9/16" socket or wrench

RNDPKG1[†] Pouch

RNDADP1[†] Hex to Square Adaptor

RND1210[†] M12 x 1.0 Rethreader

RND1215[†] M12 x 1.5 Rethreader

RND12125[†] M12 x 1.25 Rethreader

RND1415[†] M14 x 1.5 Rethreader

RND14125[†] M14 x 1.25 Rethreader

RND1615[†] M16 x 1.5 Rethreader



RD20

Master Spindle Rethreading Set

Set Contains:

Stock No.	Rethreading Die Size	
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 UNS	•
RD7-13 [†]	1 1/16"-24 NF	•
RD7-14 [†]	M25 x 1.5	•
RD7-15 [†]	M27-2	•
RD7-16 [†]	27/32"-20 NF	•
RD7-17 [†]	M16-1	•
RD7-18 [†]	M16-1.5	•
RD7-19 [†]	M16-1.5	•
RD7-20 [†]	M19-1.5	•
RD7-21 [†]	M20-1	•

Includes storage case

RD20 20 pc 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
- 6-point hex used with socket or wrench
- Application chart included



RD8

Spindle Rethreading Set

RD8[†] 8 pc Spindle Rethreading Set

- For most imported or US front wheel drive vehicles

Set Contains:

Stock No.	Rethreading Die Size	
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	•

Includes storage case



RD8LT

Light Truck Spindle Rethreading Set

RD8LT[†] 8 pc Light Truck Spindle Rethreading Set (Blue-Point[®])

- 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

Set Contains:

Stock No.	Rethreading Die Size	Thread Size	
RD7-23 [†]	2"-16	2"-16	•
RD7-25 [†]	1-5/8"-16	1-5/8"-16	•
RD7-27 [†]	Left Hand, 2"-16	Left Hand, 2"-16	•
RD7-28 [†]	2-1/8"-16	2-1/8"-16	•
RD7-29 [†]	2-1/4"-16	2-1/4"-16	•

Includes storage case



- Rethreading taps and dies renew existing threads; do not use for cutting new threads or on hardened steel.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P6 for details.
- Read Safety Precautions on pages W1-W6

THREADING: TAP AND DIE SOCKET SETS



Tap and Die Accessories

TD10B 1" Double Hex Self-Centering Die Stock

TDM100A Metric Thread Pitch Gauge

- Measures Metric threads (3.0–.35 mm)

TD1040A SAE Thread Pitch Gauge

- Measures US or sharp V threads
- Includes 18 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



1/4–3/8" Drive Tap Sockets

Stock No.	Square Drive, inches	Fits SAE Size Taps	Fits Metric Size Taps	Shank Dia., inches	Square Size, inches	Set Contains:
TDL8-1	1/4	#1, #2, #3, #4, #5, #6	M1.6, M1.8, M2, M2.2, M2.5, M3, 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	1/8"	M6, M6.3	.255	.191	•
TDL8-5	3/8	5/16", 7/16"	M7, M8	.323	.242	•
TDL8-6	3/8	3/8"	M10	.391	.296	•
TDL8-7	3/8	1/2"	M12, M12.5	.567	.275	•
TDL8-8	3/8	1/8" NPT	—	.437	.328	•

Set includes vinyl socket holder

TDL8 8 pc Tap Socket Set (Blue-Point®)

- Rubber o-rings hold taps securely in place
- For use with ratchets and handles
- Black industrial finish



1/2" Drive Tap Sockets

- Use in restricted areas where a T-handle won't easily fit
- Manufactured to M.C.T.I. Standards
- Black oxide coating for corrosion resistance

Stock No.	Square Drive, inches	Fits SAE Size Taps	Fits Metric Size Taps	Length, inches	Shank Dia., inches	Square Size, inches	Set Contains:
TDL31	1/2	5/8	16 mm	2-1/2	.480	.360	• •
TDL32	1/2	11/16	18 mm	2-1/2	.542	.406	• •
TDL33	1/2	3/4	—	2-1/2	.590	.442	• •
TDL5-1 [†]	1/2"	7/8"	22 mm	2.90	0.697	0.523	•
TDL5-2 [†]	1/2"	1"	25 mm	2.90	0.8	0.6	•

Includes vinyl socket holder

TDL3 3 pc 1/2" Drive Tap Socket Set (Blue-Point®)

- Includes (3) tap sockets

TDL5[†] 5 pc 1/2" Drive Tap Socket Set (Blue-Point®)

- Expanded range covers large taps from 5/8–1" (M16–M25)
- Rubber o-rings hold taps securely in place
- For use with ratchets and handles

PLUG TAPS AND DIES



3/8" Drive Die Socket

- For use with double hex-style dies
- Deep clearance for use on longer studs
- Retention ring in the socket prevents the die from falling out during positioning
- 3/8" square drive allows use in hard-to-reach places where a T-handle will not work

Stock No.	Square Drive, inches	Description	Overall Length, inches	Diameter, inches
DDS1	3/8	3/8" Drive 1" Double Hex Die Driver Socket	2-3/4	1-13/32
DDS20	3/8	3/8" Drive 5/8" Double Hex Die Driver Socket	2-3/8	15/16

EXTRACTORS: EXTRACTOR SETS

EXDMS48A 48 pc Master Extractor Set

- Quickly and easily extract 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"), (6) 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
- Includes storage case



EXDMS48A

Type	Stock No.	Set Contains:						
		EXD35A	EXDMS48A	EXD10A	EXDL10A	E1025	E1020	BEXD10A
Right-Hand Drill Bits	CSE405B [†]							*
	DBCF55/64A			*				
	DBCF57/64A				*			
	DBCF55/32A				*			
	DBCF51/4A				*			
	DBCF519/64A				*			
	DBF1/8C [†]					*	*	
	DBF3/16C [†]					*	*	
	DBF1/4C [†]					*	*	
	DBF5/16C [†]					*	*	
	DBF11/32C [†]					*	*	
	DBF7/16C [†]					*		
	DBF1/2C [†]					*		
	Left-Hand Drill Bits	DBCL5/64C	*	*		*		
DBCL7/64C		*	*		*			
DBCL1/8C		*	*					
DBCL5/32C		*	*		*			
DBCL3/16C [†]		*	*					
DBCL7/32C		*	*					
DBCL1/4C		*	*		*			
DBCL9/32C [†]		*	*					
DBCL19/64C		*	*		*			
DBCL5/16C [†]		*	*					
DBCL11/32C [†]		*	*					
DBCL3/8C [†]		*	*					
DBCL13/32C [†]		*	*					
DBCL7/16C [†]		*	*					
DBCL15/32C [†]	*	*						
DBCL1/2C [†]	*	*						
Solid-Type Drill Guides	E921				*	*		
	E1021				*	*		
	E1121				*	*		
	E1221				*	*		
	E1321				*	*		
	E1421				*	*		
	E1521				*	*		
	E1621				*	*		
	E1721				*	*		
	E1821				*	*		
Straight Screw, Hex Nut Type	E1				*	*		
	E2				*	*		
	E3				*	*		
	E4				*	*		
	E5				*	*		
	E6				*	*		
	E7				*	*		
	E8				*	*		

Type	Stock No.	Set Contains:						
		EXD35A	EXDMS48A	EXD10A	EXDL10A	E1025	E1020	BEXD10A
Pipe Plug Extractors	E80						*	
	E81						*	
	E82						*	
	E83						*	
	E84						*	
	E85						*	
Spiral Flute Screw Extractors	EX1A	*	*	*	*			
	EX2A	*	*	*	*			
	EX3A	*	*	*	*			
	EX4A	*	*	*	*			
	EX5A	*	*	*	*			
	EX6A	*	*					
Multispline Screw Extractors	REX104C	*	*					
	REX105C	*	*					
	REX106C	*	*					
	REX107C	*	*					
	REX108C	*	*					
	REX109C	*	*					
	REX110C	*	*					
	REX112C	*	*					
	REX113C	*	*					
	REX114C	*	*					
	REX115C	*	*					
	REX116C	*	*					
Hex Head Fastener Extractors	BEX081A		*					
	BEX101A		*					
	BEX121A		*					
	BEX141A		*					
	BEX161A		*					
	BEX181A		*					
	BEX201A		*					
	BEX221A		*					
	BEX241A		*					
	BEXD081A							*
	BEXD101A							*
	BEXD121A							*
	BEXD141A							*
	BEXD161A							*
	BEXD181A							*
	BEXD201A							*
	BEXD241A							*
BEXM101A		*						
BEXM121A		*						
BEXM131A		*						
BEXM171A		*						



- Do not use domestic or industrial finish hand tools with power drivers or impact drivers.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

EXTRACTORS: EXTRACTOR TOOLS



EXDL10A



E1025



E1020

Combination Extractor Sets

EXDL10A 10 pc Right Hand Cobalt Screw Extractor and Drill Bit Set

- Includes (5) right-hand, mechanic's-length cobalt drill bits (19/64, 1/4, 5/32, 5/64 and 7/64") and (5) spiral flute screw extractors (EX1A, EX2A, EX3A, EX4A, EX5A) in a metal index
- Made from special alloy steel for strength and long-lasting performance
- Features mechanics length, right-hand cobalt steel drill bits with 135° split points
- Shorter length maximizes rigidity and lessens chance of breakage
- Spiral tapered flute extractors provide superior broken fastener grip
- Popular size range from 5/64–19/64" (removes fasteners from 3/32–5/8")

EXDL10A 10 pc Left Hand Cobalt Screw Extractor and Drill Bit Set

- Includes (5) left-hand, mechanic's-length cobalt drill bits (19/64, 1/4, 5/32, 5/64 and 7/64") and (5) spiral flute screw extractors (EX1A, EX2A, EX3A, EX4A, EX5A) in a metal index
- Features mechanics length, left-hand cobalt steel drill bits with 135° split points

E1020 19 pc Extractor Set (Blue-Point®)

- Extract broken screws from 1/4–1/2" D
- Includes (5) right-hand drill bits (1/8, 3/16, 1/4, 5/16 and 11/32"), (9) solid-type drill guides (9/32–9/16" D) and (5) straight screw extractors, plus hex collars (#1–5) in a storage case

E1025 39 pc Extractor Set (Blue-Point®)

- Extract broken screws from 1/4–1" dia. and standard pipe sizes 1/8–1"
- Includes (8) right-hand drill bits, (10) solid-type drill guides, (1) sleeve spacer, (2) sleeve-type drill guides, (4) sleeve bushings, (8) straight screw extractors and (6) pipe plug extractors
- Includes a storage case



REX25C

Multispline Extractors

- Shoulder prevents the extractor from entering too deeply and expanding the screw

Stock No.	Drill Size, inches	Bolt Size, inches	Pipe Size, inches	Hex Size, inches	Mark	Set Contains:	
						REX25C	REX15C
REX104C	1/8	1/4	—	3/8	A	•	•
REX105C	5/32	5/16	—	3/8	B	•	•
REX106C	3/16	3/8	—	3/8	C	•	•
REX107C	7/32	7/16	—	3/8	D	•	•
REX108C	1/4	1/2	1/8	3/8	E	•	•
REX109C	9/32	9/16	—	1/2	F	•	•
REX110C	5/16	5/8	—	1/2	G	•	•
REX111C	11/32	11/16	1/4	1/2	H	•	•
REX112C	3/8	3/4	—	1/2	I	•	•
REX113C	13/32	13/16	—	1/2	J	•	•
REX114C	7/16	7/8	—	5/8	K	•	•
REX115C	15/32	15/16	3/8	5/8	L	•	•
REX116C	1/2	1	—	5/8	M	•	•
REX117C	17/32	1-1/16	—	3/4	N	•	•
REX118C	9/16	1-1/8	—	3/4	O	•	•
REX119C	19/32	1-3/16	—	3/4	P	•	•
REX120C	5/8	1-1/4	1/2	3/4	Q	•	•
REX121C	21/32	1-5/16	—	7/8	R	•	•
REX122C	11/16	1-3/8	—	7/8	S	•	•
REX123C	23/32	1-7/16	—	7/8	T	•	•
REX124C	3/4	1-1/2	—	7/8	U	•	•
REX125C	25/32	1-9/16	3/4	1	V	•	•
REX126C	13/16	1-5/8	—	1	W	•	•
REX127C	27/32	1-11/16	—	1	X	•	•
REX128C	7/8	1-3/4	—	1	Y	•	•

REX25C 25 pc Multispline Screw Extractor Set

- Made from special alloy steel for strength and long-lasting thread life
- Left-hand threads provide superior gripping power for removing damaged bolts, studs and screws

- Compact design for use in tight applications
- Designed for use with wrenches, ratchets and pliers
- Markings are stamped for easy identification
- Includes convenient storage tray
- Made in USA

EXTRACTORS: EXTRACTOR TOOLS



Hex Head Fastener Extractors

- Used on most popular hex head fasteners from 1/4–1" (8–24 mm)
- Sockets feature left-hand spiral flutes for maximum gripping power
- Manufactured from alloy steel for strength and lasting performance
- 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)	A	B	C	Set Contains:
BEX081A	3/8	1/4 (6)	5/8 (15.9)	3/8 (9.5)	1-1/16 (27)	•
BEX101A	3/8	5/16 (8)	5/8 (15.9)	7/16 (11.1)	1-1/16 (27)	•
BEX121A	3/8	3/8 (10)	5/8 (15.9)	9/16 (14.3)	1-1/16 (27)	•
BEX141A	3/8	7/16 (11)	3/4 (19.1)	5/8 (15.9)	1-1/16 (27)	•
BEX161A	3/8	1/2 (12)	3/4 (19.1)	23/32 (17.9)	1-1/16 (27)	•
BEX181A	3/8	9/16 (14)	7/8 (22.2)	25/32 (19.4)	1-1/16 (27)	•
BEX201A	3/8	5/8 (16)	7/8 (22.2)	7/8 (21.8)	1-1/16 (27)	•
BEX221A	3/8	11/16 (17)	1 (25.4)	15/16 (24.2)	1-1/16 (27)	•
BEX241A	3/8	3/4 (19)	1-1/16 (27)	1-1/32 (26.2)	1-1/16 (27)	•
BEXM101A	3/8	N/A (10)	3/4 (19.1)	5/8 (15.5)	1-1/16 (27)	•
BEXM121A	3/8	N/A (12)	3/4 (19.1)	23/32 (17.5)	1-1/16 (27)	•
BEXM131A	3/8	N/A (13)	3/4 (19.1)	23/32 (18.5)	1-1/16 (27)	•
BEXM171A	3/8	N/A (17)	1 (25.4)	29/32 (23.0)	1-1/16 (27)	•
BEXW241A	1/2	3/4 (19)	1-1/4 (31.8)	1-1/8 (28.6)	1-3/4 (45)	•
BEXW261A	1/2	13/16 (21)	1-3/8 (34.9)	1-3/16 (30.2)	1-3/4 (45)	•
BEXW281A	1/2	7/8 (22)	1-7/16 (36.5)	1-1/4 (31.8)	1-3/4 (45)	•
BEXW301A	1/2	15/16 (24)	1-7/16 (36.5)	1-5/16 (33.3)	1-3/4 (45)	•
BEXW321A	1/2	1 (25)	1-7/16 (36.5)	1-3/8 (34.9)	1-3/4 (45)	•

Includes storage tray

BEXD 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

Stock No.	Square Drive, inches	Size, inches (mm)	Length, inches	Set Contains:
BEXD081A	3/8	1/4 (6)	2-7/16	•
BEXD101A	3/8	5/16 (8)	2-7/16	•
BEXD121A	3/8	3/8 (10)	2-7/16	•
BEXD141A	3/8	7/16 (11)	2-7/16	•
BEXD161A	3/8	1/2 (12)	2-7/16	•
BEXD181A	3/8	9/16 (14)	2-7/16	•
BEXD201A	3/8	5/8 (16)	2-7/16	•
BEXD241A	3/8	3/4 (19)	2-7/16	•
BEXDM101A	3/8	N/A (10)	2-7/16	•
BEXDM131A	3/8	N/A (13)	2-7/16	•

Includes storage tray



- Do not use abrasive or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1–W4

EXTRACTORS: EXTRACTOR TOOLS



E921

Solid-Type Drill Guides

- Used for centering drills at a depth not exceeding 1"

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	7/16	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



SR40K

Tapered Bit Extractors

- Tapered ends have left hand threads to bite deep into drilled studs
- Square shafts for use with wrench

Set Contains: SR40K

Stock No.	Description	
SR4A	1/8" Tapered Bit Extractor	•
SR10A	9/64" Tapered Bit Extractor	•
SR14	7/32" Tapered Bit Extractor	•
SR20	5/16" Tapered Bit Extractor	•

Includes kit bag

EXTRACTORS: STUD REMOVERS



CSE405B



E80

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 ²	5/8	3	6
DBF1/8C ¹	1/8	1-3/8	3
DBF3/16C ¹	3/16	2	3-1/2
DBF1/4C ¹	1/4	2-1/2	4
DBF5/16C ¹	5/16	2-5/8	4-1/2
DBF11/32C ¹	11/32	2-3/4	4-1/2
DBF7/16C ¹	7/16	1-7/8	4-1/4
DBF1/2C ¹	1/2	2-1/4	4-3/4

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

EXTRACTORS: STUD REMOVERS



EX1A



E1



E6

Spiral Flute Screw Extractors

- Designed to remove broken studs, bolts, socket screws and fittings
- Aggressive left-hand spiral design for extra gripping power

Stock No.	Use Drill Size, inches	Removes Bolts and Screws
EX1A	5/64	3/32–5/32", 2.5–4 mm, #3–#6
EX2A	7/64	5/32–7/32", 4–6 mm, #6–#12
EX3A	5/32	7/32–9/32", 6–8 mm, #12
EX4A	1/4	3/32–3/8", 1/8" NPT, 1/8" BSP, 3–10 mm
EX5A	19/64	3/8–5/8", 1/4" NPT, 1/4" BSP, 10–16 mm
EX6A	13/32	5/8–7/8", 3/8" NPT, 3/8" BSP, 16–22 mm

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

Extractor Set

YA769 Extractor Set (Blue-Point®)

- Extract broken screws from 1/4–1/2" dia
- Drill/extract with one tool
- Left-hand drill bit
- For use in 3/8" drive reversible drill

Stock No.	Drilling Speed, RPM	Extractor Size, SAE	Extractor Size, Metric	RPM	
YA769-1	700–800	1/4	M6	350	•
YA769-2	650–750	5/16	M8	470	•
YA769-3	600–700	3/8	M10	360	•
YA769-4	475–575	1/2	M12	360	•

Set includes storage case.

Set Contains:

YA769



YA769

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 reverse direction, allowing user to easily remove damaged screws
- For use with a variable-speed reversing drill or 1/4" hex bit screwdriver

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

Stock No.	Extractor Size, Bolt Size	
YA2019-1	#6, #8	•
YA2019-2	#8, #10	•
YA2019-3	#10, #12	•

Set includes storage case.

Set Contains:

YA2019



YA2019



• These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.
• Read Safety Precautions on pages W1–W4

EXTRACTORS: STUD REMOVERS



YA789

YA789 Power Extractor Set (Blue-Point®)

- Easy to use—place the extractor end of the tool into the drill chuck, set for reverse and the hole can be drilled
- Insert the drill side into the chuck, exposing the extractor end and finish the job to remove the broken screw

Extractor Set

Stock No.	Extractor Size, Bolt Size	Extractor Size, SAE	Extractor Size, Metric	Set Contains:
YA789-1	—	#5, #6	M3	•
YA789-2	—	#8	M4	•
YA789-3	#10, #12	—	M5	•
YA789-4	—	1/4"	M6	•

Set includes storage case



A36A



A50A



LA54



LA55A

Cam- and Wedge-Type Stud Removers

A36A Stud Remover

- 1/2–3/4" capacity
- Knurled wheel grips the stud
- Driving shank extends through both sides of the housing for bearing surface on each side of the wheel
- Uses a 1/2" drive handle

A50A Stud Remover

- 7/16–1/2" capacity
- V-shaped rack grips the stud
- Grip releases when pressure is relieved
- Uses a 1/2" drive handle

A50-4B Optional Rack

- 5/16–3/8" capacity

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

LA54 Stud Remover

- 1/4–5/8" capacity
- Smaller version of LA55A
- Requires a 1/2" drive handle
- Includes two wedge sizes: LA54-2A and LA54-3A

LA54-2A Wedge

LA54-3A Wedge

LA55A Stud Remover

- 9/16–1" capacity
- Grip is released by turning the tool in reverse direction
- Works on wedge principle
- Use with a 3/4" drive handle
- Includes two wedge sizes: LA55A2 and LA55A3

LA55A2 Wedge

LA55A3 Wedge

EXTRACTORS: STUD REMOVERS

Stud Removers

- Tapered collets thread onto the stud, even if only a few threads are exposed
- Tightening the housing bolt draws the collet into the housing and clamps the collet onto the stud
- Tools reduce the chance of damage to stud threads
- Avoid bottoming or shouldering the studs, shearing or damaging the stud or workpiece

Stud Remover Set Components

Stock No.	Description	Set Contains:	
		CJ515B	CJM515B
CJ500-1	CJ500 Dowel Collet Housing	•	•
CJ500-3	1/4"-20 Taper Collet	•	
CJ500-4	1/4"-28 Taper Collet	•	
CJ500-5	5/16"-18 Taper Collet	•	
CJ500-6	5/16"-24 Taper Collet	•	
CJ500-7	3/8"-16 Taper Collet	•	
CJ500-8	3/8"-24 Taper Collet	•	
CJ500-9	7/16"-14 Taper Collet	•	
CJ500-10	7/16"-20 Taper Collet	•	
CJ500-11	1/2"-13 Taper Collet	•	
CJ500-12	1/2"-20 Taper Collet	•	
CJ500-13	9/16"-12 Taper Collet	•	
CJ500-14	9/16"-18 Taper Collet	•	
CJ500-15	5/8"-11 Taper Collet	•	
CJ500-16	5/8"-18 Taper Collet	•	
CJ500-17	Number 10-24 Taper Collet		
CJ500-18	Number 10-32 Taper Collet		
CJ500-30	M6-1.00 Taper Collet		•
CJ500-33	M7-1.00 Taper Collet		•
CJ500-36	M8-1.00 Taper Collet		•
CJ500-37	M8-1.25 Taper Collet		•
CJ500-39	M9-1.00 Taper Collet		•
CJ500-40	M9-1.25 Taper Collet		•
CJ500-42	M10-1.25 Taper Collet		•
CJ500-43	M10-1.50 Taper Collet		•
CJ500-48	M12-1.25 Taper Collet		•
CJ500-49	M12-1.50 Taper Collet		•
CJ500-54	M14-1.50 Taper Collet		•
CJ500-55	M14-2.00 Taper Collet		•
CJ500-60	M16-1.50 Taper Collet		•
CJ500-61	M16-2.00 Taper Collet		•
CJ500H1	3/8" Hex Collet		
CJ500H2	7/16" Hex Collet		
CJ500H4	9/16" Hex Collet		



CJ515B



CJM515B



CJ500-1



- Wear safety goggles (user and bystander).
- For hand use only.
- Read Safety Precautions on pages W1-W4.

EXTRACTORS: STUD REMOVERS



MSK16

Stud Removers

Set Contains:

MSK16

Stock No.	Description	
MSK-0820N	Install Tool 1/4" x 20 TPI (Blue-Point®)	•
MSK-0820R	Remove Tool 1/4" x 20 TPI (Blue-Point®)	•
MSK-0828N	Install Tool 1/4" x 28 TPI (Blue-Point®)	•
MSK-0828R	Remove Tool 1/4" x 28 TPI (Blue-Point®)	•
MSK-1613N	Install Tool 1/2" x 13 TPI (Blue-Point®)	•
MSK-1613R	Remove Tool 1/2" x 13 TPI (Blue-Point®)	•
MSK-1620N	Install Tool 1/2" x 20 TPI (Blue-Point®)	•
MSK-1620R	Remove Tool 1/2" x 20 TPI (Blue-Point®)	•
MSK-1812N	Install Tool 9/16" x 12 TPI (Blue-Point®)	•
MSK-1812R	Remove Tool 9/16" x 12 TPI (Blue-Point®)	•
MSK-1818N	Install Tool 9/16" x 18 TPI (Blue-Point®)	•
MSK-1818R	Remove Tool 9/16" x 18 TPI (Blue-Point®)	•
MSK-2011N	Install Tool 5/8" x 11 TPI (Blue-Point®)	•
MSK-2011R	Remove Tool 5/8" x 11 TPI (Blue-Point®)	•
MSK-2018N	Install Tool 5/8" x 18 TPI (Blue-Point®)	•
MSK-2018R	Remove Tool 5/8" x 18 TPI (Blue-Point®)	•



MSKM10

Stud Removers

Set Contains:

MSKM10

Stock No.	Description	
MSK-M12125N	M12 x 1.25 Install Tool	•
MSK-M12125R	M12 x 1.25 Remove Tool	•
MSK-M14125N	M14 x 1.25 Install Tool	•
MSK-M14125R	M14 x 1.25 Remove Tool	•
MSK-M1415N	M14 x 1.5 Install Tool	•
MSK-M1415R	M14 x 1.5 Remove Tool	•
MSK-M1620N	M16 x 2.0 Install Tool	•
MSK-M1620R	M16 x 2.0 Remove Tool	•
MSK-M8125N	Stud Installer	•
MSK-M8125R	Stud Remover	•



MSK10

Stud Removers

Set Contains:

MSK10

Stock No.	Description	
MSK-1018N	Stud Installer	•
MSK-1018R	Stud Remover	•
MSK-1024N	Stud Installer	•
MSK-1024R	Stud Remover	•
MSK-1216N	Stud Installer	•
MSK-1216R	Stud Remover	•
MSK-1224N	Stud Installer	•
MSK-1224R	Stud Remover	•
MSK-1414N	Stud Installer	•
MSK-1414R	Stud Remover	•



MSKM10

Stud Removers

Set Contains:

MSKM10

Stock No.	Description	
MSK-M610N	Stud Installer	•
MSK-M610R	Stud Remover	•
MSK-M1825N	M18 x 2.5 Install Tool	•
MSK-M1825R	M18 x 2.5 Remove Tool	•
MSK-M10125N	Stud Installer	•
MSK-M10125R	Stud Remover	•
MSK-M1015N	Stud Installer	•
MSK-M1015R	Stud Remover	•
MSK-M1215N	Stud Installer	•
MSK-M1215R	Stud Remover	•

EXTRACTORS: DOWEL PIN PULLERS

Dowel Pin Puller Sets Components

Stock No.	Description	Set Contains:	
		CJ500	CJM503
CJ500-2	CJ500 Stud Collet Housing Assembly	•	•
CJ500-72	5/8" Dowel Pin Collet	•	
CJ500-73	5/16" Dowel Pin Collet	•	
CJ500-74	3/8" Dowel Pin Collet	•	
CJ500-75	7/16" Dowel Pin Collet	•	
CJ500-76	1/2" Dowel Pin Collet	•	
CJ500-77	3/16" Dowel Pin Collet	•	
CJ500-78	5/8" Dowel Pin Collet	•	
CJ500-79	M6 Dowel Pin Collet		•
CJ500-80	M8 Dowel Pin Collet		•
CJ500-81	M10 Dowel Pin Collet		•
CJ500-82	M12 Dowel Pin Collet		•
CJ500-83	M14 Dowel Pin Collet		•
CJ500-84	M16 Dowel Pin Collet		•



CJ500-2

Dowel Pin Puller Sets

- Collet geometry engineered to grip pins or studs nearly flush with the work surface
- Forwards/backwards compatible with corresponding CG series collets and housings
- Bright and clean nickel-chrome finish creates a corrosion resistant surface that withstands chemicals and solvents for prolonged tool life
- Manufactured from special alloy steel and treated for optimum strength and durability
- Closed cell cross-linked foam for superior performance and durability resists oils, solvents and fuels—easy to clean

CJM503 7 pc Metric Dowel Pin Puller Set

- Includes (6) metric collets 6–16 mm and (1) dowel pin collet housing in a foam organizer

CJ503 8 pc SAE Dowel Pin Puller Set

- Includes (7) SAE collets 1/4–5/8" and (1) dowel pin collet housing in a foam organizer



CJM503



CJ503



CJ500P1



CJ500H3



CJ500-20



CJ500-24

Pipe Nipple and Hex Bolt Collets

Stock No.	Description
CJ500P1	1/8" NPT Collet
CJ500P2	1/4" NPT Collet
CJ500P3	3/8" NPT Collet
CJ500H1	3/8" Hex
CJ500H2	7/16" Hex
CJ500H3	1/2" Hex Collet
CJ500H4	5/16" Hex

Serrated Collets

- Serrated gripping portions are used to remove unthreaded studs that cannot be removed with standard collets due to the lack of gripping surface
- Avoid bottoming or shouldering the studs to eliminate shearing or damaging the stud or workpiece

Stock No.	Description
CJ500-20	1/4" Serrated Collet
CJ500-21	5/16" Serrated Collet
CJ500-22	3/8" Serrated Collet
CJ500-23	7/16" Serrated Collet
CJ500-24	1/2" Serrated Collet

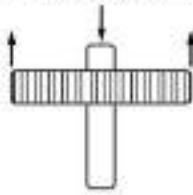


- Wear safety goggles (user and bystanders).
- For hand use only.
- Read Safety Precautions on page W1-W6

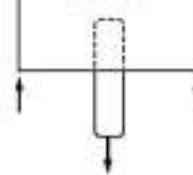
PULLERS

What type of puller do I want to use? What combination will work best?

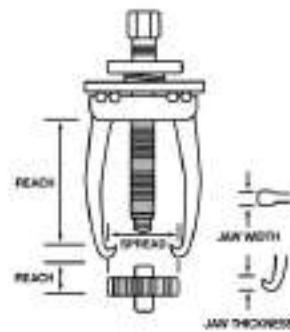
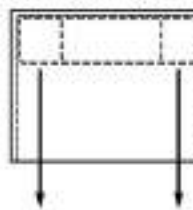
Removing a Gear, Bearing, Pulley, or Other Component from a Shaft



Pulling a Shaft Out of a Housing or Bore



Removing a Bearing or Bushing from a Blind Hole



Tools to Use

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 the components.

Slide Hammer Puller: Used on light-duty applications. For use with attachments.

Bar-Type Puller with Bearing Separator: Bar type with side rods threaded into the bearing separator provides a "knife edge" to get behind the component or when there is not a good gripping edge.

Tools to Use

Push-Pull Puller: Use male or female adaptors.

Bar-Type Puller with Bearing Separator: Used when the housing lacks sufficient surface for puller side rods to bear against.

Slide Hammer Puller: Used 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

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 a CJ97-3A slide hammer should be used in this application.

Bar-Type Puller with Bearing Separator: Bar type with side rods threaded into the bearing separator provides a "knife edge" to get behind the 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 Rules for Choosing 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 that 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 the 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: GENERAL PURPOSE INTERCHANGEABLE

Light-Duty Pullers

Builds pullers

Up to 2-1/2 tons of pulling power 3" diameter capacity for outside pulls

- Easy to use: spring loaded locking mechanism allows the puller jaws to easily lock onto with work surface for both "Inside" and "Outside" pulling applications, reducing the puller slipping off the application—two-handed operation without the use of tools
- Interchangeability: reversible jaw design, two position yokes that accommodate multiple jaw lengths, and spring loaded mechanism allows quick changeover without the disassembly of the puller and without the need of nuts and bolts resulting in faster set-ups and fewer man-hours
- Strength and Durability: one-piece jaw construction that does not use pins or bolts, provides a stronger, safer jaw
- Power pressure screws have rolled threads and are heat-treated for strength and durability
- Forged jaws and yokes are heat-treated for max strength and durability

CJ240 13 pc Light Duty General Purpose Puller Set

- Set includes:
 - (1) CJ243-3 3-Jaw Yoke; (1) CJ240-2 2-Jaw Yoke;
 - (3) CJ240-3 2-1/2" Jaws; (3) CJ240-10 3-1/2" Jaws;
 - (1) CJ243-5 Lock Plate; (1) CJ240-11 Pressure Screw; (1) CJ240-6 Spring and (1) CJ240-7 Adjustable Lock Nut



CJ2400 27 pc Light Duty Manual Interchangeable Master Puller Set

- Set includes:
 - (1) CJ240-11 Pressure Screw; (1) CJ240-3 2-Jaw Yoke; (1) CJ243 3-Jaw Yoke; (3) CJ240-3 2-1/2" Jaws; (1) CJ243-5 Lock Plate; (1) CJ240-6 Spring; (1) CJ240-7 Adjustable Lock Nut;
 - (1) CJ93-1 Slide Screw; (1) CJ125-6 Slide Hammer; (1) CJ93-3-1A Jaw Holder; (2) A78-6D Jaw Pins; (2) A78-4 1-5/8" Jaws; (2) A78-3 2" Jaws; (1) CJ93-4 Double Hook; (1) CJ93-5 Hook;
 - (1) CJ93-6B Body Dent Puller Adaptor; (1) CJ93-7 Stud Puller Adaptor 5/16"-24; (1) CJ93-8 Stud Puller Adaptor 3/8"-24 and (1) CJ107-1A Tapered Screw



CJ240HMRFR Light Duty General Purpose 2 lb Slide Hammer Set

- 2 lb knurled slide hammer provides maximum transfer force on the part to be removed
- Slide screw threads are standard and interchangeable with many Snap-on® puller yokes
- Slide screw has rolled threads instead of cut threads for optimum strength and durability
- Slide screw is heat-treated for optimum strength and durability
- Industrial finish helps protect against corrosion (slide screw)



- Screen the puller application
- Inspect the puller; do not use damaged parts.
- Use the proper type and size of puller for the job.
- Read Safety Precautions on pages W1-W4

PULLERS: GENERAL PURPOSE INTERCHANGEABLE



CJ250



CJ250HMRFR

Medium-Duty Pullers

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. CJ652 and CJ250HYD Hydraulic Conversion Sets convert manual pullers to hydraulic power. The manual components of the indicated medium-duty pullers are included in the heavy-duty CJ2500 sets.

CJ250 13 pc Medium-Duty General Purpose Puller Set

- **Easy to use:** Spring loaded locking mechanism allows the puller jaws to easily lock onto work surface for both "inside" and "outside" pulling applications, preventing the puller from slipping off the application—two-handed operation without the use of tools
- **Interchangeability:** reversible jaw design, two-position yokes that accommodate multiple jaw lengths, spring loaded mechanism allows quick changeover without the disassembly of the puller and without the need of nuts and bolts resulting in faster set-ups and fewer man-hours
- **Strength and durability:** One-piece jaw construction that does not use pins or bolts, provides a stronger, safer jaw; power pressure screws are roll threaded and heat-treated for strength and durability; forged jaws and yokes are heat-treated for maximum strength and durability

CJ250HMRFR General Purpose 2-1/2 lb Slide Hammer Set

- 2-1/2 lb slide hammer provides maximum transfer force on the part to be removed
- Slide screw threads are standard and interchangeable with many Snap-on® puller yokes
- Slide screw has rolled threads instead of cut threads for optimum strength and durability
- Slide screw is heat-treated for optimum strength and durability
- Industrial finish helps protect against corrosion (slide screw)
- Ergonomic handle grip
- Male adaptor adds versatility to the pulling and pushing capabilities of general purpose and bar-type pullers

CJ652 6-Ton Hydraulic Pump and Ram Set

- Hydraulics allow for smooth controlled loading and unloading
- Provides an even application of force
- Does not require a screw to be turned, compensation for counter rotation not required (non-rotational)
- Hydraulic rams can be used in push or pull direction depending on orientation
- Reduced input effort resulting in easy operation for the user
- Interchangeable tips reduce damage on workpiece and are easily swapped out
- Second "grip" handle allows for use of pump while standing in addition to being able to be used on a table or tool box
- 6' hose allow technician to use hydraulic pullers on lift or in a remote location



CJ652

CJ250HYD 6-Ton Hydraulic Conversion Add-on

- Includes the 2-jaw and 3-jaw hydraulic yokes and hand wheel adaptor
- Add-on to the CJ652 to convert the CJ250 to Hydraulic
- Yokes have through hole for easy pass through of the hydraulic screw
- Chrome/nickel-alloy finish resists rust and corrosion



CJ250HYD

CJ250-A1310 A1310 Adaptor for CJ250

- Allows use of various drivers and adaptors with CJ250 jaw pullers, giving the technician the flexibility to interchange with tools they already own
- Adaptor assists in maintaining square alignment for ideal force application
- Allows technician to assemble their own specialized tool configuration to service difficult or uncommon jobs with ease
- Works with most Snap-on® 5/8"-18 pressure screws
- Works with A1310B and A1310SB bearing race and seal driver disks; A157, A257, A160M and A261M bushing driver disks and B1P1 cups utilizing the A1310SB-B1P1 adaptor



CJ250-A1310

PULLERS: GENERAL PURPOSE INTERCHANGEABLE

Heavy-Duty

Stock No.	Description	Maximum Spread, inches (mm) outside	Maximum Spread, inches (mm) inside	Jaw Configuration
CJ2500SB	43 pc Heavy-Duty Manual Interchangeable Master Puller Set (with Tool Control Board, Wall Cabinet)	1-1/2-13-7/8 (38-352)	1-1/2-11-1/2 (38-292)	2 and 3 Jaw
CJ2500S	43 pc Heavy-Duty Manual Interchangeable Master Puller Set (with Tool Control Board)	1-1/2-13-7/8 (38-352)	1-1/2-11-1/2 (38-292)	2 and 3 Jaw
CJ2500	Heavy-Duty Manual Interchangeable Master Puller Set	1-1/2-13-7/8 (38-352)	1-1/2-11-1/2 (38-292)	2 and 3 Jaw
CJ270	13 pc Heavy-Duty General Purpose Puller Set	10 (254)	2-1/2-7-1/2, 3-8 (63.5-190.5, 76-203)	2 and 3 Jaw



CJ270 13 pc Heavy-Duty General Purpose Puller Set

- **Easy to use:** Spring loaded locking mechanism allows the puller jaws to easily lock onto work surface for both "inside" and "outside" pulling applications, preventing the puller from slipping off the application—two-handed operation without the use of tools
- **Interchangeability:** reversible jaw design, two-position yokes that accommodate multiple jaw lengths, spring loaded mechanism allows quick changeover without the disassembly of the puller and without the need of nuts and bolts resulting in faster set-ups and fewer man-hours
- **Strength and durability:** one-piece jaw construction that does not use pins or bolts, provides a stronger, safer jaw; power pressure screws are roll threaded and heat-treated for strength and durability; forged jaws and yokes are heat-treated for maximum strength and durability

CJ270HMRFR Heavy-Duty General Purpose 3.8 lb Slide Hammer Set

- 3.8 lb slide hammer provides maximum transfer force on the part to be removed
- Slide screw threads are standard and interchangeable with many Snap-on® puller yokes
- Slide screw has rolled threads instead of cut threads for optimum strength and durability
- Slide screw is heat-treated for optimum strength and durability
- Industrial finish helps protect against corrosion (slide screw)
- Ergonomic handle grip

CJ1052 10-Ton Hydraulic Pump and Ram Set

- Hydraulics allow for smooth controlled loading and unloading
- Provides an even application of force
- Does not require a screw to be turned, compensation for counter rotation not required (non-rotational)
- Hydraulic rams can be used in push or pull direction depending on orientation
- Reduced input effort resulting in easy operation for the user
- Interchangeable tips reduce damage on workpiece and are easily swapped out
- Second "grip" handle allows for use of pump while standing in addition to being able to be used on a table or tool box
- 6' hose allow technician to use hydraulic pullers on lift or in a remote location



CJ270HYD 10-Ton Hydraulic Conversion Add-on

- Includes the 2-Jaw and 3-Jaw hydraulic yokes and hand wheel adaptor
- Add-on to the CJ1052 to convert the CJ270 to Hydraulic
- Yokes have through hole for easy pass through of the hydraulic screw
- Chrome/nickel-alloy finish resists rust and corrosion



CJ270-A1310 A1310 Adaptor for CJ270

- Allows use of various drivers and adaptors with CJ270 jaw pullers, giving the technician the flexibility to interchange with tools they already own
- Adaptor assists in maintaining square alignment for ideal force application
- Allows technician to assemble their own specialized tool configuration to service difficult or uncommon jobs with ease
- Works with most Snap-on® 3/4"-16 pressure screws, which can be found in the CJ series jaw pullers and bar pullers
- Works with A1310B and A1310SB bearing race and seal driver disks; A157, A257, A160M and A261M bushing driver disks and BJP cups by utilizing the A1310SB-BJP1 adaptor



CJ4-2GAKT 6- and 10-Ton Add-on Set

- Gauge makes it easy for user to know how much force they are applying to the work piece
- Use with CJ652 and CJ1052 Hydraulic Pump/Ram sets
- Calibrated in dual scale reading in psi and bar

- All pressure sensing parts sealed and dampened by glycerin for long life
- Includes safety blow-out disk and pressure equalizing membrane
- 45° angled gauge adaptor improves visibility of the gauge
- Slim and narrow design of the gauge adaptor
- Easy to fit in a broad range of systems
- Maximize controlled load movement



- Screen the puller application.
- Inspect the puller; do not use damaged parts.
- Use the proper type and size of puller for the job.
- Read Safety Precautions on pages W1-84.

PULLERS: GENERAL PURPOSE INTERCHANGEABLE



CJ2400



CJ2500



CJ2500S



CJ2500SB

Master Sets

- **Easy to use:** Spring loaded locking mechanism allows the puller jaws to easily lock onto work surface for both "inside" and "outside" pulling applications, preventing the puller from slipping off the application—two-handed operation without the use of tools
- **Interchangeability:** Reversible jaw design, two-position yokes that accommodate multiple jaw lengths, spring loaded mechanism allows quick changeover without the disassembly of the puller and without the need of nuts and bolts resulting in faster set-ups and fewer man-hours
- **Strength and Durability:** one-piece jaw construction that does not use pins or bolts provides a stronger, safer jaw; power pressure screws are roll threaded and heat-treated for strength and durability; forged jaws and yokes are heat-treated for maximum strength and durability

CJ2400 Light-Duty Manual Interchangeable Master Puller Set

- Set includes: (1) CJ240-11 Pressure Screw; (1) CJ240-3 2-Jaw Yoke; (1) CJ243 3-Jaw Yoke; (3) CJ240-3 2-1/2" Jaws; (1) CJ243-5 Lock Plate; (1) CJ240-6 Spring; (1) CJ240-7 Adjustable Lock Nut; (1) CJ93-1 Slide Screw; (1) CJ125-6 Slide Hammer; (1) CJ93-3-1A Jaw Holder; (2) A78-6D Jaw Pins; (2) A78-4 1-5/8" Jaws; (2) A78-3 2" Jaws; (1) CJ93-4 Double Hook; (1) CJ93-5 Hook; (1) CJ93-6B Body Dent Puller Adaptor; (1) CJ93-7 Stud Puller Adaptor 5/16"-24; (1) CJ93-8 Stud Puller Adaptor 3/8"-24 and (1) CJ107-1A Tapered Screw
- Interchangeability of components creates (36) puller configurations and works with other CJ pullers in the product line

CJ2500 Heavy-Duty Manual Interchangeable Master Puller Set

- Set includes: (1) CJ250-413 Pressure Screw and Point, (1) CJ250-5 Lock Plate, (1) CJ250-6 Spring, (1) CJ250-7 Adjusting Nut, (1) CJ250-9 2-1/2 lb Slide Hammer, (1) CJ253-2 3-Jaw Yoke, (3) CJ270-10 Long jaws, (1) CJ270-1117 Pressure Screw and Point, (3) CJ270-12 15" Jaws, (1) CJ270-1317 Screw Adaptor and Point, (1) CJ270-1417 Slide Screw with Center Point, (1) CJ270-2 2-Jaw Yoke, (3) CJ270-3 5-1/2" Jaws, (3) CJ270-3S Special Grip Jaw Pullers, (1) CJ270-6 Spring, (1) CJ270-7 Adjustable Lock Nut, (1) CJ273-2 3-Jaw Yoke, (1) CJ273-5 Lock Plate, (1) CJ97-3A 3-3/4 lb Slide Hammer, (1) ME4A8 3/4" Lock Nut and (1) ME4A4 5/8"-18 Nut

CJ2500S Heavy-Duty Manual Interchangeable Master Puller Set (with Tool Control Board)

- Includes CJ2500 set, mounted on a VE113C tool control board
- Board has part number markings to help reorder used and damaged parts
- Contrasting colors provide visual control which reduces time searching for missing tools
- Tool control board for this set is VE113C

CJ2500SB Heavy-Duty Manual Interchangeable Master Puller Set (with Tool Control Board, Wall Cabinet)

- Includes CJ2500 set, mounted on a VE113C tool control board in a cabinet
- Board has part number markings to help reorder used and damaged parts
- Contrasting colors provide visual control which reduces time searching for missing tools
- Tool control board for this set is VE113C
- Wall cabinet is KRA276D

PULLERS: BAR-TYPE INTERCHANGEABLE

Bar-Type Interchangeable Pullers

Interchangeable bar-type 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 mean 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-type pullers also feature:

- Replaceable pressure screw points help to keep the puller safely centered
- Multiposition yokes help keep the jaws properly aligned with the item being pulled
- Adjustable clamp bolts allow the jaws to be snugged up against the job for a safer, more convenient pull
- Spring ball pin retention securely holds the jaws while allowing for quick jaw changes



CJ83C

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 (2) 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 ton



CJ82B

CJ82B Pitman Arm Puller

- Handles many pitman arm applications and a wide variety of general pulling jobs
- Nominal capacity is 6 ton



CJ80A

CJ80A A/C Pulley Puller

- Excellent for the 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 ton



CJ85A

CJ85A Truck Differential Side Bearing Puller

- Similar in appearance to CJ81D but bigger for handling truck applications
- Four centering plates are included
- Nominal capacity is 7-1/2 ton



CJ81D

CJ81D Differential Side Bearing Puller

- Narrow jaws slip into housing grooves in the back of the bearing and let the jaws seat and pull along with the inner race
- Jaws are locked onto the bearing by a clamp bolt
- Four centering plates are included
- Nominal capacity is 6 ton

CJ Series Major Components (see chart on next page)

Specifications	CJ80A	CJ85A	CJ82B	CJ83C	CJ81D
Nominal Capacity, tons	7.5	7.5	6	3.5	6
Maximum Reach, inches	D3: 1-5/8, D5: 1-3/8	1-3/4	2-1/4	Variable	1-5/8
Maximum Spread, inches	5	5-1/2	3-3/8	5	3-3/8
Pressure Screw Size, inches	3/4-16 x 3-1/2	3/4-16 x 4-1/4	3/4-16 x 4-1/4	3/4-16 x 3-1/2	3/4-16 x 4-1/4
Optional Jaws	D1, D2, D4	D1, D2, D3, D5	D1, D2, D4, D6	—	D1, D2, D4, D5
Optional Points	C2	C2	C2	C2	C2
Optional Pressure Screws	B1, B2	B1, B3	B1, B3	B1, B2	B1, B3
A Yoke	A3	A3	A4	A4	A4
B Pressure Screw	B3	B2	B2	B3	B2
C Point	C1	C1	C1	C1	C1
D Jaws (2)	D3, D5	D4	D3	—	D3
E Clamp Bolt	E3	E3	E4	—	E4
F Washers (2)	F1	F1	F1	F2, F3	F1
G Clamp Nuts (2)	G1	G1	G1	—	G1
H Jaw Pins (2)	H1	H1	H1	—	H1
J Adaptors	—	J2	—	—	J1
K Studs (2)	—	—	—	K1, K2, K3	—



- Screen the puller application.
- Inspect the puller: do not use damaged parts.
- Use the proper type and size of puller for the job.
- Read Safety Precautions on pages W1-84.

PULLERS: BAR-TYPE INTERCHANGEABLE



CJ Interchangeable Pullers—Major Components

Component	Key No.	Stock No.	Specific Dimensions		Set Contains:						
			Usable Range, inches	Pin Holes per Side	CJ83C	CJ82B	CJ81D	CJ85A	CJ80A		
	Yoke	A1	CJ100-1	10-1/2-18	4						
	Yoke	A2	CJ110-1	8-10-1/2	3						
	Yoke	A3	CJ85-1	3-6-1/2	3				*	*	
	Yoke	A4	CJ86-1	1-3/4-4-1/2	2	*	*	*			
	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	*				*	
	Point	C1	CJ66-15-3	5/8	90° Outward	*	*	*	*	*	
	Point	C2	CJ84-16	7/8	90° Outward						
	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)	D6	CJ87-1	1-3/8	—					*	
	Clamp Bolts	E1	CJ100A2	18	—						
	Clamp Bolts	E2	CJ110-2A	11-1/2	—						
	Clamp Bolts	E3	CJ85-3A	7-1/2	—				*	*	
	Clamp Bolts	E4	CJ86-4A	5	—		*	*			
	Washer (2 needed)	F1	CJ85-4	15/32	7/8		*	*	*	*	
	Washer (1 needed)	F2	ME5A54	11/32	11/32	*					
	Washer (1 needed)	F3	ME5A55	9/32	3/4	*					
	Clamp Nuts (2 Needed)	G1	ME4A33	7/16 x 20	—		*	*	*	*	
	Jaw Pins (2 needed)	H1	CJ105-11	5/16	1-15/32		*	*	*	*	
	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				*		
	Studs (2 needed)	K1	ME3A44	3/4-16 x 3	—		*				
			ME3A45	5/16-18 x 2-1/2	—		*				
			ME3A75	M10-1.5 x 65 mm	—		*				

Letters in chart refer to Key No. in chart on previous page (A3, B1, C1, etc.)

PULLERS: BAR-TYPE INTERCHANGEABLE



CJ2002

Gear Puller Set

CJ2002 Gear Puller Set

- For use on Pitman arms, timing gears, carrier side bearings and more
 - Combine to create 10 different pullers
 - 6–10-ton capacity depending on yoke and jaws used
- CJ66-15-3 Centering Point**
- 5/8" head, 90° outward point
- CJ81-2A Jaw**
- 1-3/8" Maximum Reach

CJ83-2 Pressure Screw

- 3/4–16 x 6-11/16"

CJ83-3 Pressure Screw

- 3/4–16 x 5-1/8"

CJ84-16 Centering Point

- 7/8" head, 90° outward point

CJ85-1 Yoke

- Range 3–6-1/2"

CJ85-3A Clamp Bolt

- 7/16"-20 x 8-1/16"

CJ85-4 Washer

- Inside diameter 15/32"
- Outside diameter 7/8"

CJ86-1 Yoke

- 1-3/4–4-1/2"

CJ86-4A Clamp Bolt

- 5" maximum length

CJ87-1 1-3/8" Jaw

CJ105-11 Long Jaw Pin

- 5/16" dia., 1-15/32" long

CJ282-1 4-3/8" Jaw

ME4A33 Hex Nut (4)

6-Ton Capacity (5.41 t), Tapped Hole

Stock No.	Description	Maximum Spread, inches (mm)	Maximum Reach, inches (mm)	Pressure Screw Size, inches	Side Rod Adaptors (2 each)	Side Rods (2)
CJ84C	Basic Bar-Type Manual Tapped Hole Puller Set	2-5/8–11-5/8 (67–295)	—	1-14 x 33	—	5/8-18 x 10
CJ840C	Complete Bar-Type Manual Tapped Hole Puller Set	2-5/8–11-5/8 (67–295)	33 (838)	1-14 x 33	3/8–24; 3/8–16; 5/16–24; 5/16–18; 7/16–20; 5/8–18; 5/8–11; 7/16–14; 1/2–20; 1/2–13; 3/4–16; 3/4–10	1/2–20, 1/2–13, 3/4–16, 3/4–10

CJ84C Basic Bar-Type Manual Tapped Hole Puller Set

- CJ840C less all adaptors and side rods except 5/8"-18 x 10"

CJ840C Complete Bar-Type Manual Tapped Hole Puller Set

- Side rods in set are provided 2 each in 5", 10" and 20" lengths



CJ840C

BAR-TYPE PULLER ADAPTORS

Male Adaptors

Stock No.	Description	Female Thread	Male Thread
CG656-12	5/8"-18 Adaptor	7/16"-14	5/8"-18
CJ84-10	Male Adaptor	5/8"-18	3/8"-16
CJ84-11	Male Adaptor	5/8"-18	1/2"-13
CJ84-12	Male Adaptor	5/8"-18	5/8"-11
CJ84-13	Male Adaptor	5/8"-18	3/4"-16
CJ84-14	Male Adaptor	5/8"-18	3/4"-10
CJ84-15	Male Adaptor	5/8"-18	5/16"-18
CJ84-17	Male Adaptor	5/8"-18	5/8"-18
CJ84-18	Male Adaptor	5/8"-18	7/16"-14
CJ84-6	Male Adaptor	5/8"-18	5/16"-24
CJ84-7	Male Adaptor	5/8"-18	3/8"-24
CJ84-8	Male Adaptor	5/8"-18	7/16"-20
CJ84-9	Male Adaptor	5/8"-18	1/2"-20



CG656-12



CJ84-10



- Screen the puller application.
- Inspect the puller; do not use damaged parts.
- Use the proper type and size of puller for the job.
- Read Safety Precautions on pages W1–W1

PULLERS: AUTOMOTIVE



CJ134



CJ131P



CJ145

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

CJ131P Steering Wheel Puller and Lock Plate Depressor Set

- Includes a selection of bolts and a handle in a 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 the puller when turning force is applied to the pressure screw
- Industrial finish

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 and 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 vans)



CJ3PSB

Power Steering Pullers

CJ3PSB 8 pc Power Steering Puller Set

- One-piece reversible dual yoke utilizes a cup design to provide more surface contact reducing the chance of slippage or surface damage
- Puller driver assembly incorporates a 1" hex, thrust bearing and Fine thread Pressure screw permitting easy turning while providing maximum loading, which results in flush installation with positive stop
- All adaptors are designed to use with a single pressure screw further reducing the number of tools needed for greater user convenience
- Reversible dual yoke, one-piece driver, and a single pressure screw with multiple adaptors allows quick changeover resulting in faster set-ups and fewer man-hours
- Power Pressure screws and Installer adaptors are roll threaded and heat-treated for strength and durability
- The yoke and driver are heat-treated for max strength and durability and zinc plated to prevent corrosion



CJ89



CJ115



PAR1490



YA6880

Pitman Arm Pullers

CJ89 Pitman Arm Puller

CJ119B Pitman Arm Puller

(Domestic Cars/Light Trucks)

- Designed for most U.S. cars and light trucks
- 3/4"-16 x 6-7/8" pressure screw size
- Industrial finish

CJ115 Pitman Arm Puller

- Similar in design to CJ119B except it is designed for compact and intermediate size cars

PAR1490[†] Super-Duty Pitman Arm Popper

- Fits short sector shaft and long sector shafts with a bolt or nut attachment
- Forged from alloy steel
- Heat-treated for rigidity and durability
- Fine pitch thread for reduced effort
- Ball bearing tip to protect the sector shaft

PAR1988[†] Medium-Duty Pitman Arm Remover

- Patented design uses leverage action and requires less torque and space than other pitman arm tools and removal methods
- Low clearance design works on steering gear mounted in the vehicle
- Accommodates pitman arms that are 3" wide
- Forged alloy steel construction securely locks the tool in place

PAR6880[†] High-Leverage/Low-Profile Pitman Arm Puller

- Fits inside confined spaces and eliminates the need to remove the steering gearbox
- Works on most Pitman arm applications
- Enables technician to work safely and more efficiently, increasing profit-earning potential
- Opening for steering box/pitman arm is approx. 1-1/2" and is designed for Sector Shafts measuring 1.35" diameter
- Accepts pitman arms 2.60" wide
- Gearbox-to-Pitman Arm clearance measuring 0.250"
- Manufactured with forged chromoly steel construction

YA6880[†] Low-Profile Pitman Arm Puller

- Fits in the confined space on most GM® (1988-2000 C and K Series 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 save time removing the arm off of the steering gear box without altering the boxes position

Harmonic Damper Pulley Pullers

HDP6490¹ Harmonic Damper Pulley Puller

- Includes (6) different length push rods and special patent pending tip
- New spring-loaded legs allow for leg position retention
- Provides greater ease and control when installing the puller in confined areas
- Removes 3- and 6-spoke harmonic damper pulleys found on many Chrysler[®] and GM[®] engines
- Eliminates the need to remove the radiator or other components

HDP1345² Harmonic Damper Pulley Puller

- Specially designed to pull at three points on the ledges of the pulley with less chance of damage and applies equal force when pulled; can save up to 30 minutes per job
- Spring-loaded legs retain position and have correct geometry for Dodge[®] pulleys
- Gives greater ease and control when installing the puller in confined areas
- Eliminates the time consuming process of removing the radiator and other components
- Includes (6) push rods in multiple lengths and special patent pending tip

HDP1740² Two-jaw Harmonic Pulley Puller

- Specially designed two-jaw puller for smaller cars with four-spoke pulleys
- Patent-pending side-turn legs quickly and easily grab the pulley
- Compact low profile narrow design fits the small pockets found on most pulleys
- Spring-loaded legs maintain their position and save time as the puller is positioned on the pulley

CJ146 Crankshaft Harmonic Balancer Kit

- Remove the crankshaft harmonic balancer on 1990 and later 3.3 L and 3.8 L GM[®] engines
- Shoulder bolt adaptors provide the correct installation depth, preventing damage to the crank sensor and interrupter rings
- Includes (3) CJ146-1 adaptors, (1) CJ146-2 extension and vinyl storage pouch
- Requires Snap-on[®] CJ98-1 yoke and CJ83-3 pressure screw for use (not included)

HDP1835¹ Harmonic Damper Pulley Puller for Ford[®]/GM[®]

- Revolutionary low-profile legs fit smaller narrow pulley pockets and have the correct geometry to work on a wide range of applications because the legs grasp on the backside of the spoke
- New design increases the bite of the leg to the pulley as it's tightened
- Compact design accommodates tight engine compartments
- Spring-loaded legs maintain position to save time as the puller is positioned on the harmonic damper pulley
- Saves the average user approximately 30 minutes

HDP1800¹ 15 pc Master Harmonic Damper Pulley Puller Set

- Combines (4) harmonic pulley puller kits into one master kit
- Features three styles of legs including the unique patent-pending, industry-exclusive side-turn legs
- Includes an extra set of spring washers and a spare clevis pin
- Compact design has everything needed inside a blow-molded case

HDP1800-1¹ 3-Jaw Pulley Puller Hub

HDP1800-2¹ 2-Jaw Pulley Puller Hub

HDP1800-3¹ Pulley Puller Center Bolt

HDP1800-4¹ Push Rod Tip

HDP1800-5¹ Detent Clevis Pin

HDP1800-6¹ Side Turn Leg Spring Style

HDP1800-7¹ Leg Chrysler[®] Spring Style (Gold)

HDP1800-8¹ Leg Universal Spring Style

HDP1800-9¹ 3" Pulley Puller Push Rod

HDP1800-10¹ 2" Pulley Puller Push Rod

HDP1800-11¹ 5.4" Pulley Puller Push Rod

HDP1800-12¹ 4" Pulley Puller Push Rod

HDP1800-13¹ 7-1/2" Pulley Puller Push Rod

HDP1800-14¹ 6-1/2" Pulley Puller Push Rod

HDP1800-15¹ Wavy Washer Spring Pack

HDP1800-CASE¹ Blow Molded Box



CJ146



HDP1345



- Screen the pulley application.
- Inspect the pulley; do not use damaged parts.
- Use the proper type and size of pulley for the job.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4.

PULLERS: AUTOMOTIVE

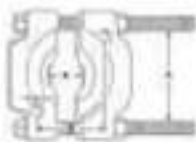


Harmonic Balancer

YA6491A¹ Harmonic Damper Pulley Puller Update Kit (Blue-Point®)

- 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 the existing YA9740 series pullers to add these new applications: GM® 4.2 L Straight 6-cylinder; Chevrolet® Trailblazer®, Colorado®; GMC® Envoy, Canyon® (2004-later); Oldsmobile Bravada (2003-later); Buick® Rainier® (2004-later) 3.5 L Straight 5-cylinder; Hummer® H3 (2006-later) 2.8 L Straight 4-cylinder

PULLERS: SPECIAL PURPOSE



CJ949

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, Maximum Spread	B, Minimum Spread	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	6-5/8	1-1/2	5/8"-18	9-5/16
CJ953	8-3/8	8-3/4	1-1/4	7/8"-14	14-7/16



A78

Small/Pilot/Ball Bearing Pullers

A78 Small Bearing Puller

- For bearings and bushings typically found in small electric motors
- Includes a large jaw set for bronze and oilite bushings, small jaw set for smaller bearings and bushings
- Up to 3 tons of pulling power
- Working range is 1/2"-2"

SP2031A¹ Pilot Bearing Puller (Blue-Point®)

- 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



SP2031A

PULLERS: COMPONENTS AND CONVERSION KITS

Ford® Diesel Turbo Tools

TVA1650 Turbo Vane Actuator Installer for Ford® Vehicles

- Simply rotate the arm up, slip the self-centering installer over the arm, and with two wrenches the stud is pushed into the arm in a matter of seconds
- Compact size allows tool to be used either on or off the truck
- Single-purpose design saves time and allows the user to work more efficiently while reducing the potential to damage parts during installation
- Fine thread actuator reduces the torque required to loosen the press fit



TVA1650

DIESEL SERVICE SETS



CUMDS12V



CUMDS24V

Cummins® B and C Series

Stock No.	Description	Applications				Set Contents	
		12 Valve	24 Valve		CUMDS12V	CUMDS24V	
		Pre-1994	1994-1998-1/2	1999-2002	2003	12 Valve	24 Valve
EEP0500 ¹	Diesel Compression Gauge	•	•	•	•	•	
MB50	Bronze Injector Brush (Blue-Point®)	•	•	•	•	•	
MB6BTA	3" Injector Brush (Blue-Point®)	•	•	•	•	•	
FRHM17	3/8" Drive 6-Point Metric 17 mm Flank Drive® Flare Nut Crowfoot Wrench	•			•		
FRXM17	3/8" Drive 6-Point Metric 17 mm Flank Drive® Flare Nut Socket	•			•		
M3584	Compression Adaptor	•			•		
FRHM19	3/8" Drive 6-Point Metric 19 mm Flank Drive® Flare Nut Crowfoot Wrench		•	•		•	
FRXM19	3/8" Drive 6-Point Metric 19 mm Flank Drive® Flare Nut Socket		•	•		•	
EEPV313C ¹	Diesel Compression Gauge Adaptor		•	•		•	
SP504	Gear Puller (Blue-Point®)		•	•		•	

CUMDS12V 14 pc 12 Valve Diesel Set for Cummins® B and C Series Engines

- Includes 3/8" drive 6-point metric 17 mm flare nut socket and flare nut crowfoot wrench, 1/2" drive 6-point metric 24 mm deep socket, feeler gauge, diesel compression adaptor, bronze injector brush, stainless steel injector brush, injection pump wrench, 10 mm idle lock nut wrench, 12 mm diesel injector puller adaptor, M14 x 1.5 diesel injector puller adaptor, slide hammer injector puller, engine turning tool and 0-800 PSI diesel compression gauge
- Includes a tote bag

CUMDS24V 14 pc 24 Valve Diesel Set for Cummins® B and C Series Engines

- 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
- Includes 3/8" drive 6-point metric 19 mm flare nut socket, 3/8" drive 6-point metric 19 mm flare nut crowfoot wrench, feeler gauge, bronze injector brush, stainless steel injector brush, gear puller, 8 mm diesel injector puller, 15 mm diesel injector puller, slide hammer injector puller, engine turning tool, diesel compression gauge adaptor, fuel line plug, fuel tube remover and 0-800 PSI diesel compression gauge
- Includes a tote bag

- Read and follow safety messages in Instructions.
- Do not expose gasoline or fuel to flames, sparks or other sources of ignition.
- Use only in well-ventilated areas.
- Screen the puller application.
- Inspect the puller; do not use damaged parts.
- Use the proper type and size of puller for the job.

¹These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
• Read Safety Precautions on pages W1-W4



WARNING

DIESEL: DIESEL SERVICE SETS



Diesel Timing Gauge Set

SP500¹ Diesel Timing Gauge Set (Blue-Point®)

- Used to 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

SP5001¹ 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

SP5002¹ Gauge Holder (Blue-Point®)

- Used in the 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

SP503¹ Spline Socket (Blue-Point®)

- Used to remove and replace the delivery valve on most Bosch® fuel injection pumps

SP504¹ Gear Puller (Blue-Point®)

- Used to remove the injection pump gear
- Bolt thread is M8 x 1.25
- Bolt length is 44 mm

DIESEL: SERVICE TOOLS FOR CUMMINS® ENGINES



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 (2) 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 ton

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



Torque Adaptor Set

ST669 6 pc Torque Adaptor Set

- Used to loosen and adjust lock nuts to manufacturing specifications

ST669-1 Handle Assembly

- Included in the ST669 Torque Adaptor Set

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 1/4" Drive 1/4" Flat Tip Short Bit Socket

- Manufactured from high-grade alloy steel



Compression Adaptors/Injector Style

M3540C¹ Compression Adaptor

- For Cummins® 855 in³ NH, and 903 V8 and L10 diesel engines

M3584C¹ Compression Adaptor

- For Case®/Cummins® Series B 2.9, 3.9 and 5.9 L diesel engines

M3585C¹ Compression Adaptor

- For Case®/Cummins® Series C 8.3 L engines

DIESEL: SERVICE TOOLS FOR CUMMINS® ENGINES

Injector Brushes

MB5D Bronze Injector Brush (Blue-Point®)

- Bronze non-abrasive brush cleans carbon from injector tips

MB68TA 9" Injector Brush (Blue-Point®)

- Stainless steel wire brush cleans the injector cavity in the cylinder head
- 9" long



Fuel Line Tools

CJ148 Fuel Line Plug

- For plugging fuel lines

CJ149 Fuel Tube Remover

- For fuel inlet tubes on late-model vehicles

YA6615† 24 mm Flare Nut Wrench for Cummins® (Blue-Point®)

- Used 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



Air Compressor Fuel Pump Wrenches

M1321 Air Compressor/Fuel Pump Wrench

- Includes a 5/8", 12-point box wrench on both ends
- Accommodates air compressor and fuel pump flange bolts on NH Series In-line 6-cylinder engines

M1328A Air Compressor/Fuel Pump Wrench

- Includes a 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

M1329 Fuel Pump Wrench

- Includes a 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

M1319 Valve Adjusting Wrench

- 7/8", 12-point box wrench to tighten lock nuts on rocker arms
- Designed to clear the aftercooler
- 12" long

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



- Read and follow safety messages in Instructions.
- Do not expose gasoline or fuel to flames, sparks or other sources of ignition.
- Use only in well-ventilated areas.
- Screen the puller application.
- Inspect the puller; do not use damaged parts.
- Use the proper type and size of puller for the job.
- Wear safety goggles (user and bystander).
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Descriptions on pages W1-W4.



DIESEL: SERVICE TOOLS FOR CUMMINS® ENGINES



CJ125A

Injector Pullers

CJ125A Injector Puller

- Slide hammer puller services D, top stop and small V8 injectors
- 10-1/2" long



CJ140

CJ140 5 pc Diesel Injector Puller Set

- Used on fuel injectors in Cummins® B and C Series 3.9 L, 5.9 L and 8.3 L engines used in Dodge® pickups, Case® tractors and off-road equipment
- Will service all 1994-1998-1/2 standard injectors, as well as fuel inlet tubes

CJ140-1 Slide Hammer Injector Puller

- Used to pull injectors from heads on 1998-1/2-2002 Dodge® and Cummins® engines
- 8 x 1.25 mm thread
- Use the CJ144 Puller to pull the fuel inlet tube prior to removing the injector



CJ140-1

CJ141 Diesel Injector Puller Adaptor

- Used on Cummins® diesel injectors prior to 1994

CJ142 M14 Diesel Injector Puller Adaptor

- Used on Cummins® diesel injectors from 1994-1998-1/2

CJ143 8 mm Diesel Injector Puller

- Used on 1998-1/2 Cummins® diesel injectors in tight-access areas

CJ144 15 mm Diesel Injector Puller

- Used on 1998-1/2-2002 Cummins® diesel fuel inlet tubes



TSM24



TWM14A



YA9565A

Cummins® B and C Series

TSM24 1/2" Drive 6-Point Metric 24 mm Flank Drive® Deep Socket

TWM14A 1/2" Drive 6-Point Metric 14 mm Flank Drive® Shallow Socket

YA9565A Engine Turning Tool (Blue-Point®)

- Used to rotate the engine for making valve and injection pump adjustments on Cummins® and Case® 3.9 L, 5.9 L and 8.3 L B and C Series engines

DIESEL TOOLS



FRXM21

Engine Sockets

FRXM21 3/8" Drive 6-Point Metric 21 mm Flank Drive® Flare Nut Socket

- Manufactured from special steel with a higher alloy content
- Precision forged and heat-treated for optimum strength and durability
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean



FTXEL45E

FTXEL45E 3/8" Drive TORX® T45 Extra-Long Bit 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 4 diesel engines
- 3/8" square drive
- Various applications on European vehicles



PPM516A

PPM516A 1/2" Drive SAE 1/2" Male Square Drain Plug Socket

- 1/2" square male end
- Extra strength to remove drain plugs
- 1-7/16" long



SIML200

SIML200 1/2" Drive 6-Point SAE 5/8" Flank Drive® 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

Compression Adaptor

M3545C[†] Glow Plug Compression Adaptor

- For Ford[®]/International 6.9/7.3 L, Mercedes-Benz[®] E320 and Westerbeke[®] Marine engines



M3545C

Pulley Puller

SP448 Pulley Puller (Blue-Point[®])

- For removing the air pump pulley
- Fits over the pulley flange



SP448

Injector Height Gauges

- Used to set injectors during installation and at set service intervals
- Knurled handle screws into the gauge at a 90° angle for work in close quarters

SP7882 6 pc Diesel Injector Height Gauge Set

- Five-in-one gauge set covers all applications for Detroit Diesel[®] 50 and 60 Series engines
- Includes (5) injector height gauges and (1) handle
- Includes a storage pouch

SP7882-1 Diesel Injector Height Gauge Handle

SP7882-782 Injector Height Gauge (78.2 mm) (Blue-Point[®])

SP7882-788 Injector Height Gauge (78.8 mm) (Blue-Point[®])

SP7882-803 Injector Height Gauge (80.3 mm) (Blue-Point[®])

SP7882-810 Injector Height Gauge (81.0 mm) (Blue-Point[®])

SP7882-821 Injector Height Gauge (82.1 mm) (Blue-Point[®])



SP7882



SP7882-1

Diesel Fuel System Tools

FPWD14[†] Duramax[®] Fuel Pressure Sensor Wrench

- Saves hours of time by eliminating the need to remove the EGR cooler system and fuel rail—simply unbolt air conditioning compressor to remove the front EGR valve
- 2 pc design reduces the time required to service the fuel pressure release valve
- Tool slips onto the release valve from back to front allowing the handle to slide into the crescent end of the socket, making loosening the fuel pressure release valve easier



FPWD14

Oil Rail Gauge

ORG1315[†] Oil Rail Gauge

- Correctly determine dimension and select correct back-up ring when installing high-pressure oil manifolds
- Used to install high-pressure oil manifolds on International[®] DT466 and MaxxForce[®] engines from 2004–2013
- All three sizes in one tool
- No stacking of feeler gauges
- Heat-treated 4130 for durability and accuracy
- Red vinyl-dipped handle for increased visibility
- Large ring end for easy handling



ORG1315

- Screen the puller application.
- Inspect the puller, do not use damaged parts.
- Use the proper type and size of puller for the job.
- Read and follow safety messages in instructions.
- Do not expose gasoline or fuel to flames, sparks or other sources of ignition.
- Use only in well ventilated areas.
- Wear safety goggles (use and bystanders).
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.
- Read Safety Precautions on pages W1–W4



DIESEL TOOLS



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

- 7/16" open ends and is 4-1/4" long
- Special thin design with 30° and 60° angle heads



FDT1116

Fuel Line Disconnect Tools

FDT1116² Fuel Line Disconnect Tool Set

- Includes (4) fuel line disconnect tools—a straight and a 90° angle for the 11.8 mm fuel lines and a straight and a 90° angle for the 16 mm fuel lines
- 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
- Set includes FDT11, FDT11STR, FDT16 and FDT16STR

FDT11¹ Angled Fuel Disconnect Tool

- 90° angle for 11.8 mm fuel lines
- Handle is highly visible orange for easy identification

FDT11STR² Straight Fuel Disconnect Tool

- For 11.8 mm fuel lines
- The OEM tool sets ZTSE4773 and ZTSE4772 do NOT include the straight tools the straight tools allow access into tight areas
- Handle is highly visible orange for easy identification

FDT16¹ Angled Fuel Disconnect Tool

- 90° angle for 16 mm fuel lines
- Handle is highly visible orange for easy identification

FDT16STR² Straight Fuel Disconnect Tool

- 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
- Handle is highly visible orange for easy identification



B4400A



WSW3

Starter Bolt and Fuel Filter Wrenches

B4400A Starter Bolt Wrench

- Manufactured from special alloy steel and heat-treated for optimum strength
- Specially contoured for tight-access areas
- Used for John Deere® starter bolts

WSW3 Duramax® Fuel Filter Water Sensor Wrench

- Glass-filled nylon tool with four sizes: 40, 41, 42 and 46 mm
- All-in-one tool that works on all four OEM and aftermarket sizes available in the marketplace today



FCT706

Fan Clutch Wrench

FCT706 Fan Clutch Wrench (Blue-Point®)

- Used for heavy-duty truck engines
- Hole pattern on the tool aligns with fasteners on the fan hub
- Open end wrench is used to remove the fan clutch
- 24-1/2" long for maximum leverage



Feeler Gauges

FB308D Step Feeler Gauge Set and Holder (Blue-Point®)

- Used for adjusting valves
- Includes 12 step blades in sizes .008"/.010"-.028"/.030"

FB325A[†] 25 pc SAE and Metric Feeler Gauge Set (Blue-Point®)

- Includes blade sizes .0015 and .002-.025"
- Double stamped with SAE and metric sizes

FB328A[†] Step Feeler Gauge Set and Holder (Blue-Point®)

- For adjusting valves
- Includes two step blades: .011"/.013" and .013"/.015"
- For valve adjustment on GM® 8.2 L engines
- Double stamped with SAE and metric size

FB300A[†] Bent Blade Feeler Gauge Set (Blue-Point®)

- 45° blade ends

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



Crowfoot Wrench

SCFM2538 3/8" Drive Cummins® Wastegate Solenoid Crowfoot Wrench

- Crowfoot design helps to not damage the solenoid while providing access to it during removal or installation
- Crowfoot design and square drive allow for proper torquing of the solenoid during installation



Specialty Service Tools

S6201 M20 x 1.5 Retreader Tap

- Manufactured from special steel with a higher alloy content
- Industrial finish helps protect against corrosion
- Precision machined and heat-treated for optimum strength and durability



- Read and follow safety messages in instructions.
- Do not expose gasoline or fuel to flames, sparks or other sources of ignition.
- Use only in well ventilated areas.
- See safety information in the current Snap-on catalog.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P3 for details.
- Read Safety Precautions on pages W1-W4.



DIESEL TOOLS



Special Application Sockets

EMSM3814 3/8" Drive Metric 14 mm Sensor Socket

- Sensor sockets specially designed cutout ensures a tight fit on sensors without cutting wires
- Precise fit; six-sided, more flat-to-flat contact, avoids rounding the sensor (as opposed to two-sides with standard wrench)
- Thin outside diameter for greater accessibility to sensors that are tucked away
- Industrial finish helps protect against corrosion
- The square drive end has grooved detents on all four interior walls

FLS1219 1/2" Drive Fuel Line Socket

- Designed to easily torque fuel injector lines correctly, reducing or eliminating the possibility of a fuel leak or damaging the line, fuel rail or fittings
- Easily applies the 30 ft-lb factory-required torque
- No torque adaptors with complicated calculations required
- Use on Cummins® ISB engines 1998–present
- 1/2" drive, 19 mm

FLS1222 1/2" Drive Fuel Line Socket

- Easily applies 80 ft-lb factory-required torque
- No torque adaptors with complicated calculations required
- Use on Cummins® ISX engines 2007–present
- 1/2" drive, 22 mm

IPSTML10 1/4" Drive 6-Point 10 mm Flex Impact Socket

- Removes and installs glow plugs
- Designed with a retention O-ring that holds the glow plug in the socket while being installed or removed
- Industrial finish helps protect against corrosion
- Precision machined and heat-treated for optimum strength and durability

IPSTML8 1/4" Drive 6-Point 8 mm Metric Deep-Flex Impact Socket

- Removes and installs glow plugs on following vehicles: Ford® 2011–2012 F250®/F350® Super Duty® 6.7 L Power Stroke® Diesel 2011–2014 F450®/F550® Super Duty® 6.7 L Power Stroke® Diesel Dodge® 2007–2009 Dodge® Sprinter® Van; Jeep® 2007–2009 Grand Cherokee® Freightliner® 2007–2011 3.0 L V6 Diesel Sprinter® Van; Mercedes® 2007–2009 E320 3.0 L V6 Diesel, 2011 3.0 L V6 Diesel Sprinter® Van

S6200 1/2" Drive 12-Point Metric 12 mm Engine Bearing Cap Bolt Impact 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
- 4-3/8" long

MFIMMD10 3/8" Drive 12-Point Metric 10 mm Shallow Magnetic Power 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 must 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)
- 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
- Power sockets designed and intended for use with power nut runners; do not use with impact drivers
- Industrial, black-oxide, finish helps protect against corrosion

M3525A 1/2" Drive Spanner Socket

- 1/2" drive, 3-7/32" long
- Includes 1-1/8" internal hex for use on "Fuel Squeezer" Series engines

M3503B 3/8" Drive Fuel Line Nut Socket

- 1/2" wrench opening
- 3/8" drive, 6-point
- Shaped for access to fuel line nuts
- 3-1/4" long
- Additional applications include the head temperature sensor on Buell® Motorcycles

TLEPL50 1/4" Drive TORX Plus® 5EPL Socket

- Manufactured from special steel with higher alloy content
- Precision forged and heat-treated for optimum strength and durability
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean



SRD6

Belt Tensioning Tools

SRD6 Belt Tensioner Release Tool

- 6" long adaptor with 1/2" male square
- Female triple square drive allows more flexibility to work around obstacles by coming in at different angles with a 1/2" breaker bar
- Similar to the Snap-on® 6" torque adaptors but with a male square
- If using with a torque wrench, refer to the Snap-on® SS306G Torque Chart for the formula to obtain the correct applied torque

Heavy-Duty Applications:

- For serpentine belt tensioners with a 1/2" square drive opening found on Detroit Diesel® Series 60® and Caterpillar® engines
- Other 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® (2.0 and 3.0 L engines) Ford®, Lincoln® and Mercury® (2.3, 3.0, 4.2 and 4.6 L engines) GM® (2.5, 4.7, 5.0 and 5.7 L engines) vehicles



YA9340

YA9340 Serpentine Belt Wrench (Blue-Point®)

- Used to release any serpentine belt tensioner with a 1/2" square drive opening
- Ratcheting action allows better positioning of the tool, creating a greater swing angle than a solid-type serpentine belt wrench
- Reversible ratchet head is only 1" thick so it will fit between the tensioner face and fan blades on Detroit Diesel® S Series 60® and some Caterpillar® engines
- Also ideal 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

Ford® ICP Sensor Socket

S6196KR 3/8" Square Drive 6-Point ICP Sensor Socket for Ford® Vehicles

- Easily removes and installs the ICP Sensor on 2002 and 2003 Ford® 6.0 L diesel truck engines
- Spring retention securely holds the sensor during use
- 6-point configuration and Flank Drive® wrenching system
- Nickel-chrome finish resists rust and corrosion



S6196KR

Glow Plug Tool

FGPT Glow Plug Harness Tool

- Prevents damage to the harness and connector rail
- Removes and installs glow plug connectors
- Orange color for easy identification in dark engine compartments



FGPT

Diesel Exhaust Fluid (DEF) Tools

DEFT300[†] 3 pc Diesel Exhaust Fluid (DEF) Tube Release Forks Set

- Designed to depress locks that retain DEF lines, allowing for easy removal
- Each fork has both a straight and 90° design to access most locations
- Reduces time spent fighting with hard-to-reach clips
- Includes DEFT322, DEFT325 and DEFT334

DEFT322[†] Small DEF Fork

DEFT325[†] Medium DEF Fork

DEFT334[†] Large DEF Fork



DEFT300

Diesel Pulse Adaptor

MT257B Diesel Pulse Adaptor (Blue-Point®)

- Tests 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
- Not for use on diesels with common rail fuel systems



MT257B

- Retreading tape and die renew existing threads; do not use for cutting new threads or on hardened steel.
- Do not use power sockets or accessories with impact drivers or impact wrenches.
- Do not use "cheater bars" on handles.
- Read and follow safety messages in the Instructions.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P3 for details.
- Read Safety Precautions on pages W1-W4



DIESEL: FORD®/NAVISTAR®



FFW2A

Ford® Fuel Filter Wrench

FFW2A 3/8" Drive 24/36 mm Fuel Filter Socket

- Double-sided 3/8" drive socket includes both a 24 mm 6-point socket and a 36 mm slotted socket
- Made of machined aluminum and anodized for surface protection



MB73A

Injector Brushes

MB5D Bronze Injector Brush (Blue-Point®)

- Bronze non-abrasive brush cleans carbon from injector tips

MB73A Injector Brush (Blue-Point®)

- Combination 5/16" and 13/16" dia. stainless steel wire brush cleans the injector bore and injector tip hole in the cylinder head



S6340E



Injector Hold-Down Fastener Tools

S6340E 3/8" Drive TORX® T40 Injector Hold-Down Fasteners Bit Socket

- Manufactured from a special alloy steel and heat-treated for optimum strength
- Snap-on® bits are designed with precise fit and tight tolerance to prevent slippage and disengagement
- Perfect length of 3-1/8" is ideal for removing and reassembling 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

S6340E2 T40 TORX® Driver Bit

EMS1230



EMSM1230



EMSM3813



EMSM3817



WSW4

Sensor and Filter Sockets

EMS1230 1/2" Drive SAE 15/16" Sensor Socket**EMSM1230 1/2" Drive Metric 30 mm Sensor Socket**

- Specially designed cutout ensures a tight fit on the sensors without cutting wires
- Precise fit; six-sided more flat-to-flat contact avoids rounding the sensor (as opposed to two-sides with a standard wrench)
- Thin outside diameter for greater accessibility to sensors that are tucked away
- Special alloy steel, heat-treated for optimal hardness and strength
- Square drive end has grooved detents on all four interior walls

EMSM3813 3/8" Drive Metric 13 mm Sensor Socket

- Sensor sockets specially designed cutout ensures a tight fit on sensors without cutting wires
- Precise fit; six-sided, more flat-to-flat contact, avoids rounding the sensor (as opposed to two-sides with standard wrench)
- Thin outside diameter for greater accessibility to sensors that are tucked away
- The square drive end has grooved detents on all four interior walls

EMSM3817 3/8" Drive Metric 17 mm Sensor Socket

- Sensor sockets specially designed cutout ensures a tight fit on sensors without cutting wires
- Precise fit; six-sided, more flat-to-flat contact, avoids rounding the sensor (as opposed to two-sides with standard wrench)
- Thin outside diameter for greater accessibility to sensors that are tucked away
- Sockets are made with special alloy steel; heat-treated for optimal hardness and strength
- Industrial finish helps protect against corrosion
- The square drive end has grooved detents on all four interior walls

WSW4 3/8" Drive Isuzu® Water Sensor Crowfoot Wrench

- 3/8" drive crowfoot wrench for the removal and installation of the fuel filter's plastic water sensor without damage

Ford® 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 the exhaust intake in the way
- Designed for use on 2003–later Ford® F-250®, F-350®, E-250® and E-350® vehicles with 6 L Power Stroke® diesel engines
- Additional applications on Navistar® VT365 engines and some International® 4000 Series of medium-duty trucks
- Wrench has a 0° offset 6-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

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
- Removes the actuator link rod from the arm on the turbo of 2008–2010 Ford® 6.4 L Power Stroke® diesel engines

TVA1650 Turbo Vane Actuator Installer for Ford® Vehicles

- Simply rotate the arm up, slip the self-centering installer over the arm, and with two wrenches the stud is pushed into the arm in a matter of seconds
- Compact size of tool allows it to be used either on or off the truck
- Single-purpose design saves time and allows the user to work more efficiently while reducing the potential to damage parts during installation
- Fine thread actuator reduces the torque required to loosen the press fit



PSWT10K



TAP1225



TVA1650

Fuel Injector Sockets

- Complies with Ford® TSB 11-10-10
- 12-point, 17 mm crowfoot design allows the socket to slip onto the injector easily at any angle
- Design allows the socket to spin under bent fuel lines
- Nose geometry reduces electrical connection damage
- 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 adapter

YA1140 Diesel Injector Crowfoot Socket Set (Blue-Point®)

- Includes 2 pc YA1140-1 and YA1140-21

YA1140-1 Long Diesel Injector Crowfoot Socket (Blue-Point®)

- Ford® 6.7 L Power Stroke® Diesel
- Inline design of the YA1140-1 allows accurate torquing of the injector and clears the plastic housing and fuel return line

- Complies with Ford® TSB 11-10-10
- 12-point, 17 mm crowfoot design allows the socket to slip onto the injector easily at any angle
- Design allows the socket to spin under bent fuel lines
- Nose geometry reduces electrical connection damage
- 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 adapter

YA1140-21 Offset Diesel Injector Crowfoot Socket (Blue-Point®)

- Ford® 6.7 L Power Stroke® Diesel
- 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
- Complies with Ford® TSB 11-10-10



YA1140



YA1140-1



YA1140-21

DIESEL: AUTOMOTIVE DIESEL

Injector Pullers

IPK1760 Sprinter® Van Diesel Injector Puller Kit

- Removes stuck injectors in minutes instead of hours
- Will not damage the valve cover
- Injector can most likely be reused as a core
- Includes tools to remove the top of the injector, clean the injector seat and a thread chaser for the clamp hole

- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.

- Do not use "cheater bars" on handles.

- **FR!**, do not push on handles.

- Sockets and accessories can break if used with impact drivers.

- Broken sockets or accessories can cause injury.

- Wear safety goggles (user and bystanders).

- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.

- Read Safety Precautions on pages W1–W4



IPK1760



DIESEL: AUTOMOTIVE DIESEL



IPK1720

Injector Pullers

IPK1720¹ Cummins[®] 5.9 L and 6.7 L Injector Puller

- For use on Dodge[®] Cummins[®] 5.9–6.7 L diesel engines equipped with the high-pressure common rail fuel system
- Designed to slip the puller cup in the groove on the injector and lever it out against the head of the mid-cover center bolts after the wires and retaining bolts have been removed
- Height adjustable for 5.9 L and 6.7 L HPCR engines
- No need to bolt the tool down, moves quickly from injector to injector pulling them straight out, saving time and reducing the likelihood of damaging the head or injector



S6128

Metric Injector Sockets

S6128 Metric Injector Socket

- 6-point, 30 mm, 2-1/16" bolt clearance
- 7/16" opening depth, 2-11/16" long
- 7/8" external hex on the drive end

S6104B Metric Injector Socket

- For VW[®] and Mercedes[®] diesel engines
- 12-point, 27 mm
- Clearance bored to fit over the fuel injector
- 1/2" drive; 3-1/4" long



YA6925

Flywheel Lock (Blue-Point[®])

YA6925¹ Flywheel Lock for GM[®] Duramax[®] 6.6 Liter Engines (Blue-Point[®])

- For 2001–later Duramax[®] 6.6 L 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



RNDSL7

Diesel Exhaust Bung Rethreading Kit

RNDSL7¹ 7 pc Diesel Exhaust Bung Rethreading Kit

- Unique design and geometry allows access to difficult to reach bungs
- Designed to reach the bottom thread even with inverted flare fittings
- Will cleanup most EGT sensor bungs allowing a new sensor to be installed without the need for exhaust component replacement
- Inverted cone design allows the tap to fully engage all threads unlike flat bottom rethreading taps
- Six different sizes and included drive adaptor will accommodate repair of most EGT sensors on cars, light, medium and heavy-duty trucks
- Square-to-hex adaptor allows use of 14 mm or 9/16" socket or wrench



RND1210



RND1615



RNDADP1

RNDADP1¹ Hex to Square Adaptor

RND1615¹ M16 x 1.5 Rethreader

RND1415¹ M14 x 1.5 Rethreader

RND14125¹ M14 x 1.25 Rethreader

RND1215¹ M12 x 1.5 Rethreader

RND12125¹ M12 x 1.25 Rethreader

RND1210¹ M12 x 1.0 Rethreader

RNDPKG1¹ Pouch

Sensor and Filter Sockets

OFSKIT 4 pc Oil/Fuel Filter Socket Set

- Removes and installs 24, 27, 35, 36 mm and 1-1/4" oil filters
- Includes (1) A127 and (1) A106 Oil Filter Sockets, (1) S3624 Filter Flip Socket and (1) A129 Cummins® Diesel Fuel Filter Socket in a storage tray

A127 Applications:

- Removes and installs 27 mm (1-1/16") oil filters on Mercedes-Benz® 1.8 L 4-cylinder engines (2003–later)
- Aftermarket oil filters with one nut at the top of the canister

A129 Applications:

- Removes and installs fuel filter housings found on Dodge® Ram® trucks with the 24-valve Cummins® diesel engine (2002–later)

A106 Applications:

- GM® Ecotec®, 2.0, 2.2 and 2.4 L 4-cylinder engines
- Saturn®: L-series (2001), Ion and Vue (2002–later)
- GM®: Cavalier®, Sunfire®, Grand AM, Sonoma, S10, Alero (2002–later)
- Malibu®: 2002–2006
- Pontiac®: G6 and Solstice (2006)
- Chevrolet®: HHR, Cobalt, Cobalt SS (2006)
- Saab®: Some general applications

S3624 Applications:

- Removes and installs all three filter caps on Ford® 6.0 L Power Stroke® diesel-powered vehicles, such as Super Duty® pickups, Econoline® vans and Excursion®

Additional 24 mm applications:

- Buick®: VVT-V6 Rendezvous Ultra, LaCrosse® CSX
- Cadillac®: VVT-V6 CTS®, STS®, SRX®
- Saturn®: 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®
- Volvo®: 40 and 50 series, XC90® with 3.2 L 6-cylinder engine

OFS2432 24/32 mm Oil Filter Housing Flip Socket

- Used for Audi®, Volkswagen®, Porsche®, Chrysler®, Dodge®, Jeep®, RAM®, Lamborghini® and Mercedes-Benz® vehicles
- Removal and installation of the oil filter housing on 2.0 L I4 diesel engine, 3.0 L V6, 3.6 L V6, 4.0 L V8 turbo, 4.2 L V8, 5.2 L V8, 5.5 L V8 turbo and 6.3 L V9 engines
- Manufactured from special alloy steel

A129 Diesel Fuel Filter Socket

- Use for removing and installing fuel filter housings
- 1-1/8" wrench size
- 3/8" drive

SWR3 Water Sensor Socket

- Easily removes and replaces a water sensor without damage when changing the fuel filter on 2001–present GM® 6.6 L DuraMax® diesel engines in Chevrolet®/GMC® pickups and in Chevrolet®/GMC® medium-duty trucks
- Manufactured from high-strength chemical-resistant glass-filled nylon
- NOTE: Due to possible sensor distortion from previous incorrect removal/installation methods, the sensor may slip in the SWR3 during removal; used to reinstall the sensor when proper hand tightening is used
- 3/8" square drive

S3624 3/8" Square Drive Metric 24/36 mm 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 Excursion®
- Used for removal and installation of the oil filter cap, primary and secondary fuel filter caps
- Not for impact use
- Requires optional 3/8" drive extension (FX1 or FXWP1 1-1/2" long)

24 mm applications:

- Buick® vehicles: VVT-V6 Rendezvous Ultra, LaCrosse® CSX
- Cadillac® vehicles: VVT-V6 CTS®, STS®, SRX®
- Saturn® vehicles: L-3000 V6

35/36 mm applications:

- Audi®/Volkswagen®: VR6 engine
- BMW®: 6-, 8- and 12-cylinder engines
- Mercedes-Benz®: diesel engines
- Mini Cooper®
- Volvo®: 40 and 50 Series, XC90® with 3.2L 6-cylinder engine
- Nickel-chrome finish



OFSKIT



OFS2432



A129



SWR3



S3624



- Retreading taps and dies reuse existing threads; do not use for cutting new threads or on hardened steel.
- Wear safety goggles front and by-standers.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.
- Read Safety Precautions on page W1–W3.

DIESEL: AUTOMOTIVE DIESEL



ICP1610

Injector Pullers**ICP1610¹ Duramax[®] LB7 Injector Cup Puller**

- Designed to remove and help avoid damage to injector cup sleeves
- A must-have tool when re-sealing the sleeves, allowing the technician to work more efficiently
- Heat-treated alloy steel for long life



IPK1170

IPK1170¹ Injector Puller Kit

- Used 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 the injector without damage



IPK1220

IPK1220¹ Injector Puller Kit

- Removes diesel injectors on VW[®] and Audi[®] vehicles from 2000–present
- Correct tools all in one kit—no searching for shop tools
- Kit contains (3) adaptors with 2 lb slide weight on a 10" slide shaft
- Kit includes the newest style adaptor to keep this kit current for the next ten-plus years



IPK1330

IPK1330¹ Injector Puller Kit

- Used to remove diesel injectors from GM[®] vehicles produced from 2004–2010 with an LLY, LBZ or LMM Duramax[®] engine
- Pulls injector straight out without rocking
- Pulls far enough to completely remove a stuck injector
- Saves time and reduces the likelihood of damaging the injector or head



IPK1400

IPK1400¹ Injector Puller Kit

- Removes fuel injectors from GM[®] vehicles produced from 2009–current with SIDI engines
- Works on many other makes and models of motor vehicles
- Designed to pull the injector straight out reducing the possibility of damaging the injector or head
- Pulls injector straight out without rocking
- Sturdy enough so it won't slip off
- Saves time and reduces the likelihood of damaging the head or injector



IPK1630

IPK1630¹ 6.7 L Ford[®] Power Stroke[®] Injector Puller

- Factory tools rock the injector, binding it to the head and possibly damaging injector; the IPK1630 pulls the injector straight out without rocking and damaging the injector or head
- Unique cantilever I-beam design allows easy assembly on the motor and provides a solid platform for pulling the most stubborn injectors
- Lifts about 3/4" to completely remove a stuck injector
- Saves time by reducing the likelihood of damaging the head or injector
- Made from heat-treated alloy steel for rigidity and durability



IPK1640

IPK1640¹ GM[®] LML Duramax[®] Injector Puller

- A factory tool will rock the injector, binding it into the head and may damage the injector. The IPK1640 will pull the injector straight out without rocking, reducing the possibility of damaging the injector or head
- Custom I-beam bridge design allows easy access to hard to reach injectors and a solid pulling bridge to pull out the most stubborn injectors
- Lifts about 3/4" to completely remove a stuck injector
- Saves time by reducing the likelihood of damaging the head or injector
- Made from heat-treated alloy steel for rigidity and durability

Suspension/Steering Tools (Heavy-Duty Truck)

PAR1188A¹ Pitman Arm Remover F-Series

- Patented design uses leverage action and requires less torque and space compared to other pitman arm tools and removal methods
- Requires less clearance and eliminates the need to remove the steering box on most trucks
- Accommodates pitman arms that are 3" wide
- Forged alloy steel construction securely locks the tool in place



PAR1188A

S2030¹ 1/2" Drive 1-1/8" Crowfoot Air Suspension Wrench

- Low profile wrench with spline drive designed to access the tight area inside the air bag mounting bracket
- Because of tight area and limited access to the air spring mounting bracket, this design saves technicians 30 minutes over current methods
- Blind stop on the wrench also acts as a strengthening gusset
- Heat-treated forged alloy steel for strength and durability



S2030

Hand Sockets

PPM624 3/4" Drive SAE 3/4" Internal Final Drive Pipe Plug Socket

- Designed for final drive drain plugs on Caterpillar[®] D8 dozers as well as Komatsu[®] WA500 wheel loaders and 275, 375 and 475 dozers



PPM624

S6100 3/8" Drive 3-Lobe Hand Wheel Socket

- Designed to aid in the removal of rusted and corroded hand wheels without breaking them
- Manufactured from special steel with a higher alloy content
- Precision forged and heat-treated for optimum strength and durability
- Nickel-chrome plating helps protect against corrosion and makes it easy to wipe clean



S6100

S6160 1/2" Drive 12-Point Metric 12 mm Extra-Long Head Bolt Socket

- Use on 1986-later Nissan[®] engines with 12 mm head bolts
- 8" length reaches past the cam and rocker assembly to service head bolts
- Thin-profile socket and shank will reach through the access hole and past the overhead camshaft
- Additional high-torque applications include removal and installation of universal joint flange bolts on Ford[®]/Mercury[®] cars such as Mustang[®], Crown Victoria[®], Lincoln[®], Ford[®] Explorer[®], Ranger[®] and F-150[®]/F-250[®] trucks



S6160

S6194 1/2" Drive 12-Point Metric 12 mm Head Bolt Socket

- Used on Toyota[®] and Nissan[®] cars and trucks, and Honda[®] cars with 12 mm head bolts
- 4-1/8" length reaches past the cam and rocker assembly to service the head bolts
- Thin-profile socket and shank reach through the access hole and past the overhead camshaft
- Additional high-torque applications include removal and installation of universal joint flange bolts on Ford[®] Explorer[®], Ranger[®] and F-150[®]/F-250[®] trucks



S6194

S6260 1/2" Drive 12-Point SAE 1/2" Heavy-Duty Spicer[®] Drive Impact Socket

- For removal of heavy-duty Spicer[®] drive shaft bolts that have 1/2" fasteners found on Kenworth[®] and Peterbilt[®] trucks, and many other heavy-duty applications
- 8" long



S6260

SHR20 Oil Galley Drain Plug Socket

- For the removal and installation of the 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 helps get into tight applications
- Special alloy steel provides corrosion resistance
- 1/2" drive, 5/8" Hex socket, 6-point, 1-1/4" long



SHR20

SIMDML202 3/4" Drive 20 mm Double Hex Impact Socket

- For use on CAT[®] C7 cylinder head bolts, found mostly in CAT[®] earth moving machinery



SIMDML202

- Read and follow safety messages in the instructions.
- Do not use chrome or industrial finish hand tools with power driven or impact drivers.
- Screen the puller application.
- Inspect the puller; do not use damaged parts.
- Use the proper type and size of puller for the job.
- Wear safety goggles/visor and bystanders.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4



HEAVY-DUTY TRUCK SERVICE TOOLS



DW402C



S6197



S6199



S6217



S6218



S6230



SIML302



SIMML343

Impact Sockets

DW402C 3/4" Drive 6-Point SAE 1-1/4" Dayton Lug Nut Impact Socket

- For use with socket retainers

S6197 1/2" Drive 12-Point SAE 1/2" Heavy-Duty Drive Line Impact Socket

- Used on Kenworth® and Peterbilt® heavy-duty drivelines with 1/2" fasteners and many other heavy-duty 1/2" applications
- Socket will clear the weld yoke, when removing the cap screws holding the wing bushings to the end yoke
- 4-1/8" long

S6199 3/4" Drive U-Bolt Impact Socket

- Used on semi trucks using 5/8" dia. U-bolts for springs and other suspension components
- Up to 2" longer than a standard deep socket to easily accommodate the excess thread length—saves time compared to cutting off excess thread to use a standard deep socket
- 1-1/8" wrench size, six-point, 3/4" drive, 5" long

S6217 3/4" Drive Head Bolt Impact Socket

- For head bolts on heavy-duty trucks and buses with MBE900 Mercedes-Benz® engine
- Used on certain Detroit Diesel® head bolts with the MBE900 Mercedes-Benz® engine where clearance requires a thin-walled socket
- Socket height helps when using a torque wrench due to the length of the torque wrench handle for clearance
- 3/4" drive, 12-point, 17 mm, 4-3/4" long

S6218 1/2" Drive Metric 18 mm Double Hex Socket

- Used in conjunction with a 1/2" drive impact gun to remove driveshaft bolts on Kenworth® semi-trucks
- 1/2" drive, 12-point, 18 mm, 6" long socket
- Manufactured from special steel with a higher alloy content
- Industrial finish helps protect against corrosion
- Precision machined and heat-treated for optimum strength and durability

S6230 1/2" Drive 6-Point SAE 15/16" Impact Socket

- Snap-on® sockets using the Flank Drive® wrenching system grip the fastener on the flanks/flats, delivering 15–25% more turning power
- Forged from tough alloy steel to increase safety and are heat-treated to a lower hardness to add impact resistance and ductility
- Designed for Autocar® and CCC®-style dump trucks and garbage trucks that use the 30/36 spring brake chamber made by MGM® Brakes added® to F450 on SRDM624
- When doing an emergency repair on the road or changing the diaphragm, the chamber needs to be caged before towing or disassembly
- Currently technicians are using a 15/16" wrench—this is time consuming and can be dangerous when servicing a broken down vehicle in traffic
- Length is designed to accommodate the very long threaded spring brake release stud assembly (release tool) in the brake chamber
- Standard deep 15/16" impact sockets are not long enough to fully engage the threads of the spring brake release stud assembly (release tool) in the spring brake chamber

SIML302 3/4" Drive 6-Point SAE 15/16" Flank Drive® Extra-Deep Impact Socket

- Flank Drive® wrenching configuration
- Special alloy steel combines strength and durability

SIMML343 Extra-Long Metric Impact Socket

- Used for removing and installing the lug nuts on Case® and International® combines

Impact Sockets

IM382CD 3/4" Drive 6-Point Metric 30 mm Flank Drive® Shallow Impact Socket

- Applications include 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 and M48A5); Combat Tank, Ft, 120 mm gun (M1A1)



IM382CD

IMFDL242 3/4" Drive 12-Point SAE 3/4" Flank Drive® Deep Thin Wall

Impact Socket

- Designed to remove the head bolts on Caterpillar® C12, C15, C16 and 3406E where the front two and back two head bolts are positioned under the valve covers
- Applications on certain Caterpillar® head bolts require a thin walled socket of 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-later)



IMFDL242

IMSLE242A 3/4" Drive E24 Inverted TORX® Impact Socket

- Applications include removal and installation of head bolts on MaxxForce® 11 and 13 engines found on D15 International® (2010-current)



IMSLE242A

IPRD20 1/2" Drive 12-Point SAE 5/8" Low Profile Swivel Impact Socket

- Snap-on® impact sockets are heat-treated to optimize impact service life with a lower hardness than hand sockets and are able to withstand repeated cycling loads of impact wrenches
- Flank Drive® wrenching system delivers up to 20% more turning power without slipping or rounding, while exceeding ANSI® performance standards
- 30° uninterrupted swivel action for greater accessibility in tight quarters, allowing for easier and faster removal of stubborn fasteners
- Used 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



IPRD20

S6116 1/2" Drive 6-Point Metric 16 mm Impact Socket

- Socket is 4" long for easier access to head bolts
- Manufactured from special steel with a high higher alloy content
- Industrial finish helps protect against corrosion



S6116

S6126 1/2" Drive Double Hex 3/4" Driveline Socket

- Socket is 6" long to easily reach driveshaft bolts
- Manufactured from special steel with a higher alloy content
- Industrial finish helps protect against corrosion



S6126

S6213 1/2" Drive 12-Point Metric 13 mm U-Joint Strap Bolt Impact Socket

- Used for removal of 13 mm U-joint strap bolts found on Volvo®, Mack® and other heavy-duty applications
- 8" long



S6213

S6220 C15 Impact Socket for Caterpillar® Engines

- Used on Caterpillar® C15 engine rocker stud bolts where the length and broach depth of the socket are critical for the application
- 1/2" drive, 6-point, 11/16", 3-1/4" long



S6220

S6221 Fuel Injector Adaptor Impact Socket

- Used for the removal and installation of the fuel injector adaptor from the high-pressure rail and for servicing the O-rings on Navistar® DT466/570, HT570 (DT9 and 10) engines
- Similar to the Navistar® OEM tool part number ZTSE4725
- 1/2" drive, 1-1/16" hex



S6221



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Check lug nut tightness with a torque wrench.
- Read Safety Precautions on pages W1-W4

HEAVY-DUTY TRUCK SERVICE TOOLS



SIMML180

Extra-Deep, mm

SIMML180 1/2" Drive 6-Point Metric 18 mm Flank Drive® Extra-Deep Impact Socket

- Applications include the removal and installation of 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



S6224



S6314



S6412



S6413



S6624



SIM462TW

Impact Sockets

S6224 1/2" Drive 6-Point SAE 3/4" 30/30 Air Brake Chamber Impact Socket

- Extra-long design allows for quick and safe removal of long-threaded brake release stud assemblies

S6314 Extra-Long Impact Socket

- 3-1/4" overall length

S6412 Drive Train Bolt Socket

- Removes drive train bolts on Ford® vehicles, Hino® 268 Box trucks, International® 4200 VT365 box trucks and 2007 Freightliner® M2 trucks

S6413 1/2" Drive 12-Point 13 mm Heavy-Duty Driveline Socket

- Designed to service heavy-duty diesel truck drivelines
- 1/2" drive, 12-point, 13 mm, 4-1/8" long

S6624 3/4" Drive 12-Point 24 mm Main Cap Bolt Socket

- For the removal and installation of the main cap bolts on 2007-later Detroit Diesel® DD13 and 15 engines
- Overall length (5-3/4") and square drive (3/4") of this socket are critical due to the torque rating for this application

SIM462TW 3/4" Drive 6-Point 1-7/16" SAE Deep Thin-Wall Impact Socket

- Designed to remove the lug nuts from Caterpillar® Model 793 mining trucks
- Thin-wall design accommodates easy removal of the 72 lug nuts spaced only 6 mm apart on each wheel



SIMDM212

Deep, mm

SIMDM212 3/4" Drive 12-Point Metric 21 mm Flank Drive® Deep Impact Socket

- Applications include flywheel bolts on Cummins® ISX engines

Impact Sockets

205RIPF 5 pc 3/8" Drive 6-Point SAE Low Profile Swivel Impact Socket Set

- Includes RIPF14C-RIPF20C and RIPF24C (7/16-5/8 and 3/4")
- Low-profile of swivel-end provides increased access to cramped front-end fasteners
- Sockets using the Flank Drive[®] wrenching system grip the fastener on the flanks/flats, delivering 15-25% more turning power
- Pin collar eliminated with new proprietary pin-welding process
- Laser-welded pivot pin reinforces socket wall and allows 30° of smooth, uninterrupted action for efficient power transfer at any angle and greater accessibility in tight quarters
- Designed to withstand today's high-torque impact guns for removing stubborn fasteners



205RIPF



RIPF18C

RIPF12C 3/8" Drive 6-Point SAE 3/8" Low Profile Swivel Impact Socket

RIPF14C 3/8" Drive 6-Point SAE 7/16" Low Profile Swivel Impact Socket

RIPF16C 3/8" Drive 6-Point SAE 1/2" Low Profile Swivel Impact Socket

RIPF18C 3/8" Drive 6-Point SAE 9/16" Low Profile Swivel Impact Socket

RIPF20C 3/8" Drive 6-Point SAE 5/8" Low Profile Swivel Impact Socket

RIPF22C 3/8" Drive 6-Point SAE 11/16" Low Profile Swivel Impact Socket

RIPF24C 3/8" Drive 6-Point SAE 3/4" Low Profile Swivel Impact Socket

Impact Sockets

S6240 3/4" Drive 6-Point SAE 1-1/4" Single Hex Deep Impact Socket

- Heavy-duty socket to service Blue Bird[®] busses and Hendrickson[®] type suspension U-Bolts



S6240

Slack Adjusters

BSA916[†] Slack Adjuster Wrench

- For brake service and slack adjuster installation on heavy-duty trucks equipped with Bendix[®] automatic slack adjusters
- Used 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 a protective vinyl boot

HSA716[†] Slack Adjuster Wrench

- For brake service and slack adjuster installation on heavy-duty trucks equipped with Haldex[®] automatic slack adjusters
- Used 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
- Protective vinyl boot helps to keep contaminants out of the ratchet mechanism for extended tool life



BSA916



HSA716

Special Application Sockets

IPSTML8 1/4" Drive 6-Point 8 mm Metric Deep-Flex Impact Socket

- Removes and installs glow plugs
- Designed with a retention O-ring that holds the glow plug in the socket while being installed or removed
- Removes and installs glow plugs on following vehicles: Ford[®] 2011-2012 F250[®]/F350[®] Super Duty[®] 6.7 L Power Stroke[®] Diesel 2011-2014 F450[®]/F550[®] Super Duty[®] 6.7 L Power Stroke[®] Diesel Dodge[®] 2007-2009 Dodge[®] Sprinter[®] Van; Jeep[®] 2007-2009 Grand Cherokee[®] Freightliner[®] 2007-2011 3.0 L V6 Diesel Sprinter[®] Van; Mercedes[®] 2007-2009 E320 3.0 L V6 Diesel, 2011 3.0 L V6 Diesel Sprinter[®] Van



IPSTML8



[†]These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages F1-F3 for details.
• Read Safety Precautions on pages W1-W4

HEAVY-DUTY TRUCK SERVICE TOOLS



FRDH81



GSRM430



PAR1820



S7102



SRD35



SRDM624

Torque Adaptor**FRDH81 3/8" Drive 12-Point SAE 1/4" Torque Adaptor**

- 176 in-lb working torque
- Precision-crafted from special alloy steel and heat-treated for optimum strength and durability
- Nickel-chrome finish helps protect against corrosion and makes it easy to wipe clean
- 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

GSRM430 1/2" Drive 6-Point Metric 30 mm Standard Torque Adaptor

- 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

PAR1820 46 mm Pitman Torque Adaptor

- Used to service and replace pitman arms on 2010 and later Ford®, GM®, Dodge® and other full sized trucks
- Adaptor is specially designed to clear the steering box housing and other obstacles
- Works on both factory pitman arms as well as aftermarket drop-style pitman arms that are installed on trucks with lift kits
- Proper torque specs with equation included on insert card

Valve Adjusters**S6205 Valve Adjuster Socket**

- See-through window in the 14 mm socket allows the technician to see the position of the 5 mm hex blade
- Faster valve adjustment time
- Sized for low clearance
- Soft grip handle
- Applications include 2002-later Mercedes-Benz® 900 series diesel engines and 2002-later trucks and buses

VAT930 Diesel Valve Adjustment Tool 15 mm/7 mm

- Two-in-one tool features a window in the socket allowing the technician to see the position of the nut driver holding the adjustment screw as the jam nut is tightened
- Unique handle pivots from one side to the other so the window is always visible
- Made from heat-treated 4140 steel, the tool is strong enough to handle the high breaking torque required after long service intervals
- Multi-functional design frees up one hand for feeler gauge operation



S6205



VAT930



VAT940

YAB880-3

S7102 3/8" Square Drive Metric 30 mm Torque Adaptor

- Unique design allows fuel pressure regulator on 6.7 L Ford® diesel engines to be removed by clearing fuel rail with no interference from steering column

SRD35 3/4" Drive Diesel Head Bolt Torque Adaptor

- Eliminates the need to remove the truck/van cab from the chassis to access the rear head bolts, saving the technician time and preventing damage to the rear heat shield
- When coupled with an SM18, 18 mm socket, 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 evaporator housing, saving two hours of time and the additional cost of refrigerant added during air conditioning recharging
- 3/4" square drive, 3-1/2" center-to-center length, 4-7/8" overall length

SRDM624 1/2" Drive 12-Point Metric 24 mm Torque Adaptor

- Services the rear brake caliper mounting bracket assembly on 2007 Ford® F-450®/F-550® trucks
- Tool fits between the bracket bolt and frame to allow the use of a torque wrench to properly torque the bracket bolts
- 1/2" square drive, 12-point, 24 mm, 6" center-to-center length, 7-7/32" long

VAT940 Diesel Valve Adjustment Tool 15 mm/Flat

- Two-in-one tool features a window in the socket allowing the technician to see the position of the screwdriver blade holding the adjustment screw as it is tightened
- Unique handle pivots from one side to the other so the window is always visible
- Made from heat-treated 4140 steel, the tool is strong enough to handle the high breaking torque required after long service intervals
- Multi-functional tool design frees up one hand for feeler gauge operation

YAB880-3 Wire Handle with Grip

- Handle with slip cover—clips into the tool and pivots from one side to the other so the socket "window" is always visible

Hand Sockets

- Essential for removing motorcycle front wheels
- Use torque wrench for axle torque specs
- Use breaker bar to remove difficult fasteners

HXD22 1/2" Drive External Hex 22 mm Socket

- Applications: 2002 and later Kawasaki® motorcycles; 2002 and later Honda® motorcycles; 2002 and later Triumph® motorcycles

HXD24 1/2" Drive External Hex 24 mm Socket

- Applications: Suzuki® motorcycles (1300GSXR and 1000GSXR); Hayabusa® motorcycles (various models)

SAM12LE 1/2" Drive Metric 12 mm Long Hex Bit Socket Driver

- 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

TUA6E 1/4" Drive 3/16" Stubby Flex Hex Bit Socket

- Precision machined and heat-treated for optimum strength and durability
- Replacement Bit – TMAXS6E2



Special Application

- Spark plug extends through the socket for access in tight quarters
- Patented tapered hex design securely retains the spark plug in the socket without a rubber insert or magnet
- Patented diamond wedge design with six wedges equally aligns the spark plug in the center to avoid damage to the porcelain
- Spark plug is easily disengaged from the socket by applying gentle side pressure to break the contact
- 5/8" offset spark plug socket for limited-access situations
- Side through-hole for secure extension retention
- Spark plug socket is cold formed for extended tool life
- Low-profile socket easily reaches spark plugs without interference from custom exhausts or chassis

S9704RHS 3/8" Drive 6-Point SAE 13/16" Flank Drive® Low-Profile Spark Plug Socket

- Knurled surface for finger tightening and removal

S9724RHS 3/8" Drive 6-Point SAE 5/8" Flank Drive® Low-Profile Spark Plug Socket



S9704RHS



S9724RHS

Motorcycle Service Equipment

EEPV503¹ Motorcycle Compression Gauge Set

- Tests motorcycles and recreational vehicles with hard-to-access spark plug ports
- Gauge assembly includes a 2-3/4" dia. gauge and 18" flexible hose with a quick coupler
- Includes EEPV5G10L, EEPV5G12L and EEPV5G14L



EEPV503

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



- Read and follow safety messages in Instructions.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P3 for details.
- Read Safety Precautions on pages W1-W4.

MOTORCYCLE SERVICE TOOLS



HDM1236

Adjusting Tools

HDM1236 Axle Nut Torque Adaptor for Harley-Davidson® Motorcycles

- Allows adjustment of the drive belt on certain Harley-Davidson® models without removing the saddlebags, exhaust pipes, or other parts and accessories
- 1/2" square drive, 36 mm wrench
- Center-to-center length is stamped on the adaptor for easy torque calculation



HD6529

HD6529[†] Ratcheting Hex Wrench (Blue-Point®)

- Reversible ratchet lever is conveniently located for one-hand operation
- 3/16" hex bit is easily replaced if damaged
- Low-profile design for extra clearance between the 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

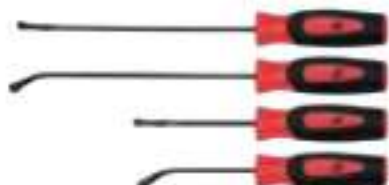


OFHD

Funnels/Spouts

OFHD Oil Filler for Harley-Davidson® Motorcycles

- Allows access to the fuel filter and pump as the lock ring is connected to the pump
- Oil filter 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



SGSR104AR

General Service Tools

SGSR104AR 4 pc Instinct® Soft Grip Seal Removal Tool 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
- SGSR1AR–SGSR4AR (4 pc) in a storage tray



YA173B

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

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
- For use with air lines only—do not use on inflators



TPCLRA

TPCLRA[†] Right Angle Air Chuck

- Low-profile right-angle design easily accesses hard-to-reach valve stems
- Ideal for motorcycles and ATV tires
- Closed chuck for use on live air lines
- 175 PSI maximum working pressure
- Durable brass body with a plated finish
- 1/4" FNPT

General Service Tools

A15A 1/2" Drive 1-3/16" Blade Width Drag Link Socket

- Applications include usage on the engine oil drain plug and rear differential drain plug on Kawasaki® UN1500, UN1600 and UN2000 motorcycles

CPT110A 3/8" Drive 6-Point Metric 17 mm VW® Transmission Drain Plug Socket

- For use on VW® transmission drain plugs
- Additional applications include removing the front wheels on Triumph® Daytona® and America motorcycles

GF22 3/8" Drive 11/16" Blade Width Drag Link Socket

- Applications include use on the engine oil fill cap on Kawasaki® UN1500, UN1600 and UN2000 motorcycles

MT125A Self-Powered Timing Light (Blue-Point®)

- 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
- On/Off switch is located within thumb's reach
- Maximum 2,000 RPM

S7100 1/2" Drive 1-3/4" Compensator Holder Harley-Davidson®

- Use with 1/2" breaker bar to hold Harley-Davidson® compensator sprocket for removing or installing center bolt
- Single person operation when utilizing tool as described
- Tool allows for proper torque application during installation, and impacting during removal of center bolt
- 1-3/4" single hex, 1/2" square drive

TA358 3/8" Square Drive Torque Angle Gauge

- Determines angle controlled torque tightening
- Allows user to follow manufacturer's specifications
- Used on automotive, diesel and industrial equipment, plus head bolts and rod bolts on motorcycles
- 1/4" FNPT

VT1B Valve Stem Puller

- Vinyl spacer protects rims
- Simplifies inserting any tubeless tire valve
- Swivel head screws onto the cap thread of the tire valve
- Handle is used as a lever to pull the tire valve into the rim hole



A15A



CPT110A



MT125A



TA358



S7100



VT1B

Service Set

CYCLESET 33 pc Motorcycle Tool Set

- Services most US-manufactured motorcycles from battery service, cable and clutch adjustments, to gas tank and seat removal—covers roadside maintenance and emergency repairs
- Includes (1) gap gauge, (1) 3/8" drive 6-point SAE 13/16" shallow spark plug socket, (1) 1/4" internal drive x 3/8" external drive adaptor, (1) 1/4" drive 4" knurled extension, (6) 1/4" drive 6-point SAE shallow sockets (9/16, 1/4, 5/16, 3/8, 7/16 and 1/2"), (1) 1/4" drive sliding T-handle, (1) 12-point metric 10 mm short combination wrench, (2) 1/4" hex flat tip power bits, (1) 1/4" hex PHILLIPS® #2 power bit, (5) 1/4" hex TORX® power bits (T15, T20, T25 and T30), (2) 5/16" TORX® insert bits (T40 and T45), (5) 1/4" hex SAE power bits (1/8, 5/32, 3/16, 7/32 and 1/4"), (2) 5/16" hex SAE power bits (5/16 and 3/8"), (1) 1/4" drive magnetic bit socket, (1) 3/8" drive 6-point SAE 5/8" standard retention spark plug socket, (1) 8" adjustable wrench and (1) 1/4" drive standard ratchet
- Includes a kit bag



CYCLESET

- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Wear safety goggles laser and bystanders.
- Read and follow safety messages in the instructions.
- Do not use in environments with explosive vapor.
- †These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4



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.



Wire Twister/Cutters

Stock No.	Description (Chart)	Overall Length, inches	Wire Capacity, inches	Wire Retainer
GA311C ²	Wide range of applications	10-1/2	.060	No
PR311 ²	Similar to GA311C, but not spring loaded. Right-hand only with manual return.	10-1/2	.060	No
WTR1A ¹	Reversible Wire Twister/Cutters	8-3/4	.041	No
WTS6 ¹	Reversible Wire Twister	8-3/4	.041	Yes
WTRW6A ²	Reversible Wire Twister/Cutters	8-3/4	.041	Yes
WTG8A	Reversible Wire Twister	8	.015-.031	Yes
WTRW9 ¹	Reversible Cushion Throat Wire Twister/Cutter	11	.02-.08	Yes
WTG10A	Reversible Wire Twister	10-1/2	.031-.039	Yes
WT11D ¹	Small size for use in tight quarters	8-1/2	.041	No



WT105-2004



WT105-2016

Safety Wire

Stock No.	Wire Size, inches (mm)	Wire Length, feet (meters)	Container
WT105-2004 ¹	.020 (.51)	230 (70)	1/4 lb Spool
WT105-2016 ²	.020 (.51)	631 (206)	1 lb Canister
WT105-2516 ²	.025 (.64)	599 (183)	1 lb Canister
WT105-3204 ¹	.032 (.81)	90 (27)	1/4 lb Spool
WT105-3216 ²	.032 (.81)	368 (112)	1 lb Canister
WT105-4116 ²	.041 (1)	223 (68)	1 lb Canister
WT105-4204 ¹	.041 (1)	55 (17)	1/4 lb Spool
WT105-5116 ²	.051 (1.3)	144 (44)	1 lb Canister

AVIATION: SPECIALTY SERVICE TOOLS



AOCO1



AOFW2

Aircraft Oil Filter Wrenches

AOCO1¹ 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, non-slip design is pocket size and can be attached to a key ring

AOFW2² Aviation Oil Filter Wrench

- Oil filter wrench can be used for the installation and removal of 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
- Refer to the Snap-on[®] SS306G Torque Chart for formula to obtain the correct applied torque



AFPW38



AVPW716

Aircraft Vacuum/Fuel Pump Wrenches

AFPW38 Aircraft Fuel Pump Wrench

- Small crowfoot for removal and installation of 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

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[®]; M[®] 20 series, M[®] 200 series, Ovation, Acclaim Beechcraft[®]; Bonanza[®], Duchess, Baron[®], Cirrus[®]; SR20 and SR22 aircraft

Torque Adaptors, mm (1/4" Drive)

- Manufactured from special alloy steel
- Precision forged and heat-treated for optimum strength and durability
- 12-point double hex allows the socket to engage single hex fastener every 30° rather than every 60°, allowing for better access in restricted areas
- 1" center-to-center length on adaptor for easy torque calculations
- Design features radius edges that resist damage/nicks

mm	Stock No.	A	B	C	D	E
6	TRDHM6***	9.5	11.9	6.6	6.6	25.4
7	TRDHM7**	9.5	11.9	6.6	6.8	25.4
8	TRDHM8**	9.5	11.9	6.6	6.8	25.4

*For applications involving AS350/355 Airbus® helicopters (formerly Eurocopter) known as A-Star® and Twin-Star helicopters in North America

**Used attached to a torque wrench on a hard-to-reach fastener



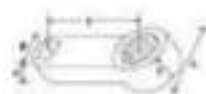
TRDHM6

- TRDHM6 1/4" Drive 12-Point Metric 6 mm Torque Adaptor
- TRDHM7 1/4" Drive 12-Point Metric 7 mm Torque Adaptor
- TRDHM8 1/4" Drive 12-Point Metric 8 mm Torque Adaptor

Torque Adaptors, SAE (1/4" Drive)

- 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
- Center-to-center length on adaptor for easy torque calculations

SAE	Stock No.	A	B	C	D	E
5/16	TRDHL101	1/2 (12.7)	15/32 (11.91)	1/8 (3.18)	17/64 (6.75)	2 (50.8)
5/16	TRDHL101	1/2 (12.7)	15/32 (11.91)	17/64 (6.75)	17/64 (6.75)	2 (50.8)
3/8	TRDHL121	3/8 (9.52)	15/32 (11.91)	17/64 (6.75)	17/64 (6.75)	2 (50.8)
7/8	TRDHL341	43/64 (12.3)	15/32 (11.91)	17/64 (6.75)	17/64 (6.75)	2 (50.8)
1/4	TRDHL81	13/32 (10.32)	15/32 (11.91)	17/64 (6.75)	17/64 (6.75)	2 (50.8)



TRDHL121

Torque Adaptor

FTA35 3/8" Drive Female/Male Torque Adaptor

- Used with a socket and torque wrench to reach and properly torque fasteners in hard-to-access areas
- 3-1/2" length measured center to center

STA35 1/2" Drive Female/Male Torque Adaptor

TTA35 1/4" Drive Female/Male Torque Adaptor



FTA35



STA35



TTA35

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 clamps

- Competitive sockets only work on one size and have a rubber O-ring that can cause an FOD issue
- 1/4" square drive



AHCS1

Fan Bolt Impact Socket

SAE	Stock No.	A	B	C	D	E
3/4	IMTSX29	1-3/8	1-5/8	1	2	5/16

IMTSX29 External Torq® Impact Socket

- Used on fan bolts found on Rolls Royce® engines used on Airbus® A380® jets



IMTSX29



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Wear safety goggles.
- Do not use on live electrical circuits.
- These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages F1-F2 for details.
- Read Safety Precautions on pages W1-W4.

AVIATION SPECIALTY SERVICE TOOLS



Deep Throw Speeder

N8323 1/2" Drive 32-7/8" Deep Throw Speeder Drive Handle

- Used on military aircraft to manually fold wings and lower landing gear



LH100



755121-1



LGSW125

Aircraft Landing Gear Tools

- 1/2" driver deep throw speeder with pinned universal and ratchet adaptor
- LH100 and 755121 are required to be on board a C-130[®] aircraft before it can leave the ground

LH100 Ratchet Spline Boxsocket Assembly

- Extended-reach 1/2" drive ratchet with a pinned spline socket on one end and a box end spline wrench on the other

755121-1 1/2" Drive 23-7/8" Ratchet Adaptor Deep Throw Speeder

- 1/2" driver deep throw speeder with pinned universal and ratchet adaptor

LGSW125⁺ Landing Gear Socket Wrench

- Used to remove and replace the landing gear harness through-bolt on Embraer[®] 190 aircraft
- 1-1/4" deep well socket with 1/4" slit cut allows the speed cable to pass through
- 3/8" square drive allows the torque wrench to torque the nut to 80 in-lb
- Flex-head and overall length is 11-1/2"



Cushion-Throat Cutters

- Urethane insert in jaws captures clipped material, reducing the likelihood of work environment contamination
- Retention of wire clippings enhances worker safety by preventing projectile material from being scattered throughout the worksite
- Handles are designed for comfort and deliver the leverage needed to tackle the most demanding jobs
- Quality forged steel ensures tools will provide years of service
- Fluorescent urethane formula helps reduce the potential of leaving the tool behind—just shine a UV light on the head of the cutter to activate its illuminating effect



84CFCTA



86ACFCT



P8715OACT



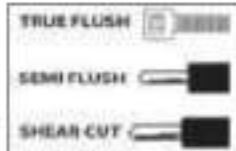
388ACFCT

Stock No.	Description	A	B	C
84CFCTA	Cushion Throat Diagonal Cutter	Bowed	3/8	4-3/4
86ACFCT	Cushion Throat Diagonal Cutter	Bowed	3/4	8-5/16
P8715OACT	Cushion Throat 5" Oval Cutter—True Flush Cut	Bowed	17/32	5-3/16
388ACFCT	8" High-Leverage Cushion Throat Diagonal Cutter	Bowed	1-1/16	8-5/16

True Flush: Blades cut stranded wire ends and zip tie ends flat, allowing protruding 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



AVIATION SPECIALTY SERVICE TOOLS

Spline, Low-Profile, inches

- Precision crafted from special alloy steel and heat treated for optimum strength and durability
- Nickel-chrome finish helps protect against corrosion and makes it easy to wipe clean
- Unique spline wrenching configuration can be used on ordinary 6- and 12-point fasteners
- Ideal for use with torque wrenches
- Will save time and avoid clearance issues when working on propeller assemblies
- Works on a wide variety of Lycoming® and Continental® engines used in Piper®, Cessna® and Mooney® aircraft

Stock No.	A	B	C	D	E
FRESL14	3/4 (19.05)	3/4 (19.05)	3/16 (4.76)	7/16 (11.11)	2 (50.8)
FRESL16	25/32 (19.84)	3/4 (19.05)	3/16 (4.76)	7/16 (11.11)	2 (50.8)
FRESL18	13/16 (20.64)	3/4 (19.05)	3/16 (4.76)	7/16 (11.11)	2 (50.8)
FRESL20	29/32 (22.8)	47/64 (18.8)	3/16 (4.7)	7/16 (10.9)	2 (50.8)
FRESL22	1 (25.1)	47/64 (18.8)	3/16 (4.7)	7/16 (10.9)	2 (50.8)
FRESL24	1-5/64 (50.2)	3/4 (19.05)	7/16 (11.11)	3/16 (4.76)	2 (50.8)
FRESL28	1-1/4 (31.75)	3/4 (19.05)	7/16 (11.11)	3/16 (4.76)	2 (50.8)
FRESL30	1-5/16 (33.9)	47/64 (18.8)	3/16 (4.7)	7/16 (10.9)	2 (50.8)



FRESL14



FRESL20



FRESL30

HI-LOK® Fastener Ratchets

Stock No.	Square Drive, inches	Gear Teeth	Swing Arc	A	B	C
FCY72	3/8	72	5	7/16	10/16	4-5/8
TFY72	1/4	72	5	7/16	15/16	6-1/4
TY72	1/4	72	5	7/16	15/16	4-5/8

ASME B107.10



FCY72



TFY72



TY72

OIL AND GAS SERVICE TOOLS



APW10VLV



ATSK3621



GADW8VLV



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 the valves

ATSK3621 Hex-to-Square Adaptor

- 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

GADW8VLV 8-1/2" Adjustable Valve Persuader Wrench

- Two tools combined into one convenient operator's tool that can be used wherever valves are adjusted for flow and pressure
- 8-1/2" overall length supplies leverage while being compact enough to be easily carried
- Adjustable wrench has large, 1-1/2" capacity
- 3/4" valve wheel wrench opening
- Precision hardened and anti-corrosion treated
- Easy-to-read size measurement scale: SAE on one side, metric on the other

GADW10VLV 10" Adjustable Valve Persuader Wrench

- 10" overall length supplies leverage while compact size allows for easy carrying
- Adjustable wrench has large, 1-3/4" capacity

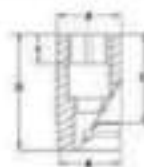


- Plastic/rubber handle does not protect against electric shock.
- Frequently inspect, clean, and lubricate all non-sealed ratchet mechanisms with light oil.
- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages F1-P2 for details.
- Read Safety Precautions on pages W1-W4

OIL AND GAS SERVICE TOOLS



IM632BC1.5



Shallow, Single Square Impact Sockets, inches

• This "end effector" socket is used in the manufacturing of subsea and surface wellhead equipment in the oil and gas industries

	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	IM732BC1.5	1	2-1/8	2-1/8	—	2-3/4	3/4
1-1/2	IM748BC1.5	1	2-7/8	2-3/8	1-5/8	3-1/2	7/8
1.66	IM793.1BC1.5	1	1-15/16	2-3/8	—	3-1/2	1-1/16





OG2824



OG2828

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
- Retaining Ring holds the socket onto the 7/8" part of the XO2830 wrench, as the sockets have a 7/8" male hex

		External Hex, inches	Style
3/4	OG2824	7/8	12-Point
7/8	OG2828	7/8	12-Point

RAILROAD SERVICE TOOLS




N8842



N8741

Track Bolt and Frog Bolt Sockets, inches

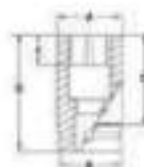
	Stock No.	Drive Size, inches
1-11/16	N8834	1
1-13/16	N8835	1
1-5/8	N8842	1
1-7/16	SIM746NT	1
2-3/16	N8741	1

N8741 Frog Bolt Socket


- 1" drive socket is used primarily for Frog bolt applications



N8913



Side Bearing Cage Socket

	Stock No.	Drive Size, inches	A	B	C	D	E
E20	N8913	3/4	1-5/32	1-5/8	3/4	1-3/4	1/2

N8913 3/4" Drive E20 TORX® Side Bearing Cage Socket

- 3/4" drive E20 TORX® socket services the break-off portion of the side bearing cage bolt
- Used for installation of shear type E20 bolt during alignment of suspensions on Hendrickson® trailers

RAILROAD SERVICE TOOLS

GENERAL HAND TOOLS

Railroad Wrenches

	Stock No.	B	D	E
13/16-7/8"	GVO2628TH.20	1-11/16-1-13/16	7/32	10

GVO2628TH.20 Open-End 1-11/16-1-13/16" Railroad Wrench

- Used on railroad auxiliary generator coupler nuts (EMD locomotives)

M4431B Car Yard Inspector Wrench

- Tightens air brake external nuts and cover screws
- Incorporates (4) 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 the wrench is 10-3/8" long
- Open end portion of the wrench is 6-1/4" long



Railroad Torque Socket

	Stock No.	A	B	C	D	E
3/4"	SIMDTSA402	2	1-21/32	3-1/2	5-7/16	13/16

SIMDTSA402 Railroad Torque Socket

- Allows operators to use angle torque to obtain proper torque on AH traction motor gearcase bolts when applying to new gearcases or replacing broken gearcase bolts



Lag Screw Sockets, inches

	Stock No.	A	B	C	D	E
1-1/8 x 7/8	5703747UPA	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

5703747UPA Rectangular Head Lag 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®, UP®RR, KCS, CP Rail System® and CN® Rail)
- The opening is 1-1/8 x 7/8" with a 1" square drive and can be used on an impact wrench

IM728NT Lag Screw Socket

- 1" drive, 1" square

IM736NT Lag Screw Socket

- 1" drive, 1-1/8" square



Manual Nut Splitter

Stock No.	Description
NC52	Manual Nut Splitter
NC52-3	Extra Cutter
NC52-4A	Anti

NC52 Manual Nut Splitter

- Used for splitting nuts up to 3/4" across the flats
- Bar acts as a handle to hold the tool securely



- Do not use chrome or industrial finish hand tools with power drivers or impact drivers.
- Read Safety Precautions on pages W1-W4