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INDUSTRY LEADING PRODUCTS



TOOL STORAGE M7530PDP - PAGE 24

A Mac Tools® toolbox can withstand years of tough use and daily wear and tear. When professional mechanics want a product that says they are the best, that radiates quality beyond expectations, they turn to the MACSIMIZER® series of Mac Tools® toolboxes. Known for their sleek and durable design.

HAND TOOLS SD81206-5 - PAGE 249

Mac Tools® offers a complete line of professional quality hand tools designed with the toughest jobs in mind. Quality and innovation are the key ingredients engineered into every Mac Tools® hand tool. We are constantly evaluating our hand tools to make sure they perform to the highest standards under the most extreme conditions.



POWER TOOLSMCF891 - PAGE 373

Backed by the engineering of a Global Power Tool team, Mac Tools® offers a family of cordless and air powered impact wrenches with industry-leading power and technology. Mac Tools® is committed to the development of exclusive power tools that are only available on a Mac Tools® truck.



Mac Tools® has the power of Stanley Black & Decker®, Inc. behind us allowing us to be stronger than ever. Mac Tools® has a focus on innovative, first-to-market tools that are exclusive and only available on a Mac Tools® Truck. Also, as a Mac Tools® Franchisee, you will have access to great brands such as DEWALT®, Stanley®, Vidmar®, PROTO®, Lista®, and more.



DIAGNOSTICS ET9200ADV - PAGE 504

We provide affordable, easy-to-use scan tools which meet the needs of the professional technician. The Mac Tools® broad line of multi-meters and diagnostic equipment will ease the hours spent troubleshooting. Having the right tool not only saves time and money, it reduces the complexity of fixing today's vehicles.

SHOP EQUIPMENT MWB338FMD PAGE 589

Mac Tools® shop equipment and shop support products are built to meet rigid ANSI specifications. From our full line of creepers to our service jacks and shop presses, Mac Tools® shop equipment is made to last. We also offer a complete variety of shop support products including gloves, safety eye wear and lights.

SPECIALTY TOOLS

TD200 - PAGE 714 **GP107** - PAGE 735

Variety is what you will find in our Specialty Tools section. We feature tools that help keep engine, exhaust, battery, air conditioning and fuel systems operating smoothly. Mac Tools® also offers a selection of fuel injection pressure test kits and fittings for virtually every application.





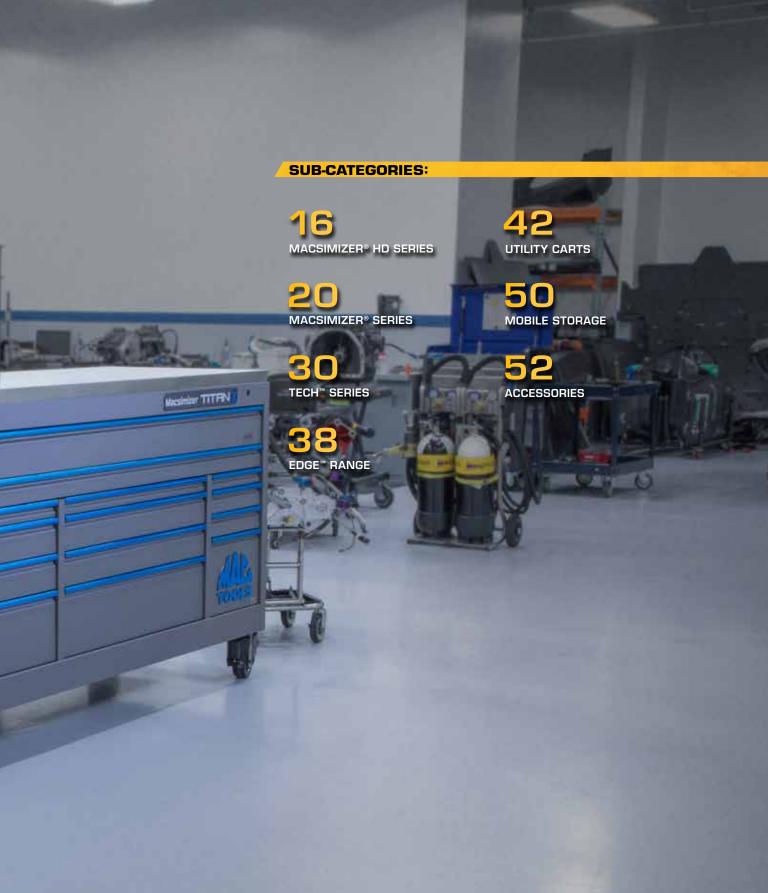
















HEAVY-DUTY USERS

Unique strength and features for demanding applications

MEETING YOUR NEEDS

Finding the right balance of features regardless of where you are in your professional career has never been easier.

We offer a variety of configurations within the MACSIMIZER® HD, MACSIMIZER®, TECH™ and EDGE™ range of tool storage to enable you to find the right toolbox that meets your needs.

		RUCTIO	
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CABINET WIDTH

CABINET DEPTH

SLIDE LOAD CAPACITY

DRAWER PULLS

BADGES

FRONT FACING POWER

DRAWER DETENT

DRAWER LOCKING SYSTEM

CASTER SIZE

CASTER LOAD CAPACITY

CASTER LOCK

WORK SURFACES

NUMBER OF COLORS

MADE-TO-ORDER CUSTOMIZATION

POWERTECH™ DRAWER

19, 16, & 14 Gauge Steel

29"

440 Lbs.

Aluminum w/ Dynamic Handle Latch

Silver Standard

None

Dynamic Handle Latch

Tubular

6" Spring-Loaded RollX"

2,000 Lbs.

iLock® Brakes

Stainless Steel (Included on Workstation)

None



MACSIMIZER®

SEASONED PROFESSIONAL

Highest level of technology and features for the most experienced technicians

14 Gauge Steel

59", 66", 75", 88", 144"

27" and 30"

200 / 400 Lbs.

Aluminum (with Anodized Options)

Black / Silver Standard (Color Optional)

Standard

Adjustable - 12 - 24 lbs.

Tubular

6" Spring-Loaded RollX™

2,000 Lbs.

iLock® Brakes

Stainless Steel, Line-X®, Butcher Block

14 Colors

Full Customization

Optional

TECH THE

SKILLED SPECIALIST

Balanced set of technology and features for professional technicians

16 Gauge Steel

34", 50", 67"

25"

125 / 250 Lbs.

Aluminum (with Anodized Options)

Black / Silver Standard (Color Optional)

Standard

Adjustable - 12 - 24 lbs.

Tubular

6" RollX™

1,200 Lbs

iLock® Brakes

Stainless Steel, Line-X®, Butcher Block

14 Colors

Full Customization

Optiona

EDGE

JUNIOR JOURNEYMAN

Select set of technology and features for the entry-level technicians

18 Gauge Steel

27", 41", 54"

22"

125 / 200 Lbs. Soft-Close

Aluminum (with Anodized Options)

5-Standard Color Options

None

Fixed - Soft Close

Tubular

6" x 2" Poly

1000 Lbs.

Side Lock Brakes

Line-X® (Optional)

5 Trim Options / Single Cab Color

Standard Options

None

CUSTONIZATION OPTIONS PRODUCT NUMBERS AND NAMING

SERIES BOX BOX VARIANT COLOR

SERIES

- MHD = MACSIMIZER® HD SERIES
 - M = MACSIMIZER® SERIES
 - T = TECH™ SERIES
 - E = EDGE™ RANGE
 - UC = UTILITY CARTS

VARIANT

- **P** = FRONT FACING POWER
- **PDP** = FRONT FACING POWER, AND POWER DRAWER
 - **PD** = POWERTECH™ DRAWER

AVAILABLE COLORS

- -RD = FIREBRICK RED
- -BL = SAPPHIRE BLUE
- -GY = MICA GRAY
- -CG = CARBON GRAY (MATTE)
- -BK = GALAXY BLACK
- -WT = TITANIUM WHITE
- -YE = SUNBURST YELLOW
- -OR = FIREBALL ORANGE
- **-LG** = LIME GREEN
- · -FB = FLAT BLACK (MATTE)
- -OG = OLIVE GREEN (MATTE)
- -DT = DESERT TAN (MATTE)
- -DB = DEEP BLUE
- -CU = COPPER

ADD-ON CODES

- **TH** = TOP HUTCH
- **THP** = TOP HUTCH WITH POWER
- TC = TOP CHEST
- **STC** = SIDE TOP CHEST
- **SB** = SIDE BOX
- SC = SIDE CABINET
- **TSC** = TOP SIDE CABINET
- **BOOK** = BOOK CASE
- **BBTOP** = BUTCHER BLOCK
 - WORK SURFACE
- **LNXTOP** = LINE-X®
 - WORK SURFACE
- **SSTOP** = STAINLESS STEEL
 - WORK SURFACE
- **TOPMAT** = VINYL TOP MAT
- **DRWLINER** = DRAWER LINER KIT



STANDARD POWDER COAT COLORS



COLORS STANDARD WITH SILVER TRIM (EXCEPT EDGE)



SAPPHIRE BLUE

MICA GRAY

CARBON **GRAY**

GALAXY BLACK

DEEP BLUE

TOOL STORAGE



COLORS STANDARD WITH BLACK TRIM



SUNBURST YELLOW

FIREBALL ORANGE (-OR)

LIME GREEN

FLAT BLACK

OLIVE GREEN DESERT TAN (-DT)

COPPER

DRAWER PULLS AND BADGING



RED





GREEN



BLUE







are only applicable to MTO-eligible products

MACSIMIZER®HD SERIES OVERVIEW

Macsimizer HD is the heavy-duty line of professional tool storage for those who need uncompromised strength. The modular design allows the user to expand and customize their Macsimizer HD setup with the addition of the optional hutch, side boxes, and cabinets.

Technicians specializing in large equipment and other demanding applications will appreciate the industrial roller drawer slides with 440lbs. capacity per drawer (8,000lbs total workstation capacity), standard stainless steel worksurface, and PowerTech drawer with repositionable tool holders.

The hutch is equipped with stainless steel pegboard, parts bin holders, integrated motion-sensitive LED lighting, dual power strips, and more.

> **POWER STRIP IN EACH CORNER** (4XAC / 2XUSB EACH)

INTEGRATED LED LIGHTING WITH 3 LIGHT BARS AND MOTION-SENSOR CONTROLLER

LOUVERED MOUNTING POINTS FOR STANDARD PARTS BINS

AAL

MOUNTING POINTS FOR OPTIONAL MONITOR ARMS



POWERTECH DRAWER WITH 4 REPOSITIONABLE TOOL HOLDERS



11/14 GS 11/17 TER® HID 29" DEEP WORKSTATIONS



The tools on these pages have been PROUDLY MADE IN THE USA with global components.



MHD5629THP

HUTCH WITH
INTERNAL POWER STRIPS
AND LED LIGHTING



MHD5629PD

11-DRAWER
WORKSTATION WITH
POWERTECH™ DRAWER

	CAB	INET		
28-1/2" Depth for Maximum Storage Space		Chemical Resistant Pow	der Coating in Special Colors	
56" Width, Expandable with Optional Side Units		Seamless 78" and 100"	Worksurfaces Available	
50-3/4" Overall Height (Including Casters)		18ga 304 Stainless Ste	el Worksurface (Included)	
	DRA	AWERS		
All Drawers Slotted for Dividers and Partitions (Starter Set of Dividers Included)		 Power Drawer with AC outlets for Battery and Peripheral Charging. Includes Four Power Tool Holders 		
Drawer Pulls with Dynamic Handle Latch System		Premium Exxon® Santoprene™ Drawer Liners included for Every Drawer		
CASTERS	SEC	URITY	DRAWER SLIDES	
6" RollX™ Spring Loaded Casters	UniKey® Tubular Lock can	be Keyed-alike for Add-Ons	Industrial Roller Drawer Slides - No Ball Bearings or Grease, Maintenance Free	
iLock® Top Brake System			440 Lbs. Capacity Per Drawer (8,000 Lbs. Total Workstation Capacity)	
2,000 Lbs. Weight Capacity Per Caster				



MHDTSC29
TOP SIDE CABINET WITH
2 MOVABLE PULL-OUT TRAYS



MHDSTC29 7-DRAWER TOP SIDE CHEST



MHDSB29 7-DRAWER LOWER SIDE BOX



MHDSC29 LOWER SIDE CABINET WITH 3 MOVABLE PULL-OUT TRAYS

PRODUCT #	DESCRIPTION	DRAWERS	OVERALL DIMENSIONS W x H x D (IN.)	CU IN.	POWERTECH™ Drawer
MHD5629THP	Top Hutch	-	56" x 25-1/2" x 28-1/2"	35,705	
MHDSTC29	Top Side Chest	7	22-1/4" x 27-1/2" x 28-1/2"	24,927	
MHDTSC29	Top Side Cabinet	-	22-1/4" x 27-1/2" x 28-1/2"	46,288	
MHD5629PD	Workstation	11	56-1/4" x 50-3/4" x 28-1/2"	36,376	•
MHDSB29	Lower Side Box	7	22" x 49-1/4" x 28-1/2"	42,482	
MHDSC29	Lower Side Cabinet	-	22" x 49-1/4" x 28-1/2"	42,482	



MACTOOLS.COM

MHD-PD-HOLSTER
POWERTECH™ DRAWER
REPOSITIONABLE
TOOL HOLDER



IVIACSIVIZER® TITAN™ OVERVIEW

The MACSIMIZER® Titan™ is the most premium and largest roller cabinet in the Mac Tools® line of tool boxes. At just over 144" long and 30" deep, the Titan™ offers 6-banks of drawers, a 12,000 lbs capacity, and can be fully configured to suit the needs of a master technician.

With 200/400 lbs. drawer capacities, six 1-ton spring-loaded casters, two PowerTECHTM Drawers, front-facing power and a Stainless Steel or Line-X® worksurface as standard features, the Titan $^{\text{TM}}$ has the most standard features of any premium box in the market.

Designed to be customized, the Titan™ series boxes are made-to-order in any Mac Tools® powder coat color, 7-anodized trim options, and customizable drawer configurations.

FRONT FACING POWER STRIP

DUAL POWERTECH"
DRAWER

MTO-M14430PDP

28-DRAWER WORKSTATION WITH DUAL POWERTECH™ DRAWERS



 PRODUCT #
 DESCRIPTION
 DRAWERS
 OVERALL DIMENSIONS Windows High DIMENSIONS Windows High Disables High Drawers
 VOLUME CUIN.
 POWER STRIP DRAWER

 MTO-M14430PDP
 Workstation
 28
 144" x 46-3/8" x 30"
 84,964
 ●
 2

MADE TO ORDER ONLY ITEM THOUGH LOCAL DISTRIBUTOR

> BALL-BEARING DRAWER SLIDES

Roll-X is an Algood Casters t



The tools on these pages have been **PROUDLY MADE IN THE USA** with global components.

STAINLESS STEEL WORK SURFACE

OR

LINE-X® WORK SURFACE

FULL-WIDTH ALUMINUM EXTRUDED DRAWER PULLS

RECESSED DOUBLE-WALL DRAWER FRONT

Macsimizer TITRN 7

HEAVY-DUTY 6" ROLLX™ CASTERS

POWER S

MACSINIZER® SERIES OVERVIEW

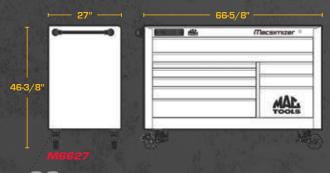
The MACSIMIZER® series represents the ultimate solution from Mac Tools® storage. With our premium features, like 200/400 lbs. drawer capacities, 27" and 30" depths for maximum volume, up to 144" width, 1-ton casters, and a variety of expandable add-ons, the MACSIMIZER® series is for the master technician who demands the best performance and features in a tool box.

Fully customizable with cabinet and drawer colors, anodized finishes, and drawer configurations, this is the tool box for the seasoned professional who needs a serious box for some serious jobs.









BALL-BEARING DRAWER SLIDES

FRONT FACING POWER STRIP



1//4 GS 1///Z=3® 30" DEEP WORKSTATIONS



%

Fireball Orange Cabinets with Gunmetal Badges and Pulls

The tools on these pages have been **PROUDLY MADE IN THE USA** with global components.

M7530TC 15-DRAWER TOP CHEST





M7530TH 75" WIDE TOP HUTCH

M7530PDP 14-DRAWER WORKSTATION WITH POWERTECH™ DRAWER

	CAB	INET		
30" Depth for Maximum Storage Space		MTO - Badges are Customizable in Seven Different Color Options		
59" and 75" Widths Available		Chemical Resistant Pow	der Coating	
46" Overall Height (Including Casters)		Front Facing Power: Fou	r 120AC Outlets and Two USB Outlets	
14ga Steel Construction for Maximum Durability		Heavy-Duty Vinyl Top Ma	it	
	DRA	WERS		
5" Over 3" Extra-Wide Top Drawers Come Standard		MTO - Drawer Heights are Configurable		
Full-Length Aluminum Drawer Pulls		MTO - Drawer Pulls are Customizable in Seven Different Anodized Finishe		
* Power Drawer with AC outlets for Battery and Per	ripheral Charging	Non-Skid Drawer Liners	included for Every Drawer	
CASTERS	SEC	URITY	DRAWER SLIDES	
6" RollX™ Spring Loaded Casters	UniKey® Tubular Lock can be Keyed-alike for Add-Ons		200 Lbs. Weight Capacity Ball-Bearing Slides	
iLock® Top Brake System			400 Lbs. Weight Capacity on Deep 5"+ Drawers	
2,000 Lbs. Weight Capacity Per Caster			Adjustable Detent from 12-24 lbs.	

^{*} Available Option



M5930THP

59" WIDE TOP HUTCH WITH INTERNAL POWER STRIP



M5930TC

10-DRAWER TOP CHEST



10-DRAWER
WORKSTATION WITH
POWERTECH™ DRAWER



PRODUCT #	DESCRIPTION	DRAWERS	OVERALL DIMENSIONS W x H x D (IN.)	VOLUME CU IN.	POWER Strip	POWERTECH™ Drawer
M5930TH	Top Hutch	-	59" x 27-3/32" x 30"	35,705		
M5930THP	Top Hutch	-	59" x 27-3/32" x 30"	35,705	•	
M5930TC	Top Chest	10	59" x 25-1/2" x 30"	24,927	•	
M5930P	Workstation	10	59" x 46-3/8" x 30"	36,376	•	
M5930PDP	Workstation	10	59" x 46-3/8" x 30"	36,376	•	•
M7530TH	Top Hutch	-	75" x 25-1/2" x 30"	42,482		
M7530THP	Top Hutch	-	75" x 25-1/2" x 30"	42,482	•	
M7530P	Workstation	14	75" x 46-3/8" x 30"	46,288	•	
M7530PDP	Workstation	14	75" x 46-3/8" x 30"	46,288	•	•
MSB30PD	Side Cabinet	7	21" x 30-1/2" x 38-5/8"	9,866		•
MSC30TALL	Side Cabinet	6	26-1/4" x 65-5/32" x 30-1/2"	27,654		
M7530TC	Top Chest	15	75" x 27-1/8" x 30-1/2"		•	

27" DEEP WORKSTATIONS



*

Firebrick Red Cabinets with Silver Badges and Pulls

The tools on these pages have been PROUDLY MADE IN THE USA with global components.

M8827THP

88" WIDE TOP HUTCH WITH INTERNAL POWER STRIP





M8827PDP 17-DRAWER WORKSTATION

CABINET					
27" Depth for Enhanced Storage Space		MTO - Badges are Cust	comizable in Seven Different Color Options		
88" and 66" Widths Available		Chemical Resistant Pow	der Coating		
46" Overall Height (Including Casters)		Front Facing Power: Fou	r 120AC Outlets and Two USB Outlets		
14ga Steel Construction for Maximum Durability		Heavy-Duty Vinyl Top Ma	at		
DRAWERS					
5" Over 3" Extra-Wide Top Drawers Comes Standar	rd	MTO - Drawer Heights are Configurable			
Full-Length Aluminum Drawer Pulls		MTO - Drawer Pulls are Customizable in Seven Different Anodized Finishes			
* Power Drawer with AC outlets for Battery and Pe	ripheral Charging	Non-Skid Drawer Liners included for Every Drawer			
CASTERS	SEC	URITY	DRAWER SLIDES		
6" RollX™ Spring Loaded Casters	UniKey® Tubular Lock can be Keyed-alike for Add-Ons		200 Lbs. Weight Capacity Ball-Bearing Slides		
iLock® Top Brake System			400 Lbs. Weight Capacity on Deep 5"+ Drawers		
2,000 Lbs. Weight Capacity Per Caster			Adjustable Detent from 12-24 lbs.		

* Available Option



GREAT TO WORK WITH



M8827TC 15-DRAWER TOP CHEST

M8827XP 13-DRAWER WORKSTATION

			1			PuB
PRODUCT #	DESCRIPTION	DRAWERS	OVERALL DIMENSIONS W x H x D (IN.)	VOLUME CU IN.	POWER Strip	POWERTECH™ Drawer
M8827TC	Top Chest	15	88-1/4" x 46-3/8" x 27"	32,756		
M8827TH	Hutch	-	87-7/8" x 25-3/4" x 24-1/2"	39,826		
M8827THP	Hutch	-	87-7/8" x 25-3/4" x 24-1/2"	39,826	•	
M8827XP	Workstation	13	88-1/4" x 46-3/8" x 27"	48,517	•	
M8827P	Workstation	17	88-1/4" x 46-3/8" x 27"	48,140	•	
M8827PDP	Workstation	17	88-1/4" x 46-3/8" x 27"	48,140	•	•

27" DEEP WORKSTATIONS

%

Sapphire Blue Cabinets with Silver Badges and Pulls



The tools on these pages have been PROUDLY MADE IN THE USA with global components.



M6627THP 66" WIDE TOP HUTCH WITH INTERNAL POWER STRIP



MSC27SHRT SHORT SIDE CABINET

- Two interchangeable bins with ball-bearing slides
- Perfect for storing larger tools
- Vinyl mat and drawer liners included



MSB27 (NOT SHOWN)
7-DRAWER SIDE BOX

MSB27PD 6-DRAWER SIDE BOX

6-DRAWER SIDE BOX
WITH POWERTECH™ DRAWER



MSC27TALL

FULL-LENGTH SIDE CABINET

- Door features punched holes on inside wall for "pegboard style" storage space
- Six roll-out metal bins with ball-bearing slides can be positioned as desired for maximum flexibility

Note: Should only be used with top chest or hutch

CABINET				
			are Customizable in Seven Different Color Options	
66" Widths Available		Chemical Resistant Powder Coating		
46" Overall Height (Including Casters)		Front Facing Power: Fou	r 120AC Outlets and Two USB Outlets	
14ga Steel Construction for Maximum Durability		Heavy-Duty Vinyl Top Ma	t	
DRAWERS				
5" Over 3" Extra-Wide Top Drawers Comes Standar	rd	MTO - Drawer Heights are Configurable		
Full-Length Aluminum Drawer Pulls		MTO - Drawer Pulls are Customizable in Seven Different Anodized Finishes		
* Power Drawer with AC outlets for Battery and Pe	ripheral Charging	Non-Skid Drawer Liners	ers included for Every Drawer	
CASTERS	SEC	URITY	DRAWER SLIDES	
6" RollX™ Spring Loaded Casters	UniKey® Tubular Lock can be Keyed-alike for Add-Ons		200 Lbs. Weight Capacity Ball-Bearing Slides	
iLock® Top Brake System			400 Lbs. Weight Capacity on Deep 5"+ Drawers	
2,000 Lbs. Weight Capacity Per Caster			Adjustable Detent from 12-24 lbs.	

^{*} Available Option







M6627TC **10-DRAWER TOP CHEST**

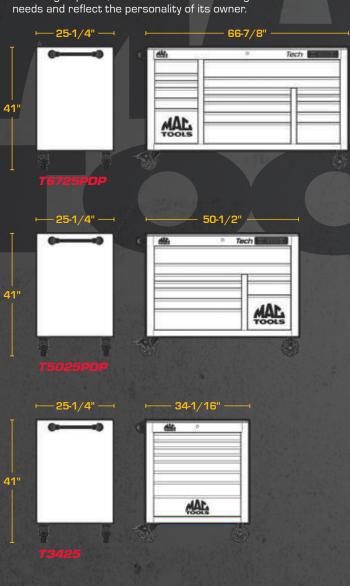
M6627PDP **10-DRAWER WORKSTATION WITH POWERTECH™ DRAWER**

PRODUCT #	DESCRIPTION	DRAWERS	OVERALL DIMENSIONS W x H x D (IN.)	VOLUME Cu in.	POWER Strip	POWERTECH™ Drawer
M6627TC	Top Chest	10	66-7/16" x 25-3/4" x 26-5/8"	32,987	•	
M6627TH	Top Hutch	-	66-7/16" x 25-3/4" x 26-5/8"	32,987		
M6627THP	Top Hutch	-	66-7/16" x 25-3/4" x 26-5/8"	32,987	•	
MSC27SHRT	Side Cabinet	2	26-1/4" x 38-9/16" x 27"	13,765		
MSB27	Side Cabinet	7	26-1/4" x 38-9/16" x 27"	12,109		
MSB27PD	Side Cabinet	6	26-1/4" x 38-9/16" x 27"	12,109		•
MSC27TALL	Side Cabinet	6	26-1/4" x 65-3/16" x 27"	27,545		
M6627P	Workstation	10	66-5/8" x 46-3/8" x 27"	36,902	•	
M6627PDP	Workstation	10	66-5/8" x 46-3/8" x 27"	36,902	•	•

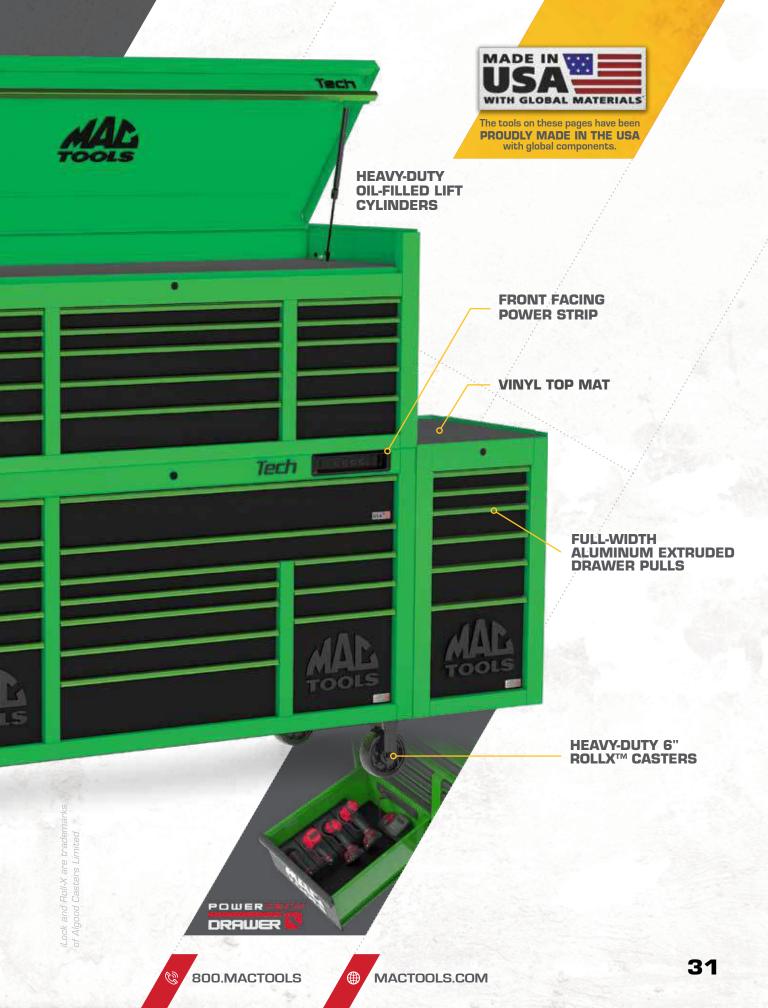
TECH TM SERIES OVERVIEW

The Mac Tools® TECH™ series tool boxes are built tough to meet the needs to professional technicians. Available in mid-range sizes from 34" to 67", and a 25" depth, these boxes offer optimized capacity for a growing business and experienced technician. With 125/250 lbs. drawer capacities, 1,200 lbs. casters, and optimized attachments and add-ons like Side Boxes, Side Cabinets, Top Hutches and Top Chests, the Tech series is built for expandability as a tech grows in his or her career.

Like the MACSIMIZER® series, the TECH™ series can be fully customized with different powder coated finishes, anodized trim and badge options, and custom drawer configurations to suit the needs and reflect the personality of its owner.



BALL-BEARING DRAWER SLIDES



Flat Black Cabinets, Fireball Orange Drawers with Black Badges and Pulls

The tools on these pages have been PROUDLY MADE IN THE USA with global components.



T6725TC 15-DRAWER **TOP CHEST**

T6725PDP 17-DRAWER **WORKSTATION WITH POWERTECH™ DRAWER**

CABINET						
25" Depth for Enhanced Storage Space		MTO - Badges are Customizable in Seven Different Color Options				
67", 50", and 34" Widths Available		Chemical Resistant Pow	der Coating			
41" Overall Height (Including Casters)		Front Facing Power: Fou	r 120AC Outlets and Two USB Outlets			
16ga Steel Construction for Maximum Durability		Heavy-Duty Vinyl Top Ma	at			
DRAWERS						
5" Over 3" Extra-Wide Top Drawers Comes Standa	rd	MTO - Drawer Heights are Configurable				
Full-Length Aluminum Drawer Pulls		MTO - Drawer Pulls are Customizable in Seven Different Anodized Finishes				
* Power Drawer with AC outlets for Battery and Pe	eripheral Charging	Non-Skid Drawer Liners included for Every Drawer				
CASTERS	SEC	URITY	DRAWER SLIDES			
6" RollX™ Casters	UniKey® Tubular Lock can	be Keyed-alike for Add-Ons	125 Lbs. Weight Capacity Ball-Bearing Slides			
iLock® Top Brake System			250 Lbs. Weight Capacity on Deep 5"+ Drawers			
1,200 Lbs. Weight Capacity Per Caster			Adjustable Detent from 12-24 lbs.			

^{*} Available Option





67" WIDE TOP HUTCH WITH INTERNAL **POWER STRIP**



INTERNAL **POWER STRIP**

T6725DT

16-DRAWER DROP TOP WORKSTATION WITH POWERTECH™ DRAWER

PRODUCT #	DESCRIPTION	DRAWERS	OVERALL DIMENSIONS W x H x D (IN.)	VOLUME Cu in.	POWER Strip	POWERTECH™ Drawer
T6725B00K	Locker	-	66-3/8" x 16-3/4" x 16-1/4"	12,356		
T6725DT	Drop Top	16	66-5/8" x 43" x 25-1/4"	30,127	•	•
T6725TC	Top Chest	15	66-7/8" x 27-5/8" x 25-1/4"	24,346	•	
T6725TH	Top Hutch	-	66-5/8" x 27" x 24-7/8"	32,713		
T6725THP	Top Hutch	-	66-5/8" x 27" x 24-7/8"	32,713	•	
T6725P	Workstation	18	66-5/8" x 41" x 25-1/4"	30,441	•	
T6725PDP	Workstation	16	66-5/8" x 41" x 25-1/4"	30,127	•	•
TSB25	Side Cabinet	16	19-1/2" x 34" x 25-1/4"	7,373		
TSB25PD	Side Box	-	19-1/2" x 34" x 25-1/4"	7,373		•
TSC25TALL	Side Box	-	19-1/2" x 58" x 25-1/4"	20,119		

Fireball Orange Cabinets with Black Badges and Pulls



T5025TH TOP HUTCH



TSB25 7-DRAWER SIDE CABINET

TSB25PD (NOT SHOWN)

6-DRAWER SIDE CABINET WITH POWERTECH™ DRAWER



TSC25TALL
FULL-LENGTH
SIDE CABINET

	CAE	BINET		
25" Depth for Enhanced Storage Space		MTO - Badges are Customizable in Seven Different Color Options		
67", 50", and 34" Widths Available		Chemical Resistant Power	der Coating	
41" Overall Height (Including Casters)		Front Facing Power: Fou	r 120AC Outlets and Two USB Outlets	
16ga Steel Construction for Maximum Durability		Heavy-Duty Vinyl Top Ma	it	
DRAWERS				
5" Over 3" Extra-Wide Top Drawers Comes Standard		MTO - Drawer Heights are Configurable		
Full-Length Aluminum Drawer Pulls		MTO - Drawer Pulls are Customizable in Seven Different Anodized Finishes		
* Power Drawer with AC outlets for Battery and Perip	pheral Charging	Non-Skid Drawer Liners	included for Every Drawer	
CASTERS	SEC	CURITY	DRAWER SLIDES	
6" RollX™ Casters	UniKey® Tubular Lock can be Keyed-alike for Add-Ons		125 Lbs. Weight Capacity Ball-Bearing Slides	
iLock® Top Brake System			250 Lbs. Weight Capacity on Deep 5"+ Drawers	
1,200 Lbs. Weight Capacity Per Caster			Adjustable Detent from 12-24 lbs.	

* Available Option





T5025B00K HORIZONTAL LOCKER



T5025TC 10-DRAWER TOP CHEST



T5025PDP 10-DRAWER

WORKSTATION WITH POWERTECH™ DRAWER

Shown with optional Line-X worksurface

See Drawer Dimensions and Volumes on page 59

PRODUCT #	DESCRIPTION	DRAWERS	OVERALL DIMENSIONS W x H x D (IN.)	VOLUME Cu in.	POWER Strip	POWERTECH™ Drawer
T5025B00K	Top Locker	-	50" x 16-3/4" x 16-1/4"	9,300		
T5025TC	Top Chest	10	50-1/4" x 27" x 24-7/8"	24,200	•	
T5025TH	Top Hutch	-	50-1/2" x 27-5/8" x 25-1/4"	19,456		
T5025THP	Top Hutch	-	50-1/2" x 27-5/8" x 25-1/4"	19,456	•	
T5025THP	Top Hutch	-	50-1/2" x 27-5/8" x 25-1/4"	19,456	•	
TSB25	Side Cabinet	7	19-1/2" x 34" x 25-1/4"	7,373		
TSB25PD	Side Cabinet	6	19-1/2" x 34" x 25-1/4"	7,373		•
TSC25TALL	Side Cabinet	-	19-1/2" x 58" x 25-1/4"	20,119		
T5025P	Workstation	10	50-1/2" x 41" x 25-1/4""	23,248		
T5025PDP	Workstation	10	50-1/2" x 41" x 25-1/4""	22,574	•	•

The tools on these pages have been **PROUDLY MADE IN THE USA** with global components.



T3425TC 5-DRAWER TOP CHEST





	CAB	INET		
25" Depth for Enhanced Storage Space		MTO - Badges are Cust	comizable in Seven Different Color Options	
67", 50", and 34" Widths Available		Chemical Resistant Pow	der Coating	
41" Overall Height (Including Casters)		Single-Bank of Drawers		
16ga Steel Construction for Maximum Durabilit	1	Heavy-Duty Vinyl Top Ma	at	
	DRA	WERS		
8-Drawer Standard Configuration		MTO - Drawer Heights are Configurable		
Full-Length Aluminum Drawer Pulls		MTO - Drawer Pulls are Customizable in Seven Different Anodized Finishes		
		Non-Skid Drawer Liners	included for Every Drawer	
CASTERS	SEC	URITY	DRAWER SLIDES	
6" RollX™ Casters	UniKey® Tubular Lock can	be Keyed-alike for Add-Ons	125 Lbs. Weight Capacity Ball-Bearing Slides	
iLock® Top Brake System			250 Lbs. Weight Capacity on Deep 5"+ Drawers	
1,200 Lbs. Weight Capacity Per Caster			Adjustable Detent from 12-24 lbs.	

See	Drawer	Dimensions	and	Volumes	on	nage!	59

PRODUCT #	DESCRIPTION	DRAWERS	OVERALL DIMENSIONS $W \times H \times D$ (IN.)	VOLUME Cu in.	POWER Strip	POWERTECH™ Drawer
T3425TC	Top Chest	5	34-1/16" x 27-5/8" x 25-1/4"	12,038		
T3425	Cabinet	8	34-1/16" x 41" x 25-1/4"	15,014		

MADE TO ORDER - GALLERY



Made to stand out from the rest in the shop. We're committed to offering the customization options that turn dreams into reality.

Show us your MTO workstations by tagging us on Instagram @mactools38 and using the hashtag #MacTools.









EDGE TM RANGE OVERVIEW

The EDGE $^{\mathbb{M}}$ range roller cabinet was built from the ground up for beginning techs and young professionals who demand excellent performance out of a tool box that won't break the bank. The EDGE $^{\mathbb{M}}$ comes in a standard 11-drawer configuration that was developed in the field with techs to optimize storage.

Available in various colors, EDGE items feature 125 lbs. soft-close drawers, 1,000 lbs. casters, with an optimized assortment of accessories and add-ons to meet the needs of students and young professionals that need a storage solution as agile and versatile as they are.



The tools on these pages have been PROUDLY MADE IN THE USA with global components.

USA



CAL CALL

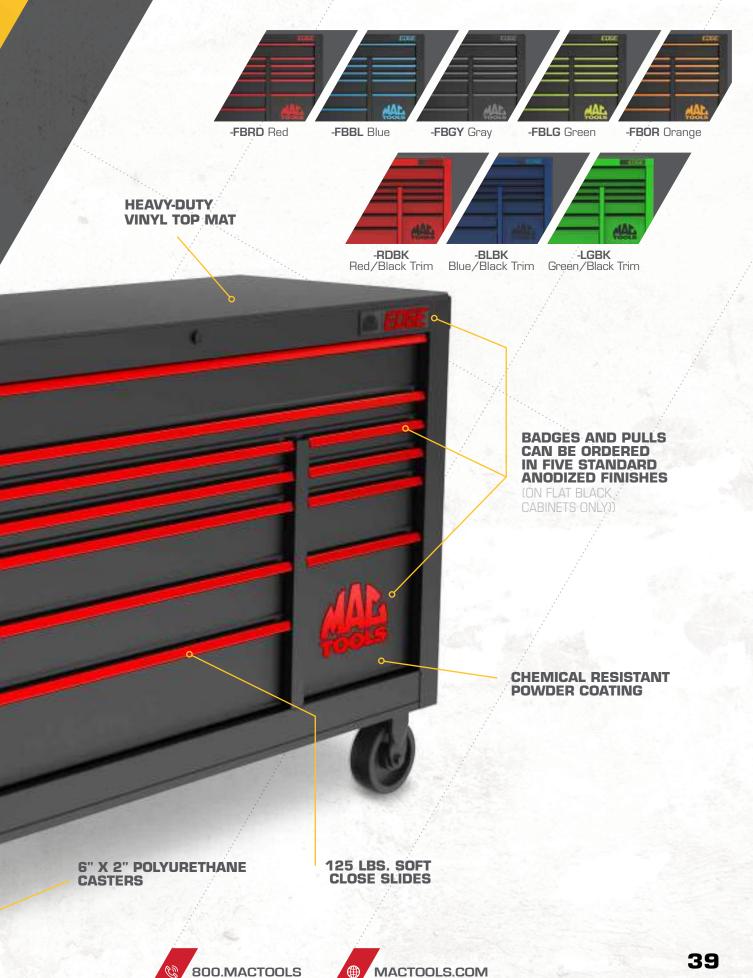
27"

22"

E5422-B-FE

54" 11-DRAWER WORKSTATION

38"



GEN 2 EDGE 22" DEEP WORKSTATION



Flat Black with Color Badges and Pulls



The tools on these pages have been PROUDLY MADE IN THE USA with global components.

E4122TC-B

4-DRAWER TOP CHEST

• Compatible with E4122 workstation

E2722TC-B (NOT SHOWN)

4-DRAWER TOP CHEST

• Compatible with **E2722** workstation





E4122-B 11-DRAWER WORKSTATION

E2722-B (NOT SHO.WN) 7-DRAWER

WORKSTATION

ESC22TALL **TALL SIDE LOCKER**

· Repositional shelves



	САВ	INET		
22" Depth for Greater Storage Space		18ga Steel Construction	for Excellent Durability	
27", 41" and 54" Widths Available		Chemical Resistant Pow	der Coating	
38" Overall Height (Including Casters)		Heavy-Duty Vinyl Top Mat		
	DRA	WERS		
4" Extra-Wide Top Drawer		12-Drawer Configuration for Optimal Storage and Efficiency		
Full-Length Aluminum Drawer Pulls		Non-Skid Drawer Liners	included for Every Drawer	
CASTERS	SEC	URITY	DRAWER SLIDES	
6"x 2" Two Fixed and Two Swivel Locking Casters	Keyed Locking System		120 Lbs. Weight Capacity Ball-Bearing Slides	
Top Brake System			200 lbs. Weight Capacity on Deep 6"+ Drawers	
1,000 Lbs. Weight Capacity Per Caster			Soft-Close for optimal Detent and Better Security	

GREAT TO WORK WITH

E5422TC-B

6-DRAWER TOP CHEST

• Compatible with **E5422** workstation





E5422-B

11-DRAWER WORKSTATION

Shown with optional Line-X worksurface

PRODUCT #	DESCRIPTION	DRAWERS	OVERALL DIMENSIONS W x H x D (IN.)	VOLUME CU IN.
E2722-B	Workstation	7	27" x 38" x 22"	8,863
E4122-B	Workstation	11	41" x 38" x 22"	14,037
E5422-B	Workstation	11	54" x 38" x 22"	19,405

See Drawer Dimensions and Volumes on page 59

PRODUCT #	DESCRIPTION	DRAWERS	OVERALL DIMENSIONS W x H x D (IN.)	VOLUME CU IN.
E2722TC-B	Top Chest	4	27" x 30-15/16" x 22"	8,780
E4122TC-B	Top Chest	4	41" x 30-15/16" x 22"	13,936
E5422TC-B	Top Chest	6	54" x 30-15/16" x 22"	19,056
ESC22TALL	Cabinet	-	18" x 59-1/2" x 22"	20,868



THESE CARTS GOBEFORE THE HORSE



MAP. TOOLS



20" DEEP UTILITY CARTS AND ADD-ONS



The tools on this pages have been PROUDLY MADE IN THE USA with global components.



UCSB20 **5-DRAWER UTILITY CART SIDE BOX**

· Compatible with UC3720 series (and legacy MB199UC/MB188UC)

5-DRAWER UTILITY CART WITH SLIDING LID

UTILITY CART SIDE CABINET

- Adjustable shelf
- Compatible with UC3720 series (and legacy MB199UC/MB188UC)

CABINET					
20" Depth for Greater Storage Space		MTO - Badges are Customizable in Seven Different Color Options			
37" Widths Available		16ga Steel Construction	n for Excellent Durability		
43" Overall Height (Including Casters)		Chemical Resistant Pow	rder Coating		
DRAWERS					
3" Deep Top Drawer		MTO - Drawer Pulls are Customizable in Seven Different Anodized Finishes			
Full-Length Aluminum Drawer Pulls		Non-Skid Drawer Liners included for Every Drawer			
CASTERS	SEC	URITY	DRAWER SLIDES		
5"x 1-1/4" Swivel Casters	Tubular Lock can be Keyed-alike for Add-Ons		100 Lbs. Weight Capacity Ball-Bearing Slides		
			Soft-Close for optimal Detent and Better Security		

PRODUCT #	DESCRIPTION	DRAWERS	OVERALL DIMENSIONS $W \times H \times D \ (IN.)$	VOLUME Cu in.
UC3720SLH	Utility Cart	3	37" x 43" x 20"	19,741
UC3720SLF	Utility Cart	5	37" x 43" x 20"	19,741

See Drawer Dimensions and Volumes on page 56







MBUC-CW CORD WRAP

· Store extension cords when not in use



MBUC-FCH FLUID CONTAINER

HOLDER

• .Holds one-gallon containers (washer fluid, antifreeze, etc.) for easy access

MBUC-TCH TRASH CAN HOLDER

- Holds (9-3/8" x 13-1/2")
- Trash can not included



MBUC-SDPBH SCREWDRIVER

PARTS BIN HOLDER

• Three bins and 12 holes

MBUC-SDH SCREWDRIVER HOLDER

• Store 12 screwdrivers or extensions



MBUC-PTH

POWER TOOL HOLDER

 Holds three power tools (impacts, hammers, and drills) for quick access

MBUC-ACH

AEROSOL CAN HOLDER

• Stores six aerosol cans

UTILITY GARTS 20" DEEP UTILITY CARTS



*

Carts on this page available in all standard and MTO colors

The tools on this page have been PROUDLY MADE IN THE USA with global components.







UC3720DTH
3-DRAWER UTILITY CART
WITH DROP-TOP LID

	CAB	INET		
20" Depth for Greater Storage Space		MTO - Badges are Customizable in Seven Different Color Options		
37" Widths Available		16ga Steel Construction	n for Excellent Durability	
43" Overall Height (Including Casters)		Chemical Resistant Pow	der Coating	
DRAWERS				
7" Deep Top Compartment		MTO - Drawer Pulls are Customizable in Seven Different Anodized Finishes		
Full-Length Aluminum Drawer Pulls		Non-Skid Drawer Liners included for Every Drawer		
CASTERS	SEC	URITY	DRAWER SLIDES	
5"x 1-1/4" Swivel Casters	Tubular Lock can be Keye	d-alike for Add-Ons	100 Lbs. Weight Capacity Ball-Bearing Slides	
			Soft-Close for optimal Detent and Better Securit	

PRODUCT #	DESCRIPTION	DRAWERS	OVERALL DIMENSIONS W x H x D (IN.)	VOLUME Cu in.
UC3720DTH	Utility Cart	3	37" x 43" x 20"	13,761
UC3720DTF	Utility Cart	5	37" x 43" x 20"	18,220

See Drawer Dimensions and Volumes on page 56



UTILITY CARTS

22" DEEP UTILITY CARTS



Carts on this page available in the following colors

FIREBRICK RED SAPPHIRE BLUE FIREBALL ORANGE LIME GREEN GALAXY BLACK

- · 16ga welded construction
- Soft-close drawer slides with 125 Lbs. capacity per drawer
- Reinforced lid (250-lbs. capacity)
- Internal slotted storage for long items (can accommodate up to 36" pry bar)
- Tubular lock
- 6" x 2" Crowned high-mileage casters
- Mounting points for side accessories
- Available in 5 popular colors (all with black trim)



UC2822DTH 28" 3-DRAWER

UTILITY CART

- One 2" tall drawer
- Two 4" tall drawers



UC2822DTF 28" FULL-DRAWER UTILITY CART

- Two 2" tall drawers
- Three 4" tall drawers
- One 6" tall drawer

				9
PRODUCT #	DESCRIPTION	DRAWERS	VOLUME Cu. In.	OVERALL DIMENSIONS W x H x D (IN.)
UC2822DTH	Cart	3	3,938"	28" x 41-7/8" x 22"
UC2822DTF	Cart	6	7,956"	28" x 41-7/8" x 22"
7 - 7 95	Country	N. P. ST.		27 1 1 1 1 2 2 2 2 3 3 3



PRODUCT#	DESCRIPTION	DRAWERS	VOLUME Cu. in.	OVERALL DIMENSIONS $W \times H \times D$ (IN.)
UC4122DTH	Cart	3	5,730"	41" x 41-7/8" x 22"
UC4122DTF	Cart	6	12,878"	41" x 41-7/8" x 22"

UTILITY CARTS

FIREBRICK

SAPPHIRE BLUE FIREBALL ORANGE

LIME GREEN GALAXY BLACK



UC3016-1DRW DELUXE UTILITY CART WITH DRAWER AND LID

- 3" Deep locking storage top with full piano hinge and 3" Bottom shelf
- Ball-bearing track slide drawer
- · Drawer and top are keyed alike
- · 4" Casters; two locking and two standard
- Baked-on powder coat finish
- 18-Gauge steel construction
- · 350 lbs. Capacity



UC3919-3DRWUTILITY CART

- Rugged tubular frame provides strength and unique appearance
- Push handles on both sides of cart for easy maneuvering
- 4" Deep top compartment for easy storage of deep sockets, air tools, etc.
- Easy grab powder coated drawer pulls
- · Lid utilizes gas-filled lift supports
- 100 lb. capacity ball bearing slides with 100% full extension
- Non-slip PVC drawer liners included in drawers, top compartment, and bottom tray
- Bottom tray design allows easy access to bulk items from front or back



MB6UC UTILITY CART WITH LID

- Made of durable injection molded structural foam
- 150 lbs. per Shelf weight capacity
- Resistant to most automotive chemicals
- Built-in cutout for using a padlock to secure lid



OVERALL DIMENSIONS PRODUCT # DESCRIPTION DRAWERS UC3016-1DRW Cart 30" x 35-1/2" x 16" UC3919-3DRW 3 38-1/2" x 18-1/2" x 39-1/2" Cart **MB6UC** 37" x 38" x 19" Cart. 30" x 35-1/2" x 16" UC3016 Cart

- Two 3" deep storage shelves
- 18-Gauge steel construction
- 350 lbs. Capacity
- 4" Casters; two locking and two standard
- · Available in red, black, blue, and yellow

MORKBENGHES AND STORAGE

FIREBRICH RED (-RD) SAPPHIRE BLUE (-BL) GALAXY BLACK [-BK]



The tools on this pages have been PROUDLY MADE IN THE USA with global components.







STATIONARY WORKBENCH

- Your choice of work surface hardwood butcher block or 16-gauge 304 stainless steel over wood core
- Made from cold-rolled steel with powder coated finish in red, blue, or black
- Four floor glides made of steel with plastic cap with a 1" (25.4mm) adjustment range

MOBILE WORKBENCH

- Your choice of work surface hardwood butcher block or 16-gauge 304 stainless steel over wood core
- Made from cold-rolled steel with powder coated finish in red, blue, or black
- Four 6" diameter casters (two rigid, two locking swivel) made of non-marking thermoplastic elastomer with capacity of 600 lbs. each

PRODUCT #	WORKBENCH Description	SURFACE Type	OVERALL DIMENSIONS W x H x D (IN. /MM)	WORK SURFACE Height In./MM	WORK SURFACE THICKNESS IN. /MM	BACK & END Stop Height In. /MM
M-01WB60BT	Stationary	Butcher Block	60" x 38-1/4" x 30" / 1,524 x 971 x 762	35-1/4" / 894.5	1-3/4" / 44.5	3" / 76.2
M-01WB60ST	Stationary	Stainless Steel	60" x 38-1/4" x 30" / 1,524 x 971 x 762	35-1/4" / 894.5	1-3/4" / 44.5	3" / 76.2
M-02WB60BT	Mobile	Butcher Block	60" x 38-1/4" x 30" / 1,524 x 971 x 762	35-1/4" / 894.5	1-3/4" / 44.5	3" / 76.2
M-02WB60ST	Mobile	Stainless Steel	60" x 38-1/4" x 30" / 1,524 x 971 x 762	35-1/4" / 894.5	1-3/4" / 44.5	3" / 76.2
M-03WB60BT	Pedestal	Butcher Block	60" x 40-9/16" x 30" / 1,524 x 1,031 x 762	37-9/16" / 954.5	1-3/4" / 44.5	3" / 76.2
M-03WB60ST	Pedestal	Stainless Steel	60" x 40-9/16" x 30" / 1,524 x 1,031 x 762	37-9/16" / 954.5	1-3/4" / 44.5	3" / 76.2

PEDESTAL WORKBENCH

- Your choice of work surface hardwood butcher block or 16-gauge 304 stainless steel over wood core
- Made from steel with powder-coat finish in red, blue, or black
- Built-in, welded-steel, five-drawer cabinet 22-3/16" x 35-13/16" x 28-1/2" 725 x 910 x 564mm
- Cabinet offers PrevenTip® central locking system for safety
- · Removable core lock with two keys
- Includes mesh drawer liner in each drawer



M-02HS1308

HIGH-DENSITY PARTS STORAGE CABINETS

- Made from steel with powder-coat finish in red, blue, or black
- Combination of upper and base cabinets provides two shelves and eight or 10 drawer
- Upper cabinet: 40-3/8" x 22-1/2" x 33-7/16" [1023 x 850 x 572mm]
- Base cabinet: 40-3/8" x 22-1/2" x 59-7/16" [1023 x 1510 x 572mm]
- Features PrevenTip® central locking system for safety
- · Removable core lock with two keys

MOBILE STORAGE MODULAR STORAGE SYSTEM



MODULAR STORAGE SYSTEM TOOL BOXES

- · Made from impact resistant polymer composite
- · Removable and reconfigurable internal storage cups and trays
- Integrated water seal for protection from the environment (IP65)
- Side latches for stacking and connecting multiple Boxes together for easy storage and transport
- Rust-resistant latches
- Compatible with DWST08210 TOUGHSYSTEM® DS CARRIER



MBTSBRACKET 2-PK MODULAR TOOL BOX BRACKET

- · Mounts to rails on utility carts
- · Adjustable position for multiple boxes on a single rail
- 75 lbs. weight capacity per pair of brackets

MBTS295

3-DRAWER MODULAR TOOL BOX

- · 3-Drawers with individual latches and ball-bearing slides
- Stackable with MBTS100, MBTS150, MBTS300
- 21-3/4" W x 12-1/8" H x 13-1/8" D
- Drawer inside dimensions: 17-13/16" W x 2-1/2" H x 11-1/4" D



MBTS100 MODULAR ORGANIZER BOX

- · Polycarbonate lid for impact resistance and visibility of contents
- Two large and six small removable organizer cups
- 21-3/4" W x 4-1/2" H x 13-1/8" D



MBTS150 MODULAR MEDIUM TOOL BOX

- Locking fold-down top tray with two covered compartments
- Four large and Eight small organizer cups
- 21-3/4" W x 6-1/8" H x 13-1/8" D



MBTS300

MODULAR MEDIUM TOOL BOX

- · Removable insert tray for small parts and tools organization
- 12" Deep compartment for larger tools storage
- 21-3/4" W x 12-1/8" H x 13-1/8" D







TB506

MULTI-USE ROLLER TOOL BAG WITH TELESCOPIC HANDLE

- Special screwdriver and saw compartment
- Flap-top storage pouchDurable 1,200 x 1,200D fabric
- · Rigid and waterproof plastic bottom





MTB001 SMALL TOOL BAG MTB002 MEDIUM TOOL BAG MTB003 LARGE TOOL BAG

- · Industrial-strength materials
- Ergonomic handle design



TBLGORG ORGANIZER TOOL BAG

- Three interior sections and numerous pockets for easy organization
 Durable 600D polyester material
- Padded shoulder strap

PRODUCT #	DESCRIPTION	OVERALL DIMENSIONS W x H x D (IN.)	OPEN Pockets	ZIPPERED Pockets	VELCRO® Pockets	TOTAL POCKETS
MTB001	Tool Bag	13-1/2" x 9" x 8-1/2"	8			8
MTB002	Tool Bag	18-1/2" x 11" x 12"	4	2	4	10
MTB003	Tool Bag	24" x 13" x 13"	4	2	4	10
TBLGORG	Tool Bag	16" x 12" x 12"	17		1	18
TB505	Tool Bag	19" x 13-1/2" x 9"	9	1	3	13
TB506	Tool Bag	19" x 13-1/2" x 9"	9	1	3	13

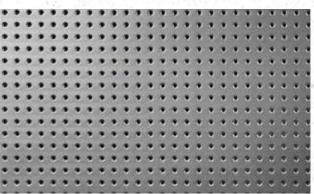




TH-LED-SYS-1PK HUTCH LIGHT KIT

TH-LED-STRIP-1 ADD-ON LED STRIP

- Next-generation COB LED strips are brighter than predecessors and feature new magnetic mounts with light angle feature
- · Each strip comes with two neodymium magnets for easy mounting
- · Motion sensor feature turns light on when movement is detected
- Allows customization up to three LED strips in single system
- Individual on/off switch on the strip as well as override switch on sensor box
- TH-LED-SYS-1PK includes contoller, power cord, and 1 LED strip with magnetic mount
- TH-LED-STRIP-1 includes daisy-chain power cord and magnetic mount
- Kit includes LED strip, jumper cord, motion sensor box and UL AC wall adapter
- 13" overall length



STAINLESS STEEL PEG BOARDS

- SS Pegboards are now standard on all top hutches, but are available as retrofit options for many previous model hutches
- Stainless steel pegboard provides a striking and rugged location to store your workshop tools and supplies
- Hole sizes and distances accommodate all standard peg hooks and accessories.

PRODUCT #	DESIGNED FOR
M5930THSSPEG	MB5998 or M5930TH
M6627THSSPEG	MB1398 or M6627TH
M7530THSSPEG	MB7598 or M7530TH
M8827THSSPEG	MB1998 or M8827TH
T5025THSSPEG	MB1098A or T5025TH
T6725THSSPFG	MB10898 or T6725TH

WORKSTATION COVERS

- High quality 200 Denier nylon
- Individually cut and sewn together using a heavy duty thread

UTILITY CART ATTACHMENT RAIL KITS

PRODUCT #	DESIGNED FOR		
199RAILKIT	UC3720 or UC4125FD		
199RAILKIT-BK	UC3720 or UC4125FD		

MACSIMIZER® SERIES COVERS

PRODUCT #	DESIGNED FOR
M14430COVER	M14430 Series
M5930COVER	MB5930 or M5930
M5930COVERSET*	MB5930 or M5930
M6627COVER	MB1350 Series, M6627
M6627COVERSET*	MB1350 Series or M6627
M7530COVER	MB7530 or M7530
M7530COVERSET*	MB7530 or M7530
M8827COVER	MB1900 Series or M8827
M8827COVERSET*	MB1900 Series or M8827
MSB27COVER	MB1967 or MSB27
MSB30COVER	MB7567 or MSB30
MSC27COVER	MB1970 or MSC27TALL
MSC30COVER	MB7570 or MSC30TALL
UC4125FDCOVER	UC4125FD



TECH™ SERIES COVERS

PRODUCT #	DESIGNED FOR
T3425COVER	MB8800 Series or T3425
T3425COVERSET*	MB8800 Series or T3425
T5025COVER	MB1000 Series or T5025
T5025COVERSET*	MB1000 Series or T5025
T6725COVER	MB1080 Series or T6725
T6725COVERSET*	MB1080 Series or T6725
TSB25COVER	MB1067, TSB25
TSC25COVER	MB1070, TSC25
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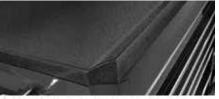
EDGE™ RANGE COVERS

PRODUCT #	DESIGNED FOR		
E4122COVER	E4122		
E5422COVER	E5422		
E5422COVERSET	E5422 with E5422TC		
E4122COVERSET	E4122 with E4122TC		
E2722COVER	E2722		
E2722COVERSET	E2722 with E2722TC		

LEGACY MODEL COVERS

PRODUCT #	DESIGNED FOR		
MBC4251CUS	MB4251, MB4250 or MB4290C		
MBC4251SCUS*	MB4290C with MB4295C		
MBC4280SCUS*	MB4280 with MB4285C		
MBC4890CUS	MB4890A		
MBC4890SCUS*	MB4890A with MB4895A		

Indicates a Cover Set to be used with the Roller Cabinet and Associated Top Chest or Top Hutch



LINE-X® WORK SURFACES

- LINE-X® Protective Coated worksurface is corrosion, abrasion, and impact-resistant
- High-grade galvennealed steel base wrapped around wood core

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STAINLESS STEEL **WORK SURFACES**

• High-grade 1/16" thick 304 stainless steel wrapped around wood core



BUTCHER BLOCK WORK SURFACES

- 1-1/2" Thick laminate edged hardwood work surface
- Clear lacquer top with radius edges
- Protection against wood drying, apply non-toxic mineral oil every 4–6 weeks

UCT #	DESIGNED FOR	PRODUCT #	DESIGNED FOR
5SSTOP	MB1000 Series or T5025	TSB25BBTOP	MB1067, TSB25
5SSTOP	MB1067, TSB25	T5025BBTOP	MB1000 Series or T5025
5SSTOP	MB1080 Series or T6725	T6725BBTOP	MB1080 Series or T6725
5SSTOP	MB8800 Series or T3425	M6627BBTOP	MB1350 Series, M6627
27SSTOP	MB1350 Series, M6627	MSB27BBTOP	MB1967 or MSB27
30SSTOP	MB5930 or M5930	М5930ВВТОР	MB5930 or M5930
30SSTOP	MB7530 or M7530	M7530BBTOP	MB7530 or M7530
27SSTOP	MB1967 or MSB27	MSB30BBT0P	MB1967 or MSB27
27SSTOP	MB1900 Series or M8827		

PRODUCT #	DESIGNED FOR
E4122LNXTOP	E4122-FB
E5422LNXTOP	E5422-FB
M14430LNXTOP	M14430
M5930LNXTOP	MB5930 or M5930
M6627LNXTOP	MB1350 Series, M6627
M7530LNXTOP	MB7530 or M7530
M8827LNXTOP	MB1900 Series or M8827
MSB27LNXTOP	MB1967 or MSB27
MSB30LNXTOP	MB7567 or MSB30
T3425LNXTOP	MB8800 Series or T3425
T5025LNXTOP	MB1000 Series or T5025
T6725LNXTOP	MB1080 Series or T6725
TSB25LNXTOP	MB1067, TSB25

PRODUCT #	DESIGNED FOR
T5025SSTOP	MB1000 Series or T5025
TSB25SSTOP	MB1067, TSB25
T6725SSTOP	MB1080 Series or T6725
T3425SSTOP	MB8800 Series or T3425
M6627SSTOP	MB1350 Series, M6627
M5930SSTOP	MB5930 or M5930
M7530SSTOP	MB7530 or M7530
MSB27SSTOP	MB1967 or MSB27
M8827SSTOP	MB1900 Series or M8827
MSB30SSTOP	MB7567 or MSB30
M14430SSTOP	M14430
MHD10029SST	MHD5629PD with two added side units
MHD7829SST	MHD5629PD with one added side unit
MHD2229SST	MHDSB29 or MHDSC29

AGG 45502145 AVAILABLE IN

FIREBRICK RED SAPPHIRE BLUE FIREBALL ORANGE

CREEN

GUNMETAL GRAY



HS12X6

1' STORAGE TRAY/SHELF

HS24X6

2' STORAGE TRAY/SHELF

- Mounts to pegboard as a tray or flip over and use as a shelf
- Extra-rugged steel construction
- Powder-coat finish resists fading and corrosion

SD8

SCREWDRIVER HOLDER

· Holds up to eight screwdrivers

SD12

DOUBLE-TIER SCREWDRIVER HOLDER

- Holds up to twelve screwdrivers
- Extra-rugged steel construction
- Powder-coat finish resists fading and corrosion





SINGLE-TIER PLIERS HOLDER

- Holds up to ten pliers
- Extra-rugged steel construction
- Powder-coat finish resists fading and corrosion



MBSD155

SCREWDRIVER RACK FOR UC3016 AND UC3016-1DRW

- Holds up to 26 screwdrivers and extensions
- Dimensions: 16-1/4" x 3-1/2"
- · Available in Red, Black, and Blue only



SPRAY CAN HOLDER

- Stores cans up to 3-3/8" diameter
- Fits the lip of most rollaway cabinets and utility carts
- Includes holes for bolt-on attachment
- · Available in Red, Black, Blue, and Yellow only





MBD100B

ADD-A-DRAWER UNIT

- Bolts to UC3016, UC3016-1DRW, MB80UC, MB100UC, or MB6UC
- Extra-rugged steel construction
- Powder-coat finish resists fading and corrosion

MBT10B

TOTE TRAY

- 20-Gauge steel construction
- Tubular steel handle
- · Available in red, black, or blue
- Size: 4-1/2" x 20-7/16" x 10" [114mm x 519mm x 254mm]

MAGRAIL12

12" MAGNETIC RAIL

MAGRAIL24

24" MAGNETIC RAIL

- High-powered magnetic rail holds tools and parts firmly in place
- Can also be attached to non-magnetic surfaces by using screws



SHMB25

1/4" BIT - MAGNETIC SOCKET HOLDERS

- Holds 36 different bits and one socket drive
- · Available in Red, Green, and Yellow

MTS210R

MAGNI STIX

- Can be placed on a vertical surface or in the bottom of a drawer
- 11" Long x 2-1/4" wide

ACCESSORIES TOOL STORAGE ORGANIZATION



L40490

PLIERS/WRENCH RACK

- Keeps toolboxes neat and organized
- · By holding pliers and wrenches vertically, tools take up less space in the toolbox while keeping them easy to identify, locate, and grab
- Thirteen slots hold various shapes and sizes of wrenches and pliers
- Ten 5/8" wide slots for narrow tools and three 7/8" wide slots for larger tools
- · Made of durable molded plastic
- Only 1-5/8" tall

PLR30 **WIRE RACK FOR PLIERS**

- Ingenious design keeps up to 32 pliers organized
- · Heavy gauge (3mm) vinyl-coated steel wire frame offers long life and protection for your pliers
- Place rack at the back of tool box drawer so the weight of the pliers keeps the rack in place
- Ten extra-wide slots offer extra space for pliers with insulated handles
- Will fit in a tool box with a 2-1/2" high drawer

Tools and cart sold separately.

HEIGHT	HEIGHT [MM]	LENGTH	LENGTH (MM)	WIDTH	WIDTH [MM]
2-1/2"	63.5	30"	762	5-1/4"	133.4

L40460

PLIERS/WRENCH **RACK - BLACK**

- Organize your tool box drawer
- Pliers / Wrench Rack is constructed out of plastic and will hold up to thirteen tools
- There are two different sizes of slots to accommodate all sizes of tools
- · The front edge also has indentations to hold tools upright

SH502 SOCKET **ORGANIZER TRAY**

· Ideal for MB6UC cart



OVERALL SIZE	OVERALL SIZE (MM)	SOCKET RAIL SIZE	SOCKET RAIL SIZE [MM]	SOCKET RAILS
7-7/8" x 21-1/4"	200.0 x 539.7	17-1/4"	438.1	5



SH444B

SOCKET RACK TRAY

Carrying handle

OVERALL SIZE	OVERALL SIZE	SOCKET	SOCKET RAIL SIZE	SOCKET
	[MM]	RAIL SIZE	[MM]	Rails
6" x 18"	152.4 x 457.2	17"	431.8	4



High-impact material

PRODUCT #	HEIGHT	HEIGHT [MM]	LENGTH	LENGTH [MM]	WIDTH	WIDTH [MM]
MBPT-RB	1-1/4"	31.7	15-3/4"	400.1	11-1/8"	282.6
MBPT-GB	1-1/4"	31.7	15-3/4"	400.1	11-1/8"	282.6





MBPT18

PRODUCT #	SIZE	
MBPT18	18-1/2" x 23"	
MBPT13	13" x 22-1/2"	
MBPT37	24-1/2" x 37"	
MBPT27	22-1/2" x 27-1/2"	





MAGTRAY

MAGTRAY-2







MAGNETIC PARTS TRAYS

- Powerful magnets are rubber-covered to prevent scratching painted surfaces
- Base is fuel and oil-resistant
- Stainless steel except MAGTRAY-5A

PRODUCT #	HEIGHT	HEIGHT [MM]	LENGTH	LENGTH [MM]	WIDTH	WIDTH [MM]
MAGTRAY	1-1/2"	38.1	5-3/4"	146.1	5-3/4"	146.1
MAGTRAY-2	1-3/8"	34.9	8"	203.2	4"	101.6
MAGTRAY-3	1"	25.4	6-1/2"	165.1	14"	355.6
MAGTRAY-4	1-1/4"	31.7	12-1/2"	317.5	10-1/4"	260.4
MAGTRAY-5A	4-1/2"	114.3	6"	152.4	6"	152.4

MBPT37

TOOLSTONS AND VOLUMES

MACSIMI HD° 29" DEEP	57.34 (5.778) 83.	17.58 178 178 1314 1816 1816 1816 1816 1816 1816 1816 18	7.58 3.78 3.778 78 78 78 78 78 78 78 78 78 78 78 78	12.50 178 175 184 2	125 128 23 100 100 100 100 100 100 100 100 100 10	12.55 23 170 448 E	1256 429 486 2	12.55 C C C C C C C C C C C C C C C C C C	12.56 12.170 48 154.0	311, 23, 12, 48, 29, 001	mm. 16.48.23	Minor State of the		We will be the second of the s	Metap. 188
MHD5629PD	1 1	2	2 1	1	1	1			1		11	34,902	7,078	52-5/8" / 1,336	
MHDSB29				2	2	1	1	1			7	11,248	2,919	51-13/16" / 1,290	339
MHDSTC29				4		1	1				6	6,636	2,502	27-9/16" / 700	1794
										3		2,171	180	51-13/16" / 1,290	
MHDSC29												-,		01 10 10 / 1,200	
MHDSC29 MHDTSC29										2		3,262	274	27-9/16" / 700	100

MACSIMIA 30" DEEP	ZER®	62.7 S. 28.7 P. 29.7	57. 21. 100 100 100 100 100 100 100 100 100 1	51. 8316.	25.00 183 189 18 18 18 18 18 18 18 18 18 18 18 18 18	128 1884 188 188 188 188 188 188 188 188 1	24.7 (8.3.7) (8.8.2) (8.8.2)	1,5 2,3 10" 878 104 776 24 776 24 776 24 776	1312 134" 88376" 1376 1313 138" 1385	37, 17,584, 878, 878, 87, 718	137 834 St.	15 (27) (24) (24) (25) (25) (25) (25) (25) (25) (25) (25	137 4564 3 8 M J	132, 232, 2837, 1878, 312, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 1887, 188	1313 134 36 34 34 56 1318	1855 1564 5476 3476	18 28 32 C8 316" AT 10		Miles Solvi	Iting 1. John	Weight 185
M14430PDP	2	2			2	4		2		2		4	4	4	2		22	92,576	21,324	46-3/8" / 1,178	
M7530P	1	1			1	2		1	1	1		2	2	2			11	46,288	10,662	46-3/8" / 1,178	
M7530PDP	1	2			1	2		1		1		2	2	2	1		11	46,288	10,662	46-3/8" / 1,178	
M5930P			1	1	1	2		1	1				2	1			10	36,376	8,288	46-3/8" / 1,178	
M5930PDP			1	1	1	2		1					2	1	1		10	36,376	8,288	46-3/8" / 1,178	
M5930TC							2	3					2	3			8	24,927	8,491	38-21/32" / 982	
MSB30PD											1		2	2	1		6	9,866	2,247	38-21/32" / 982	
MSC30TALL																6	6	30,738	527	65-5/32" / 1655	
		¥-1	WIDE			w	IDE				NAD	DUM			POWER	RIN	7.7	2 1/2 (2)	150135	90 M M 3 W	A 02 12

MACSIMIA 27" DEEP			338" 24.34" 1488 57 E	59", 24.34", 1499, 88.50	534" 24.37" 1489 174	37.35 24.30 149 146.	37.30 149 125.3	37.35 (28) (24) (26) (5)	37.30 12" 23" 889 88	18.50 184 849 11.	18.55 1/4" 216" 819" 12.	1855 238 24 473 55	18:50 12 12 12 12 18 18 18 18 18 18 18 18 18 18 18 18 18	185	1250 12 23 173 173 173 173 173 173 173 173 173 17	18.56	16" 88" 24" 48 3	14 (23) (23) (25)	Style	, OUN,	Well II	Wienm 8
M8827P		1		1		1	2	1	1	5	4		2	1				19	48,472	13,083	46-3/8" / 1,178	1,238
M8827PDP		1		1		1	2	1	1	3	4		1	1	1			17	48,140	12,082	46-3/8" / 1,178	1,238
M8827XP	1	2	3		1					2	2		1	1				13	48,517	11,173	46-3/8" / 1,178	1,238
M6627P		1		1		1	2	1	1			2		1				10	36,902	8,930	46-3/8" / 1,178	740
M6627PDP		1		1		1	2	1	1			2			1			10	36,902	8,930	46-3/8" / 1,178	740
M8827TC						3	2			6	4							15	32,756	11,173	27-1/4" / 692	680
M6627TC						3	2			3	2							10	24,579	8,359	27-1/4" / 692	550
MSB27										1	2	3	1					7	12,109	3,320	38-9/16" / 979	290
MSB27PD										1	2	2			1			6	12,109	3,320	38-9/16" / 979	290
MSC27SHRT																2		2	13,765	923	38-9/16" / 979	200
MSC27TALL																3	3	6	27,545	3,285	65-3/16" / 1,656	340
4.6			X-WIDE				WI	DE			ı	VARROV	1		POWER Drawer	BIN				K.		



		DRAIL	3.5.85.85.	3.5 × 145.	75 754 584 7864		4589	35 × 582		\$ \\ \frac{\partial \text{2}}{\partial \text{2}}	174	\$ \frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{	785 S	5.5,290	347	28, 584		/ · /	
ECH "	M	44.36	28 128 128 188 88 88 88 88 88 88 88 88 88 88 88 8	8" (23" / 128	238" 23" 11 57 58 28" 23" 7 58	28° (23°) 18° (84)	13.3 (3.3) (3.3) (3.4) (3.3) (3.3) (3.3) (3.3)	33. 2. 1/4" (11/4") 33.2. (3.2. 2.2.)	13.30 1.330 1.33 1.55 1.55 1.55 1.55 1.55 1.55 1.55	13.35 (23.25) (33.74) (34.75) (33.74) (33.74)	34,	1230 121 12 12 12 12 12 12 12 12 12 12 12 12	13. 17. 1/2" 34, 13. 13. 13. 13. 13. 13. 13. 13. 13. 13.	Shift 13/18" 23 315.5.29	18/2 18/18/18/18/18/18/18/18/18/18/18/18/18/1	Si Julium	Int. S. C. M.	Miles No.	Meter.
RODUCT # 6725P	1	1	2	2	/ ''	1	4	4	1	1	1			/ 3	18	30,441	8,652	41" / 1,041	600
6725PDP	1	1	2	2		1	2	4	1		1	1			16	30,127	7,975	41" / 1,041	600
6725DT	1	1	2	2		1	2	4	1		1	1			16	30,127	7,975	43" / 1,092	700
5025P	1	1	2	2		1	1		1		1				10	23,248	6,185	41" / 1,041	425
5025PDP	1	1	2	2		1	1		1			1			10	22,574	6,124	41" / 1,041	425
3425			4	2	1	1									8	15,014	5,150	41" / 1,041	315
6725TC			2	2	1		4	4	2						15	23,346	7,713	27-5/8" / 702	450
5025TC			2	2	1		2	2	1						10	19,456	6,098	27-5/8" / 702	355
3425TC			2	2	1										5	12,038	3,864	27-5/8" / 702	205
SB25							2	2	2	1					7	7,373	2159	34" / 863	190
SB25PD							2	2	1			1			6	7,373	2159	34" / 863	190
SC25TALL													1	4	5	20,119	1,873	58" / 1,473	200
	X-V	VIDE		W	IDE			ı	NARROV	V		POWER Drawer	BIN						1 =

EDGE ¹⁷ 22" DEEP PRODUCT #	M W	18 33/6 10 May	36 138 139 134 134 314 314 314	35. 32/6" 1 (24) 35	34. 38. 10 14. 904.5	1.38" 19.14" 904 89 24" 18.17" 18.17"	34. 121/2 884 35. M	27" 116" 18.3 BA 190, 3	1,38",18",18",488	27. 18.18.18.1.	12" 19,19,18	138 1914 52 145 12 5 18 18 18 18 18 18 18 18 18 18 18 18 18	12, 12, 13, 13, 1489 12, 12, 13, 14, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15	15/8 18/1/2 18/30 18/2 18/2 18/2 18/2 18/2 18/2 18/2 18/2	10° 19.14° (35, 150, 3	Mulling Sp. 25, 28	i Comi	Miles N. J. John
E5422-B					3	3	1								7	8,863	2,856	38-9/16" / 980
E4122-B			1	1				2	2	1	2	1		1	11	13,435		38-9/16" / 980
E5422-B	1	1			2	2	1				2	1		1	11	18,557		38-9/16" / 980
E2722TC-B					2	2	1								5	8,780	8,780	27-11/16" / 704
E4122TC-B			2	2											4	13,936	13,936	27-11/16" / 704
E5422TC-B					2		1				2		1		6	19,056	19,056	27-11/16" / 704
ESC22TALL																		
		X-V	VIDE				W	IDE				NAR	ROW			N 1		

UTILITE CARTS		36.12 13 13 13 19 19 19 19 19 19 19 19 19 19 19 19 19	41,3% 1/2, 1/3, 1/3, 483	38.7. 184. 189.4. 180.	176" 43" 105" 1057 203	27" 2 1376" 3 85" 7	27. 18. 18. 18. 18. 31	27. 534 18. 18. 37. 45.	34" 1316" 181.	34" 181m 534 145	34" 1814 BA 37 490	30, 5 191, 181, 181, 189, 180	30°, 5 (4°, 78°, 78°, 74°)	35.71. 18. 18. 45.	35/4 134 23 146 155	35/116 33 10/4	110" 5176" 583 111111116" 33 80, 1		W. S.	Helon Park
C3720DTH	1											2	1				3	13,761	2,950	43" / 1,092
C3720DTF	1											2	3				5	18,220	3,394	43" / 1,092
C3720DTF C3720SLH	1	1			2							2	3							-
	1	1			2								3 1 3				5	18,220	3,394	43" / 1,092
C3720SLH	1	1	1	1								2	1	2	2	2	5	18,220 19,741	3,394 2,926	43" / 1,092 43" / 1,092
C3720SLH C3720SLF C4125FD	1	1	1	1		1	2					2	1	2	2	2	5 3 5	18,220 19,741 18,894	3,394 2,926 4,006	43" / 1,092 43" / 1,092 43" / 1,092
C3720SLH C3720SLF C4125FD C2822DTH	1	1	1	1		1 2	2	1				2	1	2	2	2	5 3 5 6	18,220 19,741 18,894 24,722	3,394 2,926 4,006 5,823	43" / 1,092 43" / 1,092 43" / 1,092 47" / 1,194
C3720SLH C3720SLF	1	1	1	1		1 2		1	1	2		2	1	2	2	2	5 3 5 6 3	18,220 19,741 18,894 24,722 3,540	3,394 2,926 4,006 5,823 1,216	43" / 1,092 43" / 1,092 43" / 1,092 47" / 1,194 41-7/8" / 1,064



GREAT TO WORK WITHTM

SECTION

RATCHETANDSOCKET



SUB-CATEGORIES:

62

1/4" DRIVE RATCHETS

70

1/4" DRIVE SOCKETS

76

3/8" DRIVE RATCHETS

82

3/8" DRIVE SOCKETS

92

1/2" DRIVE RATCHETS

98

1/2" DRIVE SOCKETS

108

3/4" DRIVE RATCHETS

110

3/4" DRIVE SOCKETS

111

CROWFOOT WRENCH SETS

112

TORX®, STAR, AND HEX BITS

132

SOCKET STORAGE

136

PRECISION TORQUE SETS

146

MICRO SOCKET SETS

148

ECONOMY SOCKET SETS

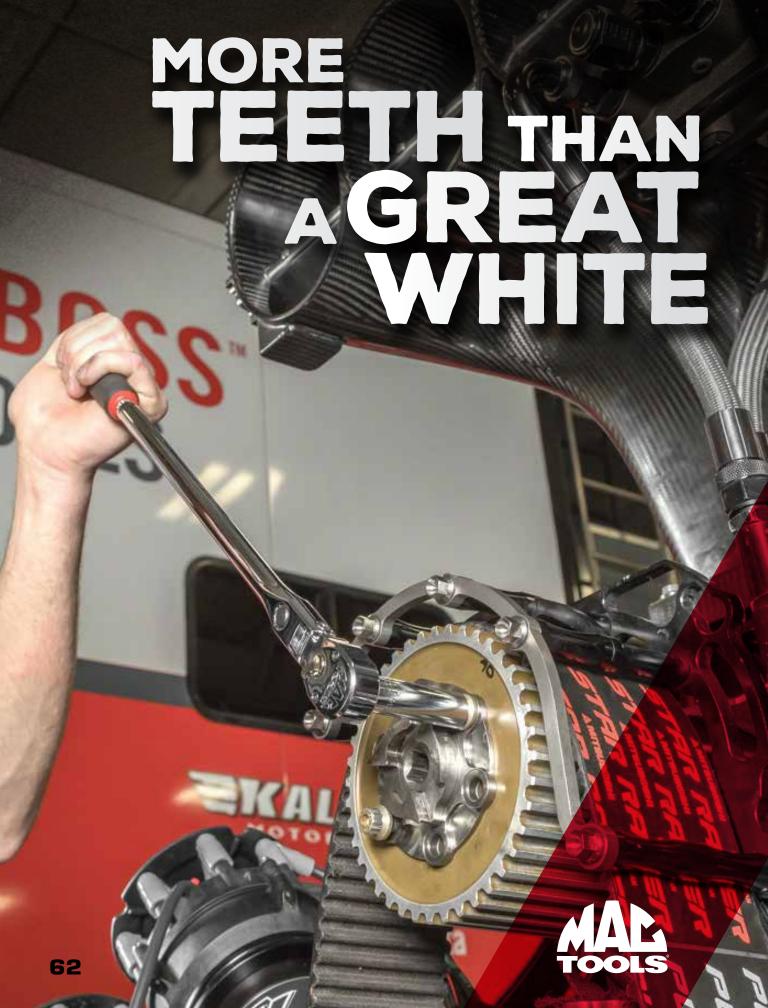
150

RBRT SOCKET SETS

166

FOAM TOOL SETS

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MR990K (NOT SHOWN)

1/4" DRIVE AXIS™ METAL HANDLE RATCHET -9"

MR990PA (NOT SHOWN)

1/4" DRIVE AXIS™ COMFORT HANDLE RATCHET - 9"

MR990FPA

1/4" DRIVE AXIS™ COMFORT HANDLE FLEX RATCHET - 9"

MR990LFPA

1/4" DRIVE AXIS™ COMFORT HANDLE LOCKING FLEX RATCHET - 9"

PRODUCT #	GEAR TEETH	RATCHET SWING	HANDLE	OVERALL LENGTH IN. / MM
MR590K	90	4°	Metal	5" / 127
MR690FK	90	4°	Metal	6" / 152
MR690LFK	90	4°	Metal	6" / 152
MR990K	90	4°	Metal	9" / 228.6

PRODUCT #	GEAR TEETH	RATCHET SWING	HANDLE	OVERALL LENGTH In. / MM
MR690PA	90	4°	Comfort handle	6" / 152
MR990PA	90	4°	Comfort handle	9" / 228.6
MR990FPA	90	4°	Comfort handle	9" / 228.6
MR990LFPA	90	4°	Comfort handle	9" / 228.6





	PRODUCT #	GEAR TEETH	RATCHET SWING	HANDLE	OVERALL LENGTH In. / MM
	MR5K	30	12°	Knurled	5" / 127
Ì	MR100SPA	100	3.6°	Comfort handle	7" / 177.8
	MRR6FPA	72	5°	Comfort handle	6" / 152.4
2	MRR6PA	72	5°	Comfort handle	6" / 152.4



SPECIALTY RATCHETS



MRRSP 1/4" DRIVE PALM **CONTROL SPINNER**

- Small size ideal for working in tight areas
- Aluminum knurled outer ring for secure grip



FDR108 1/4" DRIVE MINI **FINGER RATCHET**

- Small size ideal for working in tight areas
- · Magnet in Hex helps hold in bits
- · Aluminum knurled outer ring for secure grip
- Reversible ratchet: 1/4 male to 1/4 female hex drive

MR4C	MR4C 1/4" DRIVE	-	
	1/4" DRIVE		





OVERALL LENGTH RATCHET SWING 72 5° 3-1/2" / 88.9 5° 3-3/4" / 95.3

MR4FC 1/4" DRIVE MINI **FLEX RATCHET**

MR5BD 1/4" HEX DRIVE **MINI BIT RATCHET**

- Quick-release button locks socket in place and provides quick release when job is completed (Not MR5BD)
- Full-polish, chrome-plated finish
- Ultra-compact 1/4" high tooth-count ratchets ideal for work in tight places

PRODUCT # MR4C MR4FC 72 **FDR108** 72 5° 2-1/4" / 57.2 2-1/4" / 57.2 MRRSP 72 5°

SMEDL3PT

3-PC. 1/4" DRIVE LOCKING HAND DRIVE EXTENSION SET

- · Comfortable PT handle allows for use by hand or with a ratchet
- 1/4" Square drive extends through handle
- Locking feature holds sockets firmly in place

PRODUCT #	OVERALL LENGTH In. / MM	SET
SMEDL3PT	3-PC. 1/4" Locking Hand Drive Extension Set	
MGEDLA	6" / 152.4	•
M10EDLA	10" / 254	•
M14EDLA	14" / 355.6	•



1/4" DRIVERS

1/4" DRIVE SPIN HANDLE

- Doubles as an extension
- Comfort-Grip™ Handle
- Overall length: 6-1/4" / 158.8mm



1/4" DRIVE BREAKER BAR - 6"

- Exclusive triangular grip provides greater control and comfort when applying the load by hand
- Heavy-duty design provides stronger yoke-style head design, black-oxide drive plug provides optimum strength and joint retention performance
- High-polished nickel chrome finish provides corrosion protection and lasting appearance

M9EPSW

M14SL

1/4" DRIVE LOCKING

· Vertical grip for greater comfort and speed · Quick-release lock-ring secures socket in place

• Full-polish chrome for superior protection

SPEED HANDLE

1/4" DRIVE EXTENSION WRENCH

- Compact design and O° swing arc provides users access in even the tightest working areas
- Lightweight aluminum construction
- · Optimized gear ratio designed to reduce fastener removal time
- Engineered to be used with a ratchet or impact tool



1/4" DRIVE 9" HEX END **EXTENSION WRENCH**

- Compact design and O° swing arc provides users access in even the tightest working areas
- · Lightweight aluminum construction
- Optimized gear ratio designed to help reduce fastener removal time

SDRFL2PT

2-PC. 1/4" DRIVE **FLEX DRIVER SET**

- Flexible ends bend to desired position
- Extra long shafts provide access to hard-to-reach areas
- Comfortable two-piece composite handle
- Overall length: 24" / 609.6mm

PRODUCT #	DESCRIPTION	SET
SDRFL2PT	2-PC. 1/4" Drive Flex Driver Set	
DRFLNB	1/4" Bit Driver	•
DRFLNS	1/4" Socket Driver	•



EXTENSIONS



5-PC. 1/4" DRIVE **KNURLED EXTENSION SET**

PRODUCT #	OVERALL LENGTH IN. / MM	SET
SMEK5PT	5-PC. 1/4" Drive Knurled Extensio	n Set
M1EK	1" / 25.4	
M2EK	2" / 50.8	•
M4EK	4" / 101.6	•
M6EK	6" / 152.4	•
 M10EK	10" / 254	•
M14EK	14" / 355.6	•
M24EK	24" / 609.6	



SME6EKLTQ

6-PC. 1/4" DRIVE **LOCKING EXTENSION SET**

PRODUCT #	OVERALL LENGTH In. / MM	SET
SME6EKLTQ	6-PC. 1/4" Drive Locking Extension S	Set
M2EKLQ	2" / 50.8	•
M4EKLQ	4" / 101.6	•
M6EKLQ	6" / 152.4	•
M10EKLQ	10" / 254	•
M14EKLQ	14" / 355.6	•
M24EKLQ	24" / 609.6	•



M3UL

1/4" DRIVE LOCKING **UNIVERSAL JOINT**

- Universal design allows access to tight obstructed areas
- · Quick-release locking collar holds sockets in place
- · High-polish chrome finish
- Overall length: 3" / 76.2mm

6" EXTENSION UNIVERSAL LOCKING EXTENSIONS

- Ideal for work in tight areas
- Universal design for access around obstacles
- · Locking button allows sockets to be held in place
- · Full-polish, chrome-plated finish

M6EUL









OVERALL LENGTH In. / MM	SET
5-PC. 1/4" Drive Wobble Extension	n Set
1" / 25.4	
2" / 50.8	•
4" / 101.6	•
6" / 152.4	•
10" / 254	•
14" / 355.6	•
	1N. / MM 5-PC. 1/4" Drive Wobble Extensio 1" / 25.4 2" / 50.8 4" / 101.6 6" / 152.4 10" / 254

SMP5EKL

5-PC. 1/4" DRIVE IMPACT **LOCKING EXTENSION SET**

- Great for dashboard applications
- Single body construction
- Female end of the tool has a lead-in angle of 45° for easy installation

PRODUCT #	IN. / MM	SET
SMP5EKL	5-PC. 1/4" Drive Impact Locking Extension Set	
MP3EKL	3" / 76.2	•
MPGEKL	6" / 152.4	•
MP12EKL	12" / 304.8	•
MP18EKL	18" / 457.2	•
MP24EKL	24" / 609.6	•





A812 ADAPTER

- 1/4" Female square
- 3/8" Male square
- Overall length: 7/8" / 22.2mm



AP812 **IMPACT ADAPTER**

- 1/4" Female square
- 3/8" Male square
- Overall length: 7/8" / 22.2mm



M3U

1/4" **DRIVE UNIVERSAL ADAPTER**

- 1/4" Female square
- 1/4" Male square
- Overall length: 1-13/32" / 35.7mm



MUP2B 1/4" DRIVE IMPACT BALL-**DETENT UNIVERSAL JOINT**

- · Ball and spring type joint
- 30° Working angle
- Overall length: 1-13/32" / 35.7mm



1/4" DRIVE 1" **LOCKING EXTENSION**

- · Locks socket on one end
- Locks to ratchet with set screw on the other end



1/4" DRIVE FLEXIBLE **DRIVER AND EXTENSION**

- Ideal for work in tight areas
- Flexible male driver and female extension
- Overall length: 4" / 101.6mm

1/4" DRIVE SOCKETS SETS



The tools on this page have been **PROUDLY MADE IN THE USA** with global components.



SAE SOCKET SETS

PRODUCI	ſ#	SIZE	OVERALL LENGTH IN. / MM	SI	ŧΤ
SM1021	rr		T. 1/4" Drive rd Socket Set		
SM1061	rr	10-PC. 6-PT SAE Standar	. 1/4" Drive rd Socket Set		
	M62	3/16"	7/8" / 22.2		•
	M72	7/32"	7/8" / 22.2		•
	M82R	1/4"	7/8" / 22.2		•
	M92R	9/32"	7/8" / 22.2		•
SAE 12	M102R	5/16"	7/8" / 22.2		•
12	M112R	11/32"	7/8" / 22.2		•
	M122R	3/8"	7/8" / 22.2		•
	M142R	7/16"	7/8" / 22.2		•
	M162R	1/2"	7/8" / 22.2		•
	M182R	9/16"	7/8" / 22.2		•
	M46	1/8"	7/8" / 22.2		
	M56	5/32"	7/8" / 22.2		
	M66R	3/16"	7/8" / 22.2	•	
	M76R	7/32"	7/8" / 22.2	•	
	M86R	1/4"	7/8" / 22.2	•	
	M96R	9/32"	7/8" / 22.2	•	
SAE G	M106R	5/16"	7/8" / 22.2	•	
	M116R	11/32"	7/8" / 22.2	•	
	M126R	3/8"	7/8" / 22.2	•	
	M146R	7/16"	7/8" / 22.2	•	
	M166R	1/2"	7/8" / 22.2	•	
	M186R	9/16"	7/8" / 22.2	•	
	МТЗ	N	letal Tray	•	•



METRIC SOCKET SETS

PRODUCT #		SIZE	OVERALL LENGTH IN. / MM	SET	
SMM102TR		10-PC. 12-PT. 1/4" Drive Metric Socket Set			
SMM106TR			6-PT. 1/4" Drive Socket Set		
MM 12	M25MM	5	7/8" / 22.2		•
	M26MMR	6	7/8" / 22.2		•
	M27MMR	7	7/8" / 22.2		•
	M28MMR	8	7/8" / 22.2		•
	M29MMR	9	7/8" / 22.2		•
	M210MMR	10	7/8" / 22.2		•
	M211MMR	11	7/8" / 22.2		•
	M212MMR	12	7/8" / 22.2		•
	M213MMR	13	7/8" / 22.2		•
	M214MMR	14	7/8" / 22.2		•
MM 6	M65MMR	5	7/8" / 22.2	•	
	M65.5MMR	5.5	7/8" / 22.2		
	M66MMR	6	7/8" / 22.2	•	
	M67MMR	7	7/8" / 22.2	•	
	M68MMR	8	7/8" / 22.2	•	
	M69MMR	9	7/8" / 22.2	•	
	M610MMR	10	7/8" / 22.2	•	
	M611MMR	11	7/8" / 22.2	•	
	M612MMR	12	7/8" / 22.2	•	
	M613MMR	13	7/8" / 22.2	•	
	M614MMR	14	7/8" / 22.2	•	
	M615MMR	15	7/8" / 22.2		
	МТЗУ		Metal Tray	•	•



SAE INTERMEDIATE SOCKET SETS

PRODUCT #		SIZE	OVERALL LENGTH IN. / MM	SET
SM12T		12-PC. 12-PT. 1/4" Drive SAE Intermediate Socket Set		
	M422	1/8"	1-1/4" / 31.8	•
	M522	5/32"	1-1/4" / 31.8	•
	M622	3/16"	1-1/4" / 31.8	•
	M722	7/32"	1-1/4" / 31.8	•
	M822	1/4"	1-1/4" / 31.8	•
SAE 12	M922	9/32"	1-1/4" / 31.8	•
	M1022	5/16"	1-1/4" / 31.8	•
	M1122	11/32"	1-1/4" / 31.8	•
	M1222	3/8"	1-1/4" / 31.8	•
	M1422	7/16"	1-1/4" / 31.8	•
	M1622	1/2"	1-1/4" / 31.8	•
	M1822	9/16"	1-1/4" / 31.8	•



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METRIC INTERMEDIATE SOCKET SET

PRODUCT #		SIZE	OVERALL Length In. / MM	SET
SMI126	TR		" Drive Metric te Socket Set	
	MI65.5MMR	5.5	1-1/4" / 31.4	•
	MI65MMR	5	1-1/4" / 31.4	•
	MI66MMR	6	1-1/4" / 31.4	•
	MI67MMR	7	1-1/4" / 31.4	•
	MI68MMR	8	1-1/4" / 31.4	•
	MI69MMR	9	1-1/4" / 31.4	•
MM 6	MI610MMR	10	1-1/4" / 31.4	•
ت	MI611MMR	11	1-1/4" / 31.4	•
	MI612MMR	12	1-1/4" / 31.4	•
	MI613MMR	13	1-1/4" / 31.4	•
	MI614MMR	14	1-1/4" / 31.4	•
	MI615MMR	15	1-1/4" / 31.4	•
	MT17Y	N	Metal Tray	•



SAE DEEP SOCKET SETS

	PRODUCT	·#	SIZE	OVERALL Length In. / MM	SI	ŧΤ
	SMD821	rr .	8-PC. 1/4"	Drive SAE Deep Soc	ket Se	t
	SMD861	TR .	8-PC. 1/4"	Drive SAE Deep Socke	t Set	
		MD82R	1/4"	2" / 50.8		•
		MD92R	9/32"	2" / 50.8		•
		MD102R	5/16"	2" / 50.8		•
	SAE 12	MD112R	11/32"	2" / 50.8		
	12	MD122R	3/8"	2" / 50.8		•
		MD142R	7/16"	2" / 50.8		•
		MD162R	1/2"	2" / 50.8		•
		MD182R	9/16"	2" / 50.8		•
		MD66R	3/16"	2" / 50.8		
		MD76R	7/32"	2" / 50.8		
		MD86R	1/4"	2" / 50.8	•	
		MD96R	9/32"	2" / 50.8	•	
		MD106R	5/16"	2" / 50.8	•	
	SAE 6	MD116R	11/32"	2" / 50.8	•	
	Ů	MD126R	3/8"	2" / 50.8	•	
		MD146R	7/16"	2" / 50.8	•	
		MD166R	1/2"	2" / 50.8	•	
		MD186R	9/16"	2" / 50.8	•	
		MT1	N	Netal Tray	•	•



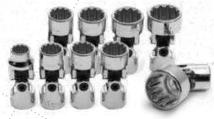
PRODUCT	·#	SIZE	OVERALL LENGTH IN. / MM	SI	T
SMDM102TR		10-PC. 1 Metric D	/4" Drive eep Socket Set		
SMDM1	O6TR	10-PC. 1/ Metric Do	4" Drive eep Socket Set		
	MD25MM	5	2" / 50.8		•
	MD26MMR	6	2" / 50.8		•
	MD27MMR	7	2" / 50.8		•
	MD28MMR	8	2" / 50.8		•
MM	MD29MMR	9	2" / 50.8		•
12	MD210MMR	10	2" / 50.8		•
	MD211MMR	11	2" / 50.8		•
	MD212MMR	12	2" / 50.8		•
	MD213MMR	13	2" / 50.8		•
	MD214MMR	14	2" / 50.8		•
	MD64MM	4	2" / 50.8		
	MD65MMR	5	2" / 50.8	•	
	MD65.5MMR	5.5	2" / 50.8		
	MD66MMR	6	2" / 50.8	•	
	MD67MMR	7	2" / 50.8	•	
	MD68MMR	8	2" / 50.8	•	
MM	MD69MMR	9	2" / 50.8	•	
6	MD610MMR	10	2" / 50.8	•	
	MD611MMR	11	2" / 50.8	•	
	MD612MMR	12	2" / 50.8	•	
	MD613MMR	13	2" / 50.8	•	
	MD614MMR	14	2" / 50.8	•	
	MD615MMR	15	2" / 50.8		
	MT4Y	N	letal Tray	•	

1/4" D'?\\/= UNIVERSAL SOCKETS SETS



SAE UNIVERSAL SOCKET SET

PRODUCT #		ICT # SIZE OVERALL LENGTH		SI	ŧΤ	
SMU72TRA 7-PC. 1/			/4" Drive SI	AE Universal Socket S	Get	
SMU76	TRA	7-PC. 1	/4" Drive SI	AE Universal Socket S	Get	
	MU	82RA	1/4"	1-3/16" / 30.2		•
	MU	102RA	5/16"	1-3/16" / 30.2		•
	MU	112RA	11/32"	1-3/16" / 30.2		•
SAE 12	MU	122RA	3/8"	1-3/16" / 30.2		•
U	MU	142RA	7/16"	1-3/16" / 30.2		•
	MU	162RA	1/2"	1-3/16" / 30.2		•
	MU	182RA	9/16"	1-3/16" / 30.2		•
	MU	86RA	1/4"	1-3/16" / 30.2	•	
	MU	106RA	5/16"	1-3/16" / 30.2	•	
	MU	116RA	11/32"	1-3/16" / 30.2	•	
SAE	MU	126RA	3/8"	1-3/16" / 30.2	•	
6	MU	146RA	7/16"	1-3/16" / 30.2	•	
	MU	166RA	1/2"	1-3/16" / 30.2	•	
	MU	186RA	9/16"	1-3/16" / 30.2	•	
	MT	2R		Metal Tray	•	•



METRIC UNIVERSAL SOCKET SETS

PRODUCT	PRODUCT#		SIZE MM	OVERALL LENGTH IN. / MM	SET
SMMU9	2TRA	9-PC. 1/4"	Drive M	etric Universal Socke	t Set
	MU26	MMRA	6	1-3/16" / 30.2	•
	MU27	MMRA	7	1-3/16" / 30.2	•
	MU28	MMRA	8	1-3/16" / 30.2	•
	MU29	MMRA	9	1-3/16" / 30.2	•
MM	MU21	OMMRA	10	1-3/16" / 30.2	•
12	MU21	1MMRA	11	1-3/16" / 30.2	•
	MU21	2MMRA	12	1-3/16" / 30.2	•
	MU21	3MMRA	13	1-3/16" / 30.2	•
	MU21	4MMRA	14	1-3/16" / 30.2	•
	МТЗҮ			Metal Tray	•

PRODUCT	ſ#		SIZE MM	OVERALL LENGTH IN. / MM	SET
SMMU9	6TRA	9-PC. 1/4"	Drive Me	tric Universal Socket Se	ŧ
	MU66	MMRA	6	1-3/16" / 30.2	•
	MU67	MMRA	7	1-3/16" / 30.2	•
	MU68	MMRA	8	1-3/16" / 30.2	•
	MU69	MMRA	9	1-3/16" / 30.2	•
	MU61	OMMRA	10	1-3/16" / 30.2	•
MM 6	MU61	1MMRA	11	1-3/16" / 30.2	•
Y	MU61	2MMRA	12	1-3/16" / 30.2	•
	MU61	3MMRA	13	1-3/16" / 30.2	•
	MU61	4MMRA	14	1-3/16" / 30.2	•
	MU61	5MMRA	15	1-3/16" / 30.2	
	МТЗҮ			Metal Tray	•







SMMP96TR **METRIC IMPACT SOCKET SET**

PRODUCT #

PRODUCT #		SIZE MM	OVERALL LENGTH IN. / MM	SET	
SMMP9	6TR	9-PC. 1/4"	Drive Me	tric Impact Socket Se	t
	MP65	.5MMR	5.5	7/8" / 22.2	•
	MP66	MMR	6	7/8" / 22.2	•
	MP67	MMR	7	7/8" / 22.2	•
	MP68	MMR	8	7/8" / 22.2	•
MM	MP69	MMR	9	7/8" / 22.2	•
	MP61	OMMR	10	7/8" / 22.2	•
	MP61	1MMR	11	7/8" / 22.2	•
	MP61	2MMR	12	7/8" / 22.2	•
MP61	3MMR	13	7/8" / 22.2	•	
	мтэү			Metal Tray	•



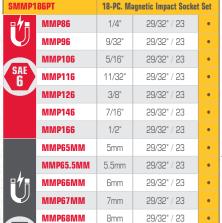
SMIP106TR **SAE INTERMEDIATE IMPACT SOCKET SET**

PRODUCT #		SIZE IN.	OVERALL LENGTH IN. / MM	SET	
SMIP106TR 10-PC. 1/4 Socket Se			LE Intermediate Impact		
	MIP	66R	3/16"	1-1/4" / 31.8	•
	MIP	76R	7/32"	1-1/4" / 31.8	•
	MIP	86R	1/4"	1-1/4" / 31.8	•
	MIP	96R	9/32"	1-1/4" / 31.8	•
	MIP	106R	5/16"	1-1/4" / 31.8	•
SAE 6	MIP	116R	11/32"	1-1/4" / 31.8	•
V	MIP	126R	3/8"	1-1/4" / 31.8	•
	MIP	146R	7/16"	1-1/4" / 31.8	•
	MIP	166R	1/2"	1-1/4" / 31.8	•
	MIP	186R	9/16"	1-1/4" / 31.8	•
	MT4	ļ		Metal Tray	•



SMMIP126TR **METRIC INTERMEDIATE IMPACT SOCKET SET**

			SIZE	OVERALL LENGTH	
PRODUCT	PRODUCT #		MM	IN. / MM	SET
SMMIP	126TR	12-PC. 1/4 Impact So		Netric Intermediate	
	MIP65	MMR	5	1-1/4" / 31.8	•
	MIP65	.5MMR	5.5	1-1/4" / 31.8	•
	MIP66	MMR	6	1-1/4" / 31.8	•
	MIP67	MMR	7	1-1/4" / 31.8	•
	MIP68	MMR	8	1-1/4" / 31.8	•
	MIP69	MMR	9	1-1/4" / 31.8	•
MM 6	MIP61	OMMR	10	1-1/4" / 31.8	•
Ů	MIP61	1MMR	11	1-1/4" / 31.8	•
	MIP61	2MMR	12	1-1/4" / 31.8	•
	MIP61	3MMR	13	1-1/4" / 31.8	•
	MIP61	4MMR	14	1-1/4" / 31.8	•
	MIP61	5MMR	15	1-1/4" / 31.8	•
	MT6Y			Metal Tray	•



9mm

10mm

11mm

12mm

13mm

14mm

3

MMP69MM

MMP610MM

MMP611MM

MMP612MM

MMP613MM

MMP614MM

SIZE

OVERALL LENGTH



SMMP186PT **MAGNETIC IMPACT SOCKET SET**

- · Magnetic feature holds nuts and bolts securely in tight working spaces
- Ideal for work in tight places



SMMDMP126PT **METRIC MAGNETIC IMPACT SOCKET SET**

- · Magnetic feature holds nuts and bolts securely in tight work areas
- Spring-loaded magnet allows for use on longer bolts

PRODUCT	PRODUCT #		OVERALL LENGTH IN. / MM	SET
SMMDN	ЛР126РТ	12-PC. 1 Magneti	/4" Drive Metric Deep c Impact Socket Set	
	MDMP65MM	5	2" / 50.8	•
	MDMP65.5MM	5.5	2" / 50.8	•
	MDMP66MM	6	2" / 50.8	•
	MDMP67MM	7	2" / 50.8	•
	MDMP68MM	8	2" / 50.8	•
MM	MDMP69MM	9	2" / 50.8	•
6	MDMP610MM	10	2" / 50.8	•
	MDMP611MM	11	2" / 50.8	•
	MDMP612MM	12	2" / 50.8	•
	MDMP613MM	13	2" / 50.8	•
	MDMP614MM	14	2" / 50.8	•
	MDMP615MM	15	2" / 50.8	•

29/32" / 23

29/32" / 23

29/32" / 23

29/32" / 23

29/32" / 23

29/32" / 23

1/4" DRIVE SOCKETS IMPACT SOCKETS SETS



SMDPM96PTR METRIC DEEP IMPACT SOCKET SET

PRODUCT	PRODUCT #		SIZE MM	OVERALL LENGTH IN. / MM	SET
SMDPM	96PTR	9-PC. 1/4 Impact So		letric Deep	
	MDP65	.5MMR	5.5	2" / 50.8	•
	MDP66	MMR	6	2" / 50.8	•
	MDP67	MMR	7	2" / 50.8	•
	MDP68	MMR	8	2" / 50.8	•
MM	MDP69	MMR	9	2" / 50.8	•
	MDP61	OMMR	10	2" / 50.8	•
	MDP61	1MMR	11	2" / 50.8	•
	MDP61	2MMR	12	2" / 50.8	•
	MDP61	3MMR	13	2" / 50.8	•
	MTGY			Plastic Tray	•



SAE UNIVERSAL IMPACT SOCKET SETS

• 30° Working angle

PRODUCT	PRODUCT#		SIZE	OVERALL Length In. / MM	S	ĒΤ
SMUP5	2TR			12-PT. SAE Standar Socket Set	d	
SMUP50	6TR			6-PT. SAE Standard t Socket Set		
	MUP8	2R	1/4"	1-5/16" / 33.3		•
	MUP1	02R	5/16"	1-5/16" / 33.3		•
SAE 12	MUP1	22R	3/8"	1-1/2" / 38.1		•
	MUP1	42R	7/16"	1-1/2" / 38.1		•
	MUP1	62R	1/2"	1-5/8" / 41.3		•
	MUP8	6R	1/4"	1-5/16" / 33.3	•	
	MUP1	06R	5/16"	1-5/16" / 33.3	•	
SAE	MUP1	26R	3/8"	1-1/2" / 38.1	•	
6	MUP1	46R	7/16"	1-1/2" / 38.1	•	
	MUP1	66R	1/2"	1-5/8" / 41.3	•	
	MT13		1	Metal Tray	•	•



METRIC UNIVERSAL IMPACT SOCKET SETS

• 30° Working angle

PRODUCT	T#		SIZE	OVERALL LENGTH IN. / MM	SET
SMUPM	96TR	9-PC. 1/4" Impact Soc		PT. Metric Universal	
	MUP6	5.5MMR	5.5	2" / 50.8	•
	MUP6	6MMR	6	2" / 50.8	•
	MUP6	7MMR	7	2" / 50.8	•
	MUP6	8MMR	8	2" / 50.8	•
MM	MUP6	9MMR	9	2" / 50.8	•
6	MUP6	10MMR	10	2" / 50.8	•
	MUP6	11MMR	11	2" / 50.8	•
	MUP6	12MMR	12	2" / 50.8	•
	MUP6	13MMR	13	2" / 50.8	•
	MT14	Y		Metal Tray	•









XR790AK

3/8" DRIVE AXIS™ METAL **HANDLE RATCHET - 7"**

XR1390AK (NOT SHOWN)

3/8" DRIVE AXIS™ METAL HANDLE RATCHET - 13"

XR990APA (NOT SHOWN)

3/8" DRIVE AXIS™ COMFORT **HANDLE RATCHET - 9"**

XR1390APA

3/8" DRIVE AXIS™ COMFORT **HANDLE RATCHET - 13"**

XR1390AFPAS

3/8" DRIVE AXIS™ BENT **COMFORT HANDLE FLEX** RATCHET - 13"

PRODUCT #	GEAR TEETH	RATCHET SWING	HANDLE	OVERALL LENGTH IN. / MM
XR790AK	90	4°	Metal	7" / 1
XR1390AK	90	4°	Metal	13" / 330
XR990APA	90	4°	Comfort handle	9" / 228.6
XR1390APA	90	4°	Comfort handle	13" / 330
XR1390AFPAS	90	4°	Bent Comfort handle	13" / 330



XR1390LFK* (NOT SHOWN).

3/8" DRIVE AXIS™ METAL HANDLE LOCKING FLEX RATCHET - 13"

XR1390LFPA* (NOT SHOWN)

3/8" DRIVE AXIS™ COMFORT HANDLE LOCKING FLEX RATCHET - 13"

XR1890LFPA*

3/8" DRIVE AXIS™ COMFORT HANDLE LOCKING FLEX RATCHET - 18"

XR990AFPA (NOT SHOWN)

3/8" DRIVE AXIS™ COMFORT HANDLE FLEX RATCHET - 9"

XR1390AFPA

3/8" DRIVE AXIS™ COMFORT HANDLE FLEX RATCHET - 13"

XR1890AFPA (NOT SHOWN)

3/8" DRIVE AXIS™ COMFORT HANDLE FLEX RATCHET - 18"

PRODUCT #	GEAR TEETH	RATCHET SWING	HANDLE	OVERALL LENGTH IN. / MM
XR990AFPA	90	4°	Comfort handle	9" / 228.6
XR1390AFPA	90	4°	Comfort handle	13" / 330
XR1890AFPA	90	4°	Comfort handle	18" / 457.2
XR1390LFK°	90	4°	Metal	13" / 330
XR1390LFPA*	90	4°	Comfort handle	13" / 330
XR1890LFPA°	90	4°	Comfort handle	18" / 457.2



*WARNING: To reduce the risk of injury, never use an extension or cheater bar. Apply smooth consistent force. Avoid jerking motions or striking the tool when loosening or tightening fasteners.

Always check the tool for damage before use.



물에게 있는데 기계적인 기계적이 되었다면 한 것이 하면 이 기계적인 경험을 하는 그래까지 않아야 그래 가게 하는 것이 하는데 가게 하는데 하다 하는데 하다 하는데 하다.				
PRODUCT #	GEAR TEETH	RATCHET SWING	HANDLE	OVERALL LENGTH IN. / MM
XR5MK	30	12°	Knurled	4-3/4" / 120.7
XR8K	30	12°	Knurled	8" / 203.2
XR1390AFK	90	12°	Knurled	13" / 330.2

PRODUCT #	GEAR TEETH	RATCHET SWING	HANDLE	OVERALL LENGTH In. / MM
XR100SPA	100	3.6°	Comfort handle	11-7/16" / 290.5
XRR10PA	72	5°	Comfort handle	10" / 254
XRR11FPA	72	5°	Comfort handle	11" / 279.4



SPECIALTY RATCHETS



- Compact design and O° swing arc provides users access in even the tightest working areas
- Lightweight aluminum construction
- Optimized gear ratio designed to reduce fastener removal time
- Engineered to be used with a ratchet or impact tool

X12SF 3/8" DRIVE BREAKER BAR - 12"

- Exclusive triangular grip provides greater control and comfort when applying the load by hand
- Heavy-duty design provides stronger yoke-style head design, black-oxide drive plug provides optimum strength and joint retention performance

XR4C 3/8" DRIVE MINI RATCHET - 4"

- Stubby design gives user access in the tightest of spaces
- Push-button socket release

SXEDLA3PT 3-PC. 3/8" DRIVE LOCKING HAND DRIVE EXTENSION SET

- Can be used by hand or with ratchets
- Tri-lobal handle design is sleek and palm size, will not interfere with ratchets
- · Locking feature holds sockets firmly in place

PRODUCT #	OVERALL LENGTH In. / MM	SET
SXEDLA3PT	3-PC. 3/8" Locking Hand Drive Extension Set	
XGEDLA	6" / 152.4	•
X10EDLA	10" / 254	•
X18EDLA	18" / 457.2	•

3/8" DRIVE EXTENSION SETS



SXEK5PT

5-PC. 3/8" DRIVE **KNURLED EXTENSION SET**

PRODUCT #	OVERALL LENGTH In. / MM	SET
SXEK5PT	5-PC. Knurled Extension Set	
X1E	1" / 25.4	•
ХЗЕК	3" / 76.2	•
XGEK	6" / 152.4	•
X8EK	8" / 203.2	•
X12EK	12" / 304.8	•
X20EK	20" / 508	
X24EK	24" / 609.6	
хз4ек	34" / 863.6	

3/8" DRIVE LOCKING **EXTENSION SETS**

PRODUCT #	OVERALL LENGTH IN. / MM	SI	ĒΤ
SXEGEKLTQ	6-PC. 3/8" Drive Locking Extension Set		
SXE4EKLTQ	4-PC. 3/8" Drive Locking Extension Set		
X3EKLQ	3" / 76.2	•	•
XGEKLQ	6" / 152.4	•	•
X8EKLQ	8" / 203.2	•	•
X12EKLQ	12" / 304.8	•	•
X20EKLQ	20" / 508		•
X24EKLQ	24" / 609.6		•

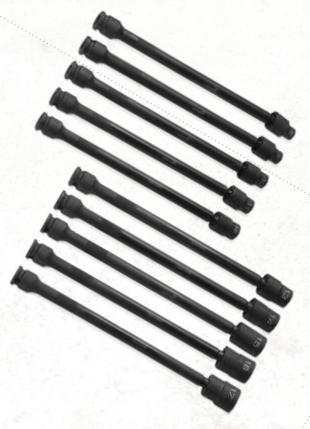


3/8" **DRIVE WOBBLE EXTENSION SETS**

PRODUCT #	OVERALL LENGTH IN. / MM	SI	ΕT
SXEW7PT	7-PC. 3/8" Drive Wobble Extension Set		
SXEW5PT	5-PC. 3/8" Drive Wobble Extension Set		
X1EW	1-1/4" / 31.8	•	•
X3EW	3" / 76.2	•	•
XGEW	6" / 152.4	•	•
X8EW	8" / 203.2	•	•
X12EW	12" / 304.8	•	•
X20EW	20" / 508		•
X24EW	24" / 609.6		•



IMPACT EXTENSION SETS



10-PC. 3/8" DRIVE METRIC IMPACT DRIVELINE SOCKET SET

IIVIFAGI	DHIVL	LINE SOCKE	91	
PRODUCT #	SIZE	OVERALL LENGTH	SI	ī
SXMUEP102B	10-PC. 3/3 Impact So	8" Drive Metric Extensions ocket Set		
SXUEP82B	8-PC. 3/8 Impact So	" Drive SAE Extensions ocket Set		
XUEP516	5/16"	6" / 152.4	•	
XUEP38	3/8"	6" / 152.4	•	
XUEP716	7/16"	6" / 152.4	•	
XUEP12	1/2"	6" / 152.4	•	
XUEP916	9/16"	6" / 152.4	•	
XUEP58	5/8"	6" / 152.4	•	
XUEP1116	11/16"	6" / 152.4	•	
XUEP34	3/4"	6" / 152.4	•	
XUEP8MM	8	6" / 152.4		•
XUEP9MM	9	6" / 152.4		•
XUEP10MM	10	6" / 152.4		•
XUEP11MM	11	6" / 152.4		•
XUEP12MM	12	6" / 152.4		•
XUEP13MM	13	6" / 152.4		•
XUEP14MM	14	6" / 152.4		•
XUEP15MM	15	6" / 152.4		•
XUEP16MM	16	6" / 152.4		•
XUEP17MM	17	6" / 152.4		•



3/8" **DRIVE IMPACT EXTENSIONS**

PRODUCT #	OVERALL LENGTH In. / MM	TYPE
ХРЗЕВ	3" / 76.2	Ball
ХРЗЕР	3" / 76.2	Pin
XP6EP	6" / 152.4	Pin
XP12EP	12" / 304.8	Pin
ХР24ЕР	24" / 609.6	Pin



SXP3EKL

3-PC. 3/8" DRIVE IMPACT **LOCKING EXTENSION SET**

PRODUCT #	OVERALL LENGTH In. / MM	SET
SXP3EKL	3-PC. 3/8" Drive Impact Locking Extension	Set
XP3EKL	3" / 76.2	•
XP6EKL	6" / 152.4	•
XP12EKL	12" / 304.8	•

3/8" DRIVE SPECIALTY ADAPTERS



The tools on this page have been PROUDLY MADE IN THE USA with global components.



X3U **UNIVERSAL JOINT**

- 3/8" Female to 3/8" Male
- Overall length: 1-3/4" / 44.5mm



ADAPTER

- 3/8" Female to 1/4" Male
- Overall length: 1" / 25.4mm



ADAPTER

- 3/8" Female to 1/2" Male
- Overall length: 1-5/16" / 33.3mm



IMPACT ADAPTER

- 3/8" Female to 1/2" Pin Male
- Overall length: 1-5/16" / 33.3mm



AP128 IMPACT ADAPTER

- 3/8" Female to 1/4" Male
- Overall length: 1" / 25.4mm



X2LA

LOCKING ADAPTER

- 3/8" Female to 3/8" Male
- Overall length: 2" / 50.8mm
- · Locks socket on drive end with a quick-release collar



XUP2PB UNIVERSAL **JOINT ADAPTER**

- 3/8" Female to 3/8" Pin Male
- Overall length: 2" / 50.8mm



XUP2BB **UNIVERSAL JOINT ADAPTER**

- 3/8" Female to 3/8" Male
- Overall length: 2" / 50.8mm



SPECIALTY SOCKETS



SXHS14B

DRAIN PLUG SOCKET SET

- Hex, square, and triangle designs
 Applications include: BMW®, Ford®, GM®, Fiat®, Mercedes®, Audi®, VW®, Nissan®, Mazda®, Toyota®, Volvo®, and more

PRODUCT #	SHAPE	SIZE	OVERALL LENGTH IN. / MM	SET
SXHS14B	14-PC. 3/8" Dri	ve Drain P	lug Socket Set	
хнвим	Male Hex	8	1-7/16" / 36.5	•
хнэмм	Male Hex	9	1-7/16" / 36.5	•
XH10MM	Male Hex	10	1-7/16" / 36.5	•
XH12MM	Male Hex	12	1-7/16" / 36.5	•
XH14MM	Male Hex	14	1-7/16" / 36.5	•
XH17MM	Male Hex	17	1-7/16" / 36.5	•
XS104	Male Square	5/16"	1-7/16" / 36.5	•
XS124	Male Square	3/8"	1-7/16" / 36.5	•
XS47MM	Male Square	7	1-7/16" / 36.5	•
XS48MM	Male Square	8	1-7/16" / 36.5	•
XS410MM	Female Square	10	1-7/16" / 36.5	•
XS411MM	Male Square	11	1-7/16" / 36.5	•
XS413MM	Male Square	13	1-7/16" / 36.5	•
XT10MM	Male Triangle	10	1-7/16" / 36.5	•





WEATHERHEAD SOCKET SET

	7.		
PRODUCT#	SIZE	OVERALL LENGTH IN. / MM	SET
SX07T	7-PC. 3/8" Drive	Weatherhead Socket Set	
X014	7/16"	1" / 25.4	•
X016	1/2"	1-3/16" / 30.2	•
X018	9/16"	1-3/16" / 30.2	•
X020	5/8"	1-1/4" / 31.8	•
X022	11/16"	1-3/8" / 34.9	•
X024	3/4"	1-1/2" / 38.1	•
X027	27/32"	1-1/2" / 38.1	•
XT12	N	Metal Tray	•





SAE 4 POINT SOCKETS

	PRODUCT #	SIZE	OVERALL LENGTH
	Х74	7/32"	1-3/32" / 27.8
SAE	Х84	1/4"	1-3/32" / 27.8
4	Х94	9/32"	1-3/32" / 27.8
	X104	5/16"	1-3/32" / 27.8

3/8" DRIVE CHROME SOCKETS SETS



The tools on this page have been PROUDLY MADE IN THE USA with global components.

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PRODUCT #	ŧ	SIZE IN.	OVERALL LENGTH In. / MM	SET
SXS116C	R 11-PC. 3/8	8" Drive SA	E Super-Short Socket Set	
	XS66R	3/16"	43/64" / 17.1	•
	XS86R	1/4"	43/64" / 17.1	•
	XS96R	9/32"	11/16" / 17.5	•
	XS106R	5/16"	11/16" / 17.5	•
	XS126R	3/8"	45/64" / 17.9	•
	XS146R	7/16"	49/64" / 19.5	•
6	XS166R	1/2"	53/64" / 21	•
	XS186R	9/16"	57/64" / 22.6	•
	XS206R	5/8"	59/64" / 23.4	•
	XS226R	11/16"	59/64" / 23.4	•
	XS246R	3/4"	1" / 25.5	•
	SXS116CR-CL		Socket Rail	•

190			
		-	
	-		-
PRODUCT #	SIZE MM	OVERALL LENGTH IN. / MM	SET
SXSM116CR 11-PC	3/8" Drive l	Metric Super-Short Soci	et Set
XS69MMR	9	23/32" / 18.3	•
XS610MMF	10	47/64" / 18.8	•
XS611MMF	11	49/64" / 19.6	•
XS612MMF	12	57/64" / 20.3	•
XS613MMF	13	53/64" / 21	•
MM XS614MMF	14	7/8" / 22.2	•
6 XS615MMF	15	7/8" / 22.2	•
XS616MMF	16	59/64" / 23.4	•
XS617MMF	17	59/64" / 23.4	•
XS618MMF	18	61/64" / 24.2	•
XS619MMF	19	1" / 25.4	•
SXS116CR-CL		Socket Rail	•

PRODUCT	#	SIZE IN.	OVERALL LENGTH In. / MM	SET
SX126TR	12-PC. 3/	8" Drive SI	AE Socket Set	
	X86R	1/4"	1-3/32" / 27.8	•
	X96R	9/32"	1-3/32" / 27.8	
	X106R	5/16"	1-3/32" / 27.8	•
	X126R	3/8"	1-3/32" / 27.8	•
	X146R	7/16"	1-3/32" / 27.8	•
	X166R	1/2"	1-1/8" / 28.6	•
	X186R	9/16"	1-1/8" / 28.6	•
SAE 6	X206R	5/8"	1-1/8" / 28.6	•
	X226R	11/16"	1-1/8" / 28.6	•
	X246R	3/4"	1-3/16" / 30.2	•
	X266R	13/16"	1-3/16" / 30.2	•
	X286R	7/8"	1-5/16" / 33.3	•
	X306R	15/16"	1-5/16" / 33.3	•
	X326R	1"	1-3/8" / 34.9	
	XT18R		Metal tray	•



SX126TR

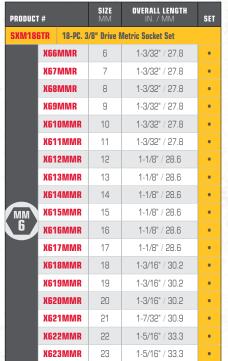


PRODUCT	#	SIZE IN.	OVERALL LENGTH In. / MM	SET
SX122TR	12-	PC. 3/8" Dri	ive SAE Socket Set	
	X82R	1/4"	1-3/32" / 27.8	•
	X102R	5/16"	1-3/32" / 27.8	•
	X122R	3/8"	1-3/32" / 27.8	•
	X142R	7/16"	1-3/32" / 27.8	•
	X162R	1/2"	1-1/8" / 28.6	•
	X182R	9/16"	1-1/8" / 28.6	•
SAE 12	X202R	5/8"	1-1/8" / 28.6	•
	X222R	11/16"	1-1/8" / 28.6	•
	X242R	3/4"	1-3/16" / 30.2	•
	X262R	13/16"	1-3/16" / 30.2	•
	X282R	7/8"	1-5/16" / 33.3	•
	X302R	15/16"	1-5/16" / 33.3	•
	XT18R		Metal tray	•



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X624MMR

XT16YR

24

1-7/16" / 36.5 Metal Tray



PRODUCT	PRODUCT #		SIZE MM	OVERALL LENGTH In. / MM	SET
SXM14	2TR	14-PC. 3	/8" Drive N	Netric Socket Set	
	X26	MMR	6	1-3/32" / 27.8	•
	X27	MMR	7	1-3/32" / 27.8	•
	X28	MMR	8	1-3/32" / 27.8	•
	X29	MMR	9	1-3/32" / 27.8	•
	X21	OMMR	10	1-3/32" / 27.8	•
	X21	1MMR	11	1-3/32" / 27.8	•
	X21	2MMR	12	1-1/8" / 28.6	•
MM 12	X21	3MMR	13	1-1/8" / 28.6	•
	X21	4MMR	14	1-1/8" / 28.6	•
	X21	5MMR	15	1-1/8" / 28.6	•
	X21	6MMR	16	1-1/8" / 28.6	•
	X21	7MMR	17	1-1/8" / 28.6	•
	X21	8MMR	18	1-3/16" / 30.2	•
	X21	9MMR	19	1-3/16" / 30.2	•
	хт6	Y		Metal Tray	•



PRODUCT	#		SIZE MM	OVERALL LENGTH IN. / MM	SET
SXM146	STR	14-PC. 3	/8" Drive	Metric Socket Set	
	X66	MMR	6	1-3/32" / 27.8	•
	X67	MMR	7	1-3/32" / 27.8	•
	X68	BMMR	8	1-3/32" / 27.8	•
	X69	IMMR	9	1-3/32" / 27.8	•
	X61	OMMR	10	1-3/32" / 27.8	•
	X61	1MMR	11	1-3/32" / 27.8	•
	X61	2MMR	12	1-1/8" / 28.6	•
MM 6	X61	3MMR	13	1-1/8" / 28.6	•
Y	X61	4MMR	14	1-1/8" / 28.6	•
	X61	5MMR	15	1-1/8" / 28.6	•
	X61	6MMR	16	1-1/8" / 28.6	•
	X61	7MMR	17	1-1/8" / 28.6	•
	X61	8MMR	18	1-3/16" / 30.2	•
	X61	9MMR	19	1-3/16" / 30.2	•
	XT6	Y		Metal Tray	•

GREAT TO WORK WITH

3/8" DRIVESOCKITIS INTERMEDIATE, DEEP, AND UNIVERSAL SETS

S * USA *

The tools on these pages have been PROUDLY MADE IN THE USA with global components.

PRODUCT	.#	SIZE IN.	OVERALL LENGTH IN. / MM	SET
SX14T	14-PC	. 3/8" Drive	SAE Intermediate Socket	Set
	X822	1/4"	1-1/4" / 31.8	•
	X922	9/32"	1-1/4" / 31.8	•
	X1022	5/16"	1-1/4" / 31.8	•
	X1222	3/8"	1-1/2" / 38.1	•
	X1422	7/16"	1-1/2" / 38.1	•
	X1622	1/2"	1-1/2" / 38.1	•
CONT.	X1822	9/16"	1-3/4" / 44.5	•
SAE 12	X2022	5/8"	1-3/4" / 44.5	•
	X2222	11/16"	1-3/4" / 44.5	•
	X2422	3/4"	1-3/4" / 44.5	•
	X2622	13/16"	1-3/4" / 44.5	•
	X2822	7/8"	1-3/4" / 44.5	•
	X3022	15/16"	1-3/4" / 44.5	•
	X3222	1"	1-3/4" / 44.5	•
	XT15		Metal Tray	•

PRODUCT	#		SIZE IN.	OVERALL LENGTH IN. / MM	SET
SX146TR 14-PC		. 3/8" Drive SAE Intermediate Socket Set			
	X86	2	1/4"	1-1/4" / 31.8	•
	X96	2	9/32"	1-1/4" / 31.8	•
	X10	62	5/16"	1-1/4" / 31.8	•
	X12	62	3/8"	1-1/2" / 38.1	•
	X14	62	7/16"	1-1/2" / 38.1	•
	X16	62	1/2"	1-1/2" / 38.1	•
SAE	X18	62	9/16"	1-3/4" / 44.5	•
6	X20	62	5/8"	1-3/4" / 44.5	•
V	X22	62	11/16"	1-3/4" / 44.5	•
	X24	62	3/4"	1-3/4" / 44.5	•
	X26	62	13/16"	1-3/4" / 44.5	•
	X28	62	7/8"	1-3/4" / 44.5	•
	X30	62	15/16"	1-3/4" / 44.5	•
	X32	62	1"	1-3/4" / 44.5	•
	XT1	5		Metal Tray	•

PRODUCT #		SIZE MM	OVERALL LENGTH IN. / MM	SET
SXIM1361	SXIM136TR 13-PC. 3/		etric Intermediate Socke	et Set
)	(168MMR	8	1-15/64" / 31.4	•
)	(169MMR	9	1-15/64" / 31.4	•
)	(1610MMR	10	1-31/64" / 37.7	•
)	(1611MMR	11	1-31/64" / 37.7	•
)	(1612MMR	12	1-31/64" / 37.7	•
	(1613MMR	13	1-31/64" / 37.7	•
	(1614MMR	14	1-31/64" / 37.7	•
6	(1615MMR	15	1-3/4" / 44.5	•
)	(1616MMR	16	1-3/4" / 44.5	•
)	(1617MMR	17	1-3/4" / 44.5	•
)	(1618MMR	18	1-3/4" / 44.5	•
)	(1619MMR	19	1-3/4" / 44.5	•
)	(1620MMR	20	1-3/4" / 44.5	•
)	(T2OY		Metal Tray	•





PRODUCT	PRODUCT #		SIZE IN.	OVERALL LENGTH In. / MM	
SXD122	SXD122TR 12-PC.		. 3/8" Drive	e SAE Deep Socket Set	
	XD82R		1/4"	2-1/8" / 54	•
	XD102R	1	5/16"	2-1/8" / 54	•
	XD122R	1	3/8"	2-1/8" / 54	•
	XD142R	1	7/16"	2-1/8" / 54	•
	XD162R	1	1/2"	2-1/8" / 54	•
	XD182R	1	9/16"	2-3/4" / 69.9	•
SAE 12	XD202R	1	5/8"	2-3/4" / 69.9	•
	XD222R	1	11/16"	2-3/4" / 69.9	•
	XD242R	ł	3/4"	2-3/4" / 69.9	•
	XD262R	1	13/16"	2-3/4" / 69.9	•
	XD282R		7/8"	2-3/4" / 69.9	•
	XD302R	1	15/16"	2-3/4" / 69.9	•
	XT19R			Metal Tray	•

PRODUCT	ſ#	SIZE IN.	OVERALL LENGTH IN. / MM	
SXD126	TR 12	!-PC. 3/8" Driv	e SAE Deep Socket Set	
	XD86R	1/4"	2-1/8" / 54	•
	XD106R	5/16"	2-1/8" / 54	•
	XD126R	3/8"	2-1/8" / 54	•
	XD146R	7/16"	2-1/8" / 54	•
	XD166R	1/2"	2-1/8" / 54	•
	XD186DR	9/16"	2-3/4" / 69.9	•
SAE G	XD206R	5/8"	2-3/4" / 69.9	•
U	XD226R	11/16	2-3/4" / 69.9	•
	XD246R	3/4"	2-3/4" / 69.9	•
	XD266R	13/16"	2-3/4" / 69.9	•
	XD286R	7/8"	2-3/4" / 69.9	•
	XD306R	15/16"	2-3/4" / 69.9	•
	XT19R		Metal Tray	•

PRODUCT	#		SIZE IN.	OVERALL LENGTH IN. / MM	
SXDM142TR 14-PC. 3/8		/8" Drive M	letric Deep Socket Set		
	XD26	MMR	6	2-1/8" / 54	•
	XD27	MMR	7	2-1/8" / 54	•
	XD28	MMR	8	2-1/8" / 54	•
	XD29	MMR	9	2-1/8" / 54	•
	XD21	OMMR	10	2-1/8" / 54	•
	XD21	1MMR	11	2-1/8" / 54	•
	XD21	2MMR	12	2-1/8" / 54	•
MM 12	XD21	3MMR	13	2-1/8" / 54	•
	XD21	4MMR	14	2-1/8" / 54	•
	XD21	5MMR	15	2-3/4" / 69.9	•
	XD21	6MMR	16	2-3/4" / 69.9	•
	XD21	7MMR	17	2-3/4" / 69.9	•
	XD21	8MMR	18	2-3/4" / 69.9	•
	XD21	9MMR	19	2-3/4" / 69.9	•
	ХТ7Ү	R		Metal Tray	•



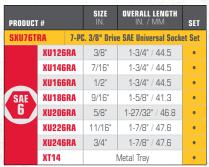


	PRODUCT #		SIZE IN.	OVERALL LENGTH IN. / MM	SI	ΞŢ
ì	SXDM186TR	18-PC. 3	/8" Drive	Metric Deep Socket So	et	
	SXDM146TR	14-PC. 3	/8" Drive	Metric Deep Socket So	et	
	XD6	6MMR	6	2-1/8" / 54	•	•
	XD6	7MMR	7	2-1/8" / 54	•	•
	XD6	BMMR	8	2-1/8" / 54	•	•
	XD6	9MMR	9	2-1/8" / 54	•	•
	XD6	10MMR	10	2-1/8" / 54	•	•
	XD6	11MMR	11	2-1/8" / 54	•	•
	XD6	12MMR	12	2-1/8" / 54	•	•
	XD6	13MMR	13	2-1/8" / 54	•	•
	XD6	14MMR	14	2-1/8" / 54	•	•
		15MMR	15	2-3/4" / 69.9	•	•
	6 XD6	16MMR	16	2-3/4" / 69.9	•	•
	XD6	17MMR	17	2-3/4" / 69.9	•	•
	XD6	18MMR	18	2-3/4" / 69.9	•	•
	XD6	19MMR	19	2-3/4" / 69.9	•	•
	XD6	20MMR	20	2-3/4" / 69.9		•
	XD6	21MMR	21	2-3/4" / 69.9		•
	XD6	22MMR	22	2-3/4" / 69.9		•
	XD6	23MMR	23	2-3/4" / 69.9		•
	XT1	7YR		Metal Tray		•
	хт7	/R		Metal Tray	•	

	PRODUCT #	SIZE MM	OVERALL LENGTH IN. / MM
	XD69MMDR	9	2-3/4" / 69.9
	XD610MMDR	10	2-3/4" / 69.9
MM	XD611MMDR	11	2-3/4" / 69.9
6	XD612MMDR	12	2-3/4" / 69.9
	XD613MMDR	13	2-3/4" / 69.9
	XD614MMDR	14	2-3/4" / 69.9









PRODUCT #		SIZE MM	OVERALL LENGTH IN. / MM	SET
SXMU106TR	A 10-PC. 3	/8" Drive M	letric Universal Socket	Set
XUE	10MMRA	10	1-3/4" / 44.5	•
XUE	11MMRA	11	1-3/4" / 44.5	•
XUE	12MMRA	12	1-3/4" / 44.5	•
XUE	13MMRA	13	1-3/4" / 44.5	•
MIM XUE	14MMRA	14	1-13/16" / 46	•
6 XUE	15MMRA	15	1-13/16" / 46	•
	16MMRA	16	1-13/16" / 46	•
XUE	17MMRA	17	1-7/8" / 47.6	•
XUE	18MMRA	18	1-7/8" / 47.6	•
XUE	19MMRA	19	1-7/8" / 47.6	•
XT2	2Y		Metal Tray	•



PRODUCT	#	SIZE In. / MM	OVERALL LENGTH IN. / MM	SET
SXUDM1	106TRA 10-PC. 3	8" Drive Metr	ic Deep Universal Soci	et Set
	XU146DRA	7/16"	2-3/8" / 60.3	
	XU166DRA	1/2"	2-3/8" / 60.3	
SAE	XU186DRA	9/16"	2-3/8" / 60.3	
6	XU206DRA	5/8"	2-3/8" / 60.3	
	XU226DRA	11/16"	2-3/8" / 60.3	
	XU246DRA	3/4"	2-3/8" / 60.3	
	XUD610MMRA	10	2-9/16" / 65.1	•
	XUD611MMRA	11	2-9/16" / 65.1	•
	XUD612MMRA	12	2-9/16" / 65.1	•
	XUD613MMRA	13	2-9/16" / 65.1	•
	XUD614MMRA	14	2-9/16" / 65.1	•
MM	XUD615MMRA	15	2-9/16" / 65.1	•
6	XUD616MMRA	16	2-9/16" / 65.1	•
	XUD617MMRA	17	2-9/16" / 65.1	•
	XUD618MMRA	18	2-9/16" / 65.1	•
	XUD619MMRA	19	2-9/16" / 65.1	•
	XUD622MMRA	22	2-9/16" / 65.1	
	хтззү	N	letal Tray	•

3/8" DRIVE SOCKETS SETS



The tools on this page have been PROUDLY MADE IN THE USA with global components.



PRODUCT	#		SIZE IN.	OVERALL LENGTH IN. / MM	SE	T
SXP82T	R	8-PC. 3/8	" Drive SAE	Impact Socket Set		
SXP86T	R	8-PC. 3/8	" Drive SAE	Impact Socket Set		
	XP	102R	5/16"	1-3/32" / 27.8		•
	XP	122R	3/8"	1-3/32" / 27.8		•
	XP	142R	7/16"	1-3/32" / 27.8		•
SAE 12	XP	162R	1/2"	1-3/32" / 27.8		•
12	XP	182R	9/16"	1-3/32" / 27.8		•
	XP	202R	5/8"	1-3/32" / 27.8		•
	XP	222R	11/16"	1-3/32" / 27.8		•
	XP	242R	3/4"	1-3/32" / 27.8		•
	XP	106R	5/16"	1-3/32" / 27.8	•	
	XP	126R	3/8"	1-3/32" / 27.8	•	
	XP	146R	7/16"	1-3/32" / 27.8	•	
	XP	166R	1/2"	1-3/32" / 27.8	•	
SAE 6	XP	186R	9/16"	1-3/32" / 27.8	•	
U	XP	206R	5/8"	1-3/32" / 27.8	•	
	XP	226R	11/16"	1-3/32" / 27.8	•	
	XP	246R	3/4"	1-3/32" / 27.8	•	
	ХТ	11	1	Metal Tray	•	•



PRODUCT #		SIZE MM	OVERALL LENGTH IN. / MM	SI	ET
SXPM112TR	11-PC. 3/8	" Drive Met	ric Impact Socket Set		
SXPM116TR	11-PC. 3/8	3" Drive Me	tric Impact Socket S	et	
ХР2	10MMR	10	1-1/32" / 26.2		•
ХР2	11MMR	11	1-1/32" / 26.2		•
XP2	12MMR	12	1-1/32" / 26.2		•
ХР2	13MMR	13	1-1/32" / 26.2		•
XP2	14MMR	14	1-1/32" / 26.2		•
MM XP2	15MMR	15	1-1/32" / 26.2		•
12 XP2	16MMR	16	1-1/32" / 26.2		•
XP2	17MMR	17	1-1/32" / 26.2		•
ХР2	18MMR	18	1-1/32" / 26.2		•
XP2	19MMR	19	1-1/32" / 26.2		•
XP2	20MMR	20	1-1/32" / 26.2		
XP2	22MMR	22	1-1/32" / 26.2		•
XP6	8MMR	8	1-1/32" / 26.2		
XP6	10MMR	10	1-1/32" / 26.2	•	
XP6	11MMR	11	1-1/32" / 26.2	•	
XP6	12MMR	12	1-1/32" / 26.2	•	
XP6	13MMR	13	1-1/32" / 26.2	•	
хр6	14MMR	14	1-1/32" / 26.2	•	
XP6	15MMR	15	1-1/32" / 26.2	•	
	16MMR	16	1-1/32" / 26.2	•	
MM XP6	17MMR	17	1-1/32" / 26.2	•	
XP6	18MMR	18	1-1/32" / 26.2	•	
XP6	19MMR	19	1-1/32" / 26.2	•	
XP6	20MMR	20	1-1/32" / 26.2		
XP6	21MMR	21	1-1/32" / 26.2		
хр6	22MMR	22	1-1/32" / 26.2	•	
хр6	23MMR	23	1-1/32" / 26.2		
хр6	24MMR	24	1-1/32" / 26.2		
XT2	5Y	1	Metal Tray	•	•



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	ì		SIZE	OVERALL LENGTH		
PRODUCT	#		IN.	IN. / MM	SI	ΕT
SXP17P	TR	17-PC. 3	/8" Drive S	AE Impact Socket Set		
SXDP76	TR	7-PC. 3/8	3" Drive SA	E Deep Impact Socket	Set	
	ХP	106R	5/16"	1-3/32" / 27.8		•
	ХP	126R	3/8"	1-3/32" / 27.8		•
MM	ХP	146R	7/16"	1-3/32" / 27.8		•
6	ХP	166R	1/2"	1-3/32" / 27.8		•
	ХP	186R	9/16"	1-3/32" / 27.8		•
PACI	ХP	206R	5/8"	1-3/32" / 27.8		•
A P	ХP	226R	11/16"	1-3/32" / 27.8		•
S	ХP	246R	3/4"	1-3/32" / 27.8		•
	XD	P106R	5/16"	1-3/4" / 44.5		
	XD	P126R	3/8"	1-3/4" / 44.5	•	•
MM	XD	P146R	7/16"	1-3/4" / 44.5	•	•
6	XD	P166R	1/2"	1-3/4" / 44.5	•	•
U	XD	P186R	9/16"	2-3/4" / 69.9	•	•
AGE	XD	P206R	5/8"	2-3/4" / 69.9	•	•
₽ E	XD	P226R	11/16"	2-3/4" / 69.9	•	•
	XD	P246R	3/4"	2-3/4" / 69.9	•	•
	ХP	3EB	lmp	act Extension		•
	XU	P2BA	Impact I	Jniversal Joint-Ball		•
	ХТ	26		Metal Tray	•	





_	-	_		_	_		
	PRODUCT	ſ#		SIZE MM	OVERALL LENGTH IN. / MM	SI	aT .
	SXIPM1	76TR		B" Drive M ate and De	etric ep Impact Socket Set		
	SXIPM1	06TR		B" Drive M ate Impact	etric Socket Set		
		XDP6	8WWR	8	1-3/4" / 44.5		•
		XDP6	9WWR	9	1-3/4" / 44.5		•
	MM 6	XDP6	10MMR	10	1-3/4" / 44.5		•
	Ľ	XDP6	11MMR	11	1-3/4" / 44.5		•
	DEEP	XDP6	12MMR	12	1-3/4" / 44.5		•
	MPA	XDP6	13MMR	13	1-3/4" / 44.5		•
	_	XDP6	14MMR	14	1-3/4" / 44.5		•
		XIP61	5MMR	15	1-3/4" / 44.5	•	•
		XIP61	6MMR	16	1-3/4" / 44.5	•	•
		XIP61	7MMR	17	1-3/4" / 44.5	•	•
	MM 6	XIP61	8MMR	18	1-3/4" / 44.5	•	•
	Ľ	XIP61	9MMR	19	1-3/4" / 44.5	•	•
		XIP62	OMMR	20	1-3/4" / 44.5	•	•
	MPA	XIP62	1MMR	21	1-3/4" / 44.5	•	•
	EBM	XIP62	2MMR	22	1-3/4" / 44.5	•	•
	¥	XIP62	3MMR	23	1-3/4" / 44.5	•	•
		XIP62	4MMR	24	1-3/4" / 44.5	•	•
		XT47	1		Metal Tray		•
		XT10	1		Metal Tray	•	

GREAT TO WORK WITH

3/8" DRIVE DEEP SOCKETS SETS



The tools on this page have been **PROUDLY MADE IN THE USA** with global components.





Metal Tray

XT27Y

				C V C	
PRODUCT	#		SIZE MM	OVERALL LENGTH IN. / MM	SET
		/8" Drive 6 nact Socket	-PT. Metric t Set		
	XDP68	MMR	8	1-3/4" / 44.5	•
	XDP69	MMR	9	1-3/4" / 44.5	•
	XDP61	OMMR	10	1-3/4" / 44.5	•
	XDP61	1MMR	11	1-3/4" / 44.5	•
	XDP61	2MMR	12	1-3/4" / 44.5	•
	XDP61	3MMR	13	1-3/4" / 44.5	•
	XDP61	4MMR	14	1-3/4" / 44.5	•
	XDP61	5MMR	15	2-3/4" / 69.9	•
MM	XDP61	6MMR	16	2-3/4" / 69.9	•
6	XDP61	7MMR	17	2-3/4" / 69.9	•
	XDP61	8MMR	18	2-3/4" / 69.9	•
	XDP61	9MMR	19	2-3/4" / 69.9	•
	XDP62	OMMR	20	2-3/4" / 69.9	
	XDP62	1MMR	21	2-3/4" / 69.9	•
	XDP62	2MMR	22	2-3/4" / 69.9	
	XDP62	3MMR	23	2-3/4" / 69.9	
	XDP62	4MMR	24	2-3/4" / 69.9	•
	XT27Y			Metal Tray	•



	PRODUCT #	SIZE IN.	OVERALL LENGTH IN. / MM
	XDP126DR	3/8"	2-3/4" / 69.9
MM 6	XDP146DR	7/16"	2-3/4" / 69.9
U	XDP166DR	1/2"	2-3/4" / 69.9

PRODUCT	#		SIZE	OVERALL LENGTH	g	aT
SXPM20		20-DC 3/8		Metric Impact Socket		.,
		17-PC. 3/8			001	
SXDPM1	76TR			pact Socket Set		
	XP610	MMR	10	1-1/32" / 26.2		•
	XP611	MMR	11	1-1/32" / 26.2		•
	XP612	MMR	12	1-1/32" / 26.2		•
MM 6	XP613	MMR	13	1-1/32" / 26.2		•
Ů	XP614	MMR	14	1-1/32" / 26.2		•
ACT	XP615	MMR	15	1-1/32" / 26.2		•
AND	XP616	MMR	16	1-1/32" / 26.2		•
S	XP617	MMR	17	1-1/32" / 26.2		•
	XP618	MMR	18	1-1/32" / 26.2		•
	XP619	MMR	19	1-1/32" / 26.2		•
	XDP61	5MMR	15	2-3/4" / 69.9	•	•
	XDP61	6MMR	16	2-3/4" / 69.9	•	•
	XDP61	7MMR	17	2-3/4" / 69.9	•	•
MM	XDP61	8MMR	18	2-3/4" / 69.9	•	•
6	XDP61	9MMR	19	2-3/4" / 69.9	•	•
٠ دا به	XDP62	OMMR	20	2-3/4" / 69.9	•	
MPA	XDP62	1MMR	21	2-3/4" / 69.9	•	
	XDP62	2MMR	22	2-3/4" / 69.9	•	
	XDP62	3MMR	23	2-3/4" / 69.9	•	
	XDP62	4MMR	24	2-3/4" / 69.9	•	
	XDP68	MMDR	8	2-3/4" / 69.9	•	
MIM	XDP69	MMDR	9	2-3/4" / 69.9	•	
6	XDP61	OMMDR	10	2-3/4" / 69.9	•	•
	XDP61	1MMDR	11	2-3/4" / 69.9	•	•
O DEE	XDP61	2MMDR	12	2-3/4" / 69.9	•	•
XTRA	XDP61	3MMDR	13	2-3/4" / 69.9	•	•
ш	XDP61	4MMDR	14	2-3/4" / 69.9	•	•
	PT82			Plastic Tray		•
	XT177	Y		Metal Tray	•	







PRODUCT	#		SIZE In.	OVERALL LENGTH IN. / MM	SI	ΕT
SXUP72	TR	7-PC. 3/8	" Drive SAE	Universal Impact Soci	ket Set	
SXUP76	TR	7-PC. 3/8 Impact Sc	" Drive SAE ocket Set	Universal		
	XU	P122R	3/8"	1-31/32" / 50		•
	XU	P142R	7/16"	2" / 50.8		•
	XU	P162R	1/2"	2-1/32" / 51.6		•
SAE 12	XU	P182R	9/16"	2-1/16" / 52.4		•
	XU	P202R	5/8"	2-3/32" / 53.2		•
	XU	P222R	11/16"	2-1/8" / 54		•
	XU	P242R	3/4"	2-1/8" / 54		•
	XU	P126R	3/8"	1-31/32" / 50	•	
	XU	P146R	7/16"	2" / 50.8	•	
	XU	P166R	1/2"	2-1/32" / 51.6	•	
SAE	XU	P186R	9/16"	2-1/16" / 52.4	•	
6	XU	P206R	5/8"	2-3/32" / 53.2	•	
	XU	P226R	11/16"	2-1/8" / 54	•	
	XU	P246R	3/4"	2-1/8" / 54	•	
	хт	35		Metal Tray	•	•

	NIGG IVICE II ay					
PRODUCT	Г#		SIZE IN.	OVERALL LENGTH IN. / MM	S	ET
SXUPD7	2PTR		3/8" Drive 1 Sal Impact S	2-PT. SAE Deep ocket Set		
SXUPD7	6PTR		3/8" Drive 6 sal Impact S	-PT. SAE Deep locket Set		
	XUP1	22DR	3/8"	2-1/2" / 63.5		•
	XUP1	42DR	7/16"	2-9/16" / 65.1		•
	XUP1	62DR	1/2"	2-9/16" / 65.1		•
SAE 12	XUP1	82DR	9/16"	2-5/8" / 66.7		•
	XUP2	02DR	5/8"	2-5/8" / 66.7		•
	XUP2	22DR	11/16"	2-5/8" / 66.7		•
	XUP2	42DR	3/4"	2-11/16" / 68.3		•
	XUP1	26DR	3/8"	2-1/2" / 63.5	•	
	XUP1	46DR	7/16"	2-1/2" / 63.5	•	
	XUP1	66DR	1/2"	2-5/8" / 66.7	•	
SAE	XUP1	86DR	9/16"	2-5/8" / 66.7	•	
6	XUP2	06DR	5/8"	2-5/8" / 66.7	•	
	XUP2	26DR	11/16"	2-5/8" / 66.7	•	
	XUP2	46DR	3/4"	2-11/16" / 68.3	•	
	PT26		-	Plastic Tray	•	

PRODUCT	†#		SIZE MM	OVERALL LENGTH IN. / MM	SI	ŧΤ
SXUPM1	O2TRA	10-PC. 3. Socket S		letric Impact Univers	al	
SXUPM1	O6TRA		/8" Drive M I Socket Se	letric Impact t		
	XUP21	IOMMR	10	2" / 50.8		•
	XUP21	11MMR	11	2" / 50.8		•
	XUP21	12MMR	12	2-1/16" / 52.4		•
	XUP21	3MMRA	13	2-1/16" / 52.4		•
MM	XUP21	4MMRA	14	2-1/16" / 52.4		•
12	XUP21	5MMRA	15	2-1/16" / 52.4		•
	XUP21	6MMRA	16	2-1/8" / 54		•
	XUP21	7MMRA	17	2-1/8" / 54		•
	XUP21	8MMRA	18	2-1/8" / 54		•
	XUP21	9MMRA	19	2-1/8" / 54		•
	XUP68	BMMR	8	2" / 50.8		
	XUP61	IOMMR	10	2" / 50.8	•	
	XUP61	I1MMR	11	2" / 50.8	•	
	XUP61	I2MMR	12	2-1/16" / 52.4	•	
	XUP61	3MMRA	13	2-1/16" / 52.4	•	
MM	XUP61	4MMRA	14	2-1/16" / 52.4	•	
6	XUP61	5MMRA	15	2-1/16" / 52.4	•	
	XUP61	6MMRA	16	2-1/8" / 54	•	
	XUP61	7MMRA	17	2-1/8" / 54	•	
	XUP61	8MMRA	18	2-1/8" / 54	•	
	XUP61	9MMRA	19	2-1/8" / 54	•	
	ХТ37 Ү	•		Metal Tray	•	•

		SXL	IPDM1	O6TR		
PRODUCT	ſ#		SIZE MM	OVERALL LENGTH IN. / MM	SI	ŧΤ
SXUPDM	102TRA			e 12-PT. Metric npact Socket Set		
SXUPDM	106TRA			e 6-PT. Metric npact Socket Set		
	XUPD210	OMMR	10	2-1/2" / 63.5		•
	XUPD21	IMMR	11	2-9/16" / 65.1		•
	XUPD21	2MMR	12	2-9/16" / 65.1		•
	XUPD213	IMMRA	13	2-5/8" / 66.7		•
MM	XUPD214	IMMRA	14	2-5/8" / 66.7		•
12	XUPD215	IMMRA	15	2-11/16" / 68.3		,
	XUPD216	MMRA	16	2-11/16" / 68.3		,
	XUPD217	MMRA	17	2-3/4" / 69.9		,
	XUPD218	BMMRA	18	2-3/4" / 69.9		,
	XUPD219	IMMRA	19	2-13/16" / 71.4		,
	XUPD610	OMMR	10	2-1/2" / 63.5	•	
	XUPD61	IMMR	11	2-9/16" / 65.1	•	
	XUPD61	2MMR	12	2-9/16" / 65.1	•	
	XUPD613	MMRA	13	2-5/8" / 66.7	•	
	XUPD614	IMMRA	14	2-5/8" / 66.7	•	
MM 6	XUPD615	MMRA	15	2-11/16" / 68.3	•	
ك	XUPD618	MMRA	16	2-11/16" / 68.3	•	
	XUPD617	MMRA	17	2-3/4" / 69.9	•	
	XUPD618	MMRA	18	2-3/4" / 69.9	•	
	XUPD619	IMMRA	19	2-13/16" / 71.4	•	
	хтзву			Metal Tray	•	,





The tools on this page have been **PROUDLY MADE IN THE USA** with global components.



PRODUCT #	GEAR TEETH	RATCHET SWING	HANDLE	OVERALL LENGTH In. / MM
VR1190K	90	4°	Metal	11" / 279
VR1890K	90	4°	Metal	18" / 457
VR1890FK	90	4°	Metal	18" / 457
VR1890FPA	90	4°	Comfort handle	18" / 457

PRODUCT #	GEAR TEETH	RATCHET SWING	HANDLE	OVERALL LENGTH In. / MM
VR1890PA	90	4°	Comfort handle	18" / 457
VR2690K	90	4°	Metal	26" / 660
VR2690PA	90	4°	Comfort handle	26" / 660
VR2690FPA	90	4°	Comfort handle	26" / 660





VR1890FPA

1/2" DRIVE AXIS™ COMFORT **HANDLE FLEX RATCHET - 18"**

VR1890PA (NOT SHOWN)

1/2" DRIVE AXIS™ COMFORT **HANDLE RATCHET - 18"**

VR2690K: (NOT SHOWN)

1/2" DRIVE AXIS™ METAL **HANDLE FLEX RATCHET - 26"**

VR2690PA

1/2" DRIVE AXIS™ COMFORT **HANDLE RATCHET - 26"**

VR2690FPA (NOT SHOWN)

1/2" DRIVE AX HANDLE FLEX	
OVERALL LENGTH	

PRODUCT #	GEAR TEETH	RATCHET SWING	HANDLE	OVERALL LENGTH In. / MM
VR1890LFK*	90	4°	Metal handle	18" / 457
VR1890LFPA*	90	4°	Comfort handle	18" / 457
VR2690LFK*	90	4°	Metal handle	26" / 660
VR2690LFPA*	90	4°	Comfort handle	26" / 660



*WARNING: To reduce the risk of injury, never use an extension or cheater bar. Apply smooth consistent force. Avoid jerking motions or striking the tool when loosening or tightening fasteners. Always check the tool for damage before use.

VR1890LFK* (NOT SHOWN)

1/2" DRIVE AXIS™ METAL HANDLE LOCKING FLEX RATCHET - 18"

VR1890LFPA* (NOT SHOWN)

1/2" DRIVE AXIS™ COMFORT HANDLE LOCKING FLEX RATCHET - 18"

VR2690LFK* (NOT SHOWN)

1/2" DRIVE AXIS™ METAL HANDLE LOCKING FLEX RATCHET - 26"

VR2690LFPA*

1/2" DRIVE AXIS™ COMFORT **HANDLE LOCKING FLEX** RATCHET - 26"





1/2" DRIVE PEAR AND ROUND HEAD RATCHETS





1/2" DRIVE 22" FLEX RATCHET

VRR16FPA

1/2" DRIVE ROUND-HEAD FLEX RATCHET - 16"



1/2" DRIVE SWIVEL HEAD 12" RATCHET

- Quick-release button, locks socket in place and releases the socket when depressed
- Ergonomic design grip

PRODUCT #	GEAR TEETH	RATCHET SWING	HANDLE	OVERALL LENGTH IN. / MM
VR17K	30	5°	Knurled	17" / 431.8
VR18FK	30	12°	Knurled	18" / 457.2
VR100SPA	100	3.6°	Comfort handle	12" / 304.8
VRR16FPA	72	5°	Comfort handle	16" / 406.4
VR22FPA	72	5°	Comfort handle	22" / 558.8

BREAKER BAR

V18SF 1/2" **DRIVE 18" BREAKER BAR**

- · Heavy-duty design provides a stronger yoke-style head
- Field serviceable drive plug

V24SF 1/2" **DRIVE** 24" BREAKER BAR

V24SFA (NOT SHOWN)

1/2" **DRIVE** 24" COMFORT HANDLE **BREAKER BAR**

- Triangular grip provides greater control and comfort
- · Heavy-duty design provides a stronger yoke-style head
- · Field serviceable drive plug

V30SF 1/2" **DRIVE 30" BREAKER BAR**

V30SFA

1/2" DRIVE 30" COMFORT HANDLE BREAKER BAR

- Heavy-duty design provides a stronger yoke-style head
- 180° Flex for improved leverage and greater strength



1/2" DRIVE LOCKING

Vertical grip for greater comfort and speed

· Quick-release lock-ring secures socket in place

SPEED HANDLE

V11EPSW

1/2" DRIVE EXTENSION WRENCH

- Compact design and O° swing arc provides users access in even the tightest working areas
- Lightweight aluminum construction
- Optimized gear ratio designed to reduce fastener removal time
- · Engineered to be used with a ratchet or impact tool



1/2" DRIVE 11" HEX END **EXTENSION WRENCH**

- Compact design and O° swing arc provides users access in even the tightest working areas
- Lightweight aluminum construction
- · Optimized gear ratio designed to help reduce fastener removal time

1/2" DRIVE



PRODUCT #	OVERALL LENGTH IN. / MM	SET
SVE5PT	5-PC. 1/2" Drive Extension Set	
V2E	2" / 50.8	•
V3E	3" / 76.2	•
V5E	5" / 127	•
V10E	10" / 254	•
V15E	15" / 381	•
PT61	Plastic Tray	•

SV5EWPT 5-PC. 1/2" DRIVE WOBBLE EXTENSION SET

PRODUCT #	OVERALL LENGTH IN. / MM	SET
SV5EWPT	5-PC. 1/2" Drive Wobble Extension	n Set
V1EW	1-5/8" / 41.3	•
V3EW	3" / 76.2	•
V5EW	5" / 127	•
V10EW	10" / 254	•
V15EW	15" / 381	•

SVE4EKLTQ 4-PC. 1/2" DRIVE LOCKING EXTENSION SET

PRODUCT#	OVERALL LENGTH IN. / MM	SET
SVE4EKLTQ	4-PC. 1/2" Drive Locking Extension	n Set
V3EKLQ	3" / 76.2	•
V5EKLQ	5" / 127	•
V10EKLQ	10" / 254	•
V15EKLQ	15" / 381	•
V24EKLQ	24" / 609.6	
V34EKLQ	34" / 863.6	

1/2" DRIVE LOCKING IMPACT EXTENSION SETS

PRODUCT #	OVERALL LENGTH In. / MM				ET
SVP3EKL	3-PC. 1/2" Drive Locking Impact Locking Extension Set				
SVP3EKLT	3-PC. 1/2" Drive Locking Impact Extension Set				
VP3EKL	3" / 76.2		•		
VP5EKL	5" / 127		•		
VP10EKL	10" / 254		•		
VP18EKL	18" / 457.2	•			
VP24EKL	24" / 609.6	•			
VP31EKL	31" / 787.4	•			

SVP3EKLT

IMPACT EXTENSIONS



VP24EXP

1/2" DRIVE IMPACT LOCKING REDUCING EXTENSION ADAPTER

- Female Square End: 1/2"
- Male Square End: 3/8"
- Pin-style socket retainer holds socket securely in place while in use



SVPEXR4PT

4-PC. IMPACT REDUCING EXTENSION ADAPTER SET

- Female Square End: 1/2"
- Male Square End: 3/8"

PRODUCT #	OVERALL LENGTH In. / MM	SET
SVPEXR4PT	4-PC. Impact Extension Adapter	Set
VP2EXR	2" / 50.8	•
VP5EXR	5" / 127	•
VP12EXR	12" / 304.8	•
VP24EXR	24" / 609.6	•
VP34EXR	34" / 863.6	

1/2" DRIVE IMPACT EXTENSIONS

PRODUCT #	OVERALL LENGTH In. / MM
VP2EB	2" / 50.8
VP3EB	3" / 76.2
VP5EB	5" / 127
VP10EB	10" / 254





7-PC. 1/2" DRIVE METRIC UNIVERSAL IMPACT EXTENSION SET

PRODUCT #	SIZE MM	OVERALL LENGTH IN. / MM	SET
SVMUEP72B		Drive Metric Impact Extension Set	
VUEP218MM	18	11.89" / 302	•
VUEP219MM	19	11.89" / 302	•
VUEP220MM	20	11.89" / 302	•
VUEP221MM	21	11.89" / 302	•
VUEP222MM	22	11.89" / 302	•
VUEP223MM	23	11.89" / 302	•
VP34EXR		11.85" / 301	•

SVUEP62B

SVMUEP72B

6-PC. 1/2" DRIVE SAE UNIVERSAL IMPACT EXTENSION SET

PRODUCT #	SIZE IN.	OVERALL LENGTH IN. / MM	SET
SVUEP62B		' Drive SAE Impact Extension Set	
VUEP262	13/16"	11.89" / 302	•
VUEP282	7/8"	11.89" / 302	•
VUEP302	15/16"	11.89" / 302	•
VUEP322	1"	11.89" / 302	•
VUEP342	1-1/16"	11.89" / 302	•
VUP12EXR		11.85" / 301	•



SVPEXRL

3-PC. 1/2" DRIVE IMPACT LOCKING REDUCING EXTENSION SET

PRODUCT #	OVERALL LENGTH IN. / MM	SET
SVPEXRL	3-PC. 1/2" Drive Impact Lock Reducing Extension Set	
VP18EXRL	18" / 457.2	•
VP24EXRL	24" / 609.6	•
VP33EXRL	33" / 838.2	•

12" DRIVE ADAPTERS



The tools on this page have been PROUDLY MADE IN THE USA with global components.



A1612 **ADAPTER**

- 1/2" Female to 3/8" Male
- Overall length: 1-7/16" / 36.5mm



A1624 **ADAPTER**

- 1/2" Female to 3/4" Male
- Overall length: 1-11/16" / 42.9mm



AP1624 **IMPACT ADAPTER**

- 1/2" Female to 3/4" Male
- Overall length: 1-7/8" / 47.6mm



AP1612RB 2-PC. IMPACT ADAPTER

Overall length: 1-7/16" / 36.5mm

AP1612RB-BIT

3/8" REPLACEMENT BIT

AP1612RB-SKT

1/2" DRIVE HOLDER



LOCKING ADAPTER

- 1/2" Female to 1/2" Male
- · Locks socket on drive end with a quick-release collar



V3U **UNIVERSAL** JOINT ADAPTER

- 1/2" Female to 1/2" Male
- Overall length: 3-15/16" / 100mm



VUP2BA **IMPACT UNIVERSAL JOINT**

- 1/2" Female to 1/2" Male
- Overall length: 2-1/2" / 63.5mm



VUP2PA

IMPACT UNIVERSAL JOINT

- 1/2" Female to 1/2" Pin Male
- Overall length: 2-1/2" / 63.5mm



IMPACT UNIVERSAL JOINT

- 1/2" Female to 3/8" Male
- Overall length: 2-1/4" / 57.2mm

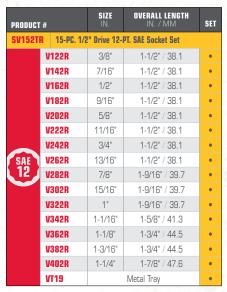


1/2" DE CHROME SOCKETS SETS



The tools on this page have been PROUDLY MADE IN THE USA with global components.







PRODUCT	T#	SIZE IN.	OVERALL LENGTH IN. / MM	SET
SV108T	R 10-PC. 1	/2" Drive 8-P	T. SAE Socket Set	
	V128R	3/8"	1-1/2" / 38.1	•
	V148R	7/16"	1-1/2" / 38.1	•
	V168R	1/2"	1-1/2" / 38.1	•
	V188R	9/16"	1-1/2" / 38.1	•
	V208R	5/8"	1-1/2" / 38.1	•
SAE 8	V228R	11/16"	1-1/2" / 38.1	•
)	V248R	3/4"	1-1/2" / 38.1	•
	V268R	13/16"	1-1/2" / 38.1	•
	V288R	7/8"	1-9/16" / 39.7	•
	V328R	1"	1-9/16" / 39.7	•
	VT4		Metal Tray	•



		35			-
PRODUCT	#	SIZE	OVERALL LENGTH		
SV206TR	20-PC. 1	1/2" Drive 6	-PT. SAE Socket Set		
SV156TR	15-PC. 1	1/2" Drive 6	-PT. SAE Socket Set		
	V126R	3/8"	1-1/2" / 38.1	•	•
	V146R	7/16"	1-1/2" / 38.1	•	•
	V166R	1/2"	1-1/2" / 38.1	•	•
	V186R	9/16"	1-1/2" / 38.1	•	•
	V206R	5/8"	1-1/2" / 38.1	•	•
	V226R	11/16"	1-1/2" / 38.1	•	•
	V246R	3/4"	1-1/2" / 38.1	•	•
	V266R	13/16"	1-1/2" / 38.1	•	•
	V286R	7/8"	1-9/16" / 39.7	•	•
	V306R	15/16"	1-9/16" / 39.7	•	•
SAE	V326R	1"	1-9/16" / 39.7	•	•
6	V346R	1-1/16"	1-5/8" / 41.3	•	•
	V366R	1-1/8"	1-3/4" / 44.5	•	•
	V386R	1-3/16"	1-3/4" / 44.5	•	•
	V406R	1-1/4"	1-7/8" / 47.6	•	•
	V426R	1-5/16"	1-7/8" / 47.6		•
	V446R	1-3/8"	2" / 50.8		•
	V466R	1-7/16"	2-1/4" / 57.2		•
	V486R	1-1/2"	2-1/4" / 57.2		•
	V506R	1-9/16"	2-1/4" / 57.2		•
	VT13		Metal Tray		•
	VT19		Metal Tray	•	

GREAT TO WORK WITH

1/2" DRIVE CHROME SOCKETS SETS



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PRODUCT	#	SIZE MM	OVERALL LENGTH IN. / MM	SI	ΕT
SVM232	2TR 23	-PC. 1/2"	Drive Metric Socket	Set	
SVM102	?TR 10	-PC. 1/2"	Drive Metric Socket	Set	
	V210MMR	10	1-1/2" / 38.1	•	•
	V211MMR	11	1-1/2" / 38.1	•	•
	V212MMR	12	1-1/2" / 38.1	•	•
	V213MMR	13	1-1/2" / 38.1	•	•
	V214MMR	14	1-1/2" / 38.1	•	•
	V215MMR	15	1-1/2" / 38.1	•	•
	V216MMR	16	1-1/2" / 38.1	•	•
	V217MMR	17	1-1/2" / 38.1	•	•
	V218MMR	18	1-1/2" / 38.1	•	•
	V219MMR	19	1-1/2" / 38.1	•	•
	V220MMR	20	1-1/2" / 38.1		•
	V221MMR	21	1-1/2" / 38.1		•
MM 12	V222MMR	22	1-9/16" / 39.7		•
	V223MMR	23	1-9/16" / 39.7		•
	V224MMR	24	1-9/16" / 39.7		•
	V225MMR	25	1-9/16" / 39.7		•
	V226MMR	26	1-5/8" / 41.3		•
	V227MMR	27	1-5/8" / 41.3		•
	V228MMR	28	1-5/8" / 41.3		•
	V229MMR	29	1-3/4" / 44.5		•
	V230MMR	30	1-3/4" / 44.5		•
	V231MMR	31	1-3/4" / 44.5		•
	V232MMR	32	1-3/4" / 44.5		•
	VT7Y		Metal Tray	•	
	VT25Y		Metal Tray		•

PRODUCT #		SIZE MM	OVERALL LENGTH IN. / MM	SI	ET
SVM236TR	23-PC. 1	/2" Drive	Metric Socket Set		
SVM106TR	10-PC. 1	/2" Drive	Metric Socket Set		
V	10MMR	10	1-1/2" / 38.1	•	•
V	S11MMR	11	1-1/2" / 38.1	•	•
V	S12MMR	12	1-1/2" / 38.1	•	•
V	13MMR	13	1-1/2" / 38.1	•	•
V	14MMR	14	1-1/2" / 38.1	•	•
V	15MMR	15	1-1/2" / 38.1	•	•
V	16MMR	16	1-1/2" / 38.1	•	•
V	17MMR	17	1-1/2" / 38.1	•	•
V	18MMR	18	1-1/2" / 38.1	•	•
V	19MMR	19	1-1/2" / 38.1	•	•
V	20MMR	20	1-1/2" / 38.1		•
	S21MMR	21	1-1/2" / 38.1		•
MM VI	S22MMR	22	1-9/16" / 39.7		•
VI	323MMR	23	1-9/16" / 39.7		•
V	S24MMR	24	1-9/16" / 39.7		•
V	S25MMR	25	1-9/16" / 39.7		•
V	26MMR	26	1-5/8" / 41.3		•
V	S27MMR	27	1-5/8" / 41.3		•
V	28MMR	28	1-5/8" / 41.3		•
V	S29MMR	29	1-3/4" / 44.5		•
V	30MMR	30	1-3/4" / 44.5		•
V	31MMR	31	1-3/4" / 44.5		•
V	32MMR	32	1-3/4" / 44.5		•
VI	7 Y		Metal Tray	•	
V	25Y		Metal Tray		•



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PRODUCT	#	SIZE IN.	OVERALL LENGTH IN. / MM	SI	ΕT
SVD122	TR 12-PC	. 1/2" Drive	SAE Deep Socket Set		
SVD126	TR 12-PC	. 1/2" Drive	SAE Deep Socket Set		
	VD142R	7/16"	3-1/4" / 82.6		•
	VD162R	1/2"	3-1/4" / 82.6		•
	VD182R	9/16"	3-1/4" / 82.6		•
	VD202R	5/8"	3-1/4" / 82.6		•
	VD222R	11/16"	3-1/4" / 82.6		•
SAE	VD242R	3/4"	3-1/4" / 82.6		•
12	VD262R	13/16"	3-1/4" / 82.6		•
	VD282R	7/8"	3-1/4" / 82.6		•
	VD302R	15/16"	3-1/4" / 82.6		•
	VD322R	1"	3-1/4" / 82.6		•
	VD342R	1-1/16"	3-1/4" / 82.6		•
	VD362R	1-1/8"	3-1/4" / 82.6		•
	VD146R	7/16"	3-1/4" / 82.6	•	
	VD166R	1/2"	3-1/4" / 82.6	•	
	VD186R	9/16"	3-1/4" / 82.6	•	
	VD206R	5/8"	3-1/4" / 82.6	•	
	VD226R	11/16"	3-1/4" / 82.6	•	
	VD246R	3/4"	3-1/4" / 82.6	•	
	VD266R	13/16"	3-1/4" / 82.6	•	
	VD286R	7/8"	3-1/4" / 82.6	•	
	VD306R	15/16"	3-1/4" / 82.6	•	
SAE Fi	VD326R	1"	3-1/4" / 82.6	•	
۷	VD346R	1-1/16"	3-1/4" / 82.6	•	
	VD366R	1-1/8"	3-1/4" / 82.6	•	
	VD386R	1-3/16"	3-1/4" / 82.6		
	VD406R	1-1/4"	3-1/4" / 82.6		
	VD426R	1-5/16"	3-1/4" / 82.6		
	VD446R	1-3/8"	3-1/4" / 82.6		
	VD466R	1-7/16"	3-1/4" / 82.6		
	VD486R	1-1/2"	3-1/4" / 82.6		
	VT15		Metal Tray	•	•

	_			·			
PRODUCT	f #		SIZE MM	OVERALL IN. /		SI	ΞT
SVDM1	D2TR	10-PC. 1	/2" Drive	Metric Deep	Socket Set		
SVDM1	D6TR	10-PC. 1	/2" Drive	Metric Deep	Socket Set	t	
	VD21	OMMR	10	3-1/4"	/ 82.6		•
	VD21	1MMR	11	3-1/4"	/ 82.6		•
	VD21	2MMR	12	3-1/4"	/ 82.6		•
	VD21	3MMR	13	3-1/4"	/ 82.6		•
	VD21	4MMR	14	3-1/4"	/ 82.6		•
12 MM	VD21	5MMR	15	3-1/4"	/ 82.6		•
	VD21	6MMR	16	3-1/4"	/ 82.6		•
	VD21	7MMR	17	3-1/4"	/ 82.6		•
	VD21	8MMR	18	3-1/4"	/ 82.6		•
	VD21	9MMR	19	3-1/4"	/ 82.6		•
	VD22	OMMR	20	3-1/4"	/ 82.6		
	VD61	OMMR	10	3-1/4"	/ 82.6	•	
	VD61	1MMR	11	3-1/4"	/ 82.6	•	
	VD61	2MMR	12	3-1/4"	/ 82.6	•	
	VD61	3MMR	13	3-1/4"	/ 82.6	•	
	VD61	4MMR	14	3-1/4"	/ 82.6	•	
	VD61	5MMR	15	3-1/4"	/ 82.6	•	
	VD61	6MMR	16	3-1/4"	/ 82.6	•	
	VD61	7MMR	17	3-1/4"	/ 82.6	•	
	VD61	8MMR	18	3-1/4"	/ 82.6	•	
MM	VD61	9MMR	19	3-1/4"	/ 82.6	•	
6	VD62	OMMR	20	3-1/4"	/ 82.6		
	VD62	1MMR	21	3-1/4"	/ 82.6		
	VD62	2MMR	22	3-1/4"	/ 82.6		
	VD62	3MMR	23	3-1/4"	/ 82.6		
	VD62	4MMR	24	3-1/4"	/ 82.6		
	VD62	5MMR	25	3-1/4"	/ 82.6		
	VD62	6MMR	26	3-1/4"	/ 82.6		
	VD62	7MMR	27	3-1/4"	/ 82.6		
	VD63	OMMR	30	3-1/4"	/ 82.6		
	VT23	Y		Metal Tra	y	•	•

1/2" DRIVE IMPACT SOCKETS SETS



The tools on this page have been **PROUDLY MADE IN THE USA** with global components.







						_
PRODUCT #			SIZE MM	OVERALL LENGTH IN. / MM		
SVP152	TR	15-PC.	1/2" Drive SA	IE Impact Socket Set		
SVP92TI	R	9-PC. 1	/2" Drive SAE	Impact Socket Set		
	VP'	122R	3/8"	1-1/2" / 38	•	•
	VP'	142R	7/16"	1-1/2" / 38	•	•
	VP'	162R	1/2"	1-1/2" / 38	•	•
	VP'	182R	9/16"	1-1/2" / 38	•	•
	VP	202R	5/8"	1-1/2" / 38	•	•
	VP	222R	11/16"	1-1/2" / 38	•	•
	VP	242R	3/4"	1-1/2" / 38	•	•
	VP	262R	13/16"	1-5/8" / 41.3	•	•
SAE 12	VP	282R	7/8"	1-5/8" / 41.3	•	•
	VP	302R	15/16"	1-3/4" / 44.5		•
	VP	322R	1"	1-3/4" / 44.5		•
	VP	342R	1-1/16"	1-3/4" / 44.5		•
	VP	362R	1-1/8"	2" / 50.8		•
	VP	382R	1-3/16"	2" / 50.8		•
	VP4	402R	1-1/4"	2" / 50.8		•
	VT	1	N	Metal Tray	•	
	VT1	18	N	Metal Tray		•

PRODUCT	ſ#		SIZE MM	OVERALL LENGTH IN. / MM	SI	ΕT
SVP156	TR	15-PC.	1/2" Drive SA	IE Impact Socket Set		
SVP96T	R	9-PC. 1/	/2" Drive SAE	Impact Socket Set		
	VP	126R	3/8"	1-1/2" / 38	•	•
	VP	146R	7/16"	1-1/2" / 38	•	•
	VP	166R	1/2"	1-1/2" / 38	•	•
	VP	186R	9/16"	1-1/2" / 38	•	•
	VP	206R	5/8"	1-1/2" / 38	•	•
	VP	226R	11/16"	1-1/2" / 38	•	•
	VP	246R	3/4"	1-1/2" / 38	•	•
	VP	266R	13/16"	1-5/8" / 41.3	•	•
	VP	286R	7/8"	1-5/8" / 41.3	•	•
	VP	306R	15/16"	1-3/4" / 44.5		•
SAE 6	VP	326R	1"	1-3/4" / 44.5		•
U	VP	346R	1-1/16"	1-3/4" / 44.5		•
	VP	366R	1-1/8"	2" / 50.8		•
	VP	386R	1-3/16"	2" / 50.8		•
	VP	406R	1-1/4"	2" / 50.8		•
	VP	426R	1-5/16"	2" / 50.8		
	VP	446R	1-3/8"	2" / 50.8		
	VP	466R	1-7/16"	2" / 50.8		
	VP	486R	1-1/2"	2" / 50.8		
	VT	7	N	Metal Tray	•	
	VT	18	N	Metal Tray		•

PRODUCT	· #		SIZE MM	OVERALL LENGTH In. / MM	
SVPM13	B2TR	13-PC. 1/	2" Drive	Metric Impact Socket S	et
	VP210	MMR	10	1-1/2" / 38	•
	VP211	MINIR	11	1-1/2" / 38	•
	VP212	MINIR	12	1-1/2" / 38	•
	VP213	MIMR	13	1-1/2" / 38	•
	VP214	MIMR	14	1-1/2" / 38	•
	VP215	MINIR	15	1-1/2" / 38	•
MM	VP216	MIMR	16	1-1/2" / 38	•
12	VP217	MINIR	17	1-1/2" / 38	•
	VP218	MIMR	18	1-1/2" / 38	•
	VP219	MIMR	19	1-1/2" / 38	•
	VP221	MIMR	21	1-5/8" / 41.3	•
	VP222	MIMR	22	1-5/8" / 41.3	•
	VP224	MIMR	24	1-3/4" / 44.5	•
	VT12Y			Metal Tray	•

GREAT TO WORK WITH



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PRODUCT #		SIZE MM	OVERALL LENGTH IN. / MM	SI	ΕT
SVPM136	TR 13-PC.	1/2" Driv	e Metric Impact Sock	et Set	
SVPM236C	BR 23-PC.	1/2" Drive	Metric Impact Socket	Set	
1	/P610MMR	10	1-1/2" / 38	•	•
١	/P611MMR	11	1-1/2" / 38	•	•
1	/P612MMR	12	1-1/2" / 38	•	•
1	/P613MMR	13	1-1/2" / 38	•	•
1	/P614MMR	14	1-1/2" / 38	•	•
1	/P615MMR	15	1-1/2" / 38	•	•
١	/P616MMR	16	1-1/2" / 38	•	•
١	/P617MMR	17	1-1/2" / 38	•	•
1	/P618MMR	18	1-1/2" / 38	•	•
1	/P619MMR	19	1-1/2" / 38	•	•
1	/P620MMR	20	1-5/8" / 41.3	•	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/P621MMR	21	1-5/8" / 41.3	•	•
IVIIVI	/P622MMR	22	1-5/8" / 41.3	•	•
	IP623MMR	23	1-5/8" / 41.3	•	
1	/P624MMR	24	1-3/4" / 44.5	•	•
1	/P625MMR	25	1-3/4" / 44.5	•	
1	/P626MMR	26	1-3/4" / 44.5	•	
١	/P627MMR	27	1-3/4" / 44.5	•	
١	IP628MMR	28	1-3/4" / 44.5		
١	/P629MMR	29	2" / 50.8	•	
١	/P630MMR	30	2" / 50.8	•	
١	IP632MMR	32	2" / 50.8	•	
9	SC79R	36	2" / 50.8	•	
١	/P646MMR	46	2-3/8" / 60.3	•	
١	IT12Y		Metal Tray		•
9	SH50		Socket Rail	•	



1/2" DISIVIE DEEP IMPACT SOCKETS SETS



The tools on this page have been **PROUDLY MADE IN THE USA** with global components.



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PRODUC	Γ#		SIZE In.	OVERALL LENGTH IN. / MM	S	ET
SVDP13	6TR	13-PC.	1/2" Drive \$	SAE Deep Impact Soc	ket Se	t
SVDP18	6TR	18-PC.	1/2" Drive SI	AE Deep Impact Socket	Set	
	VDP ⁴	146R	7/16"	3-1/4" / 82.6	•	•
	VDP ⁴	166R	1/2"	3-1/4" / 82.6	•	•
	VDP'	186R	9/16"	3-1/4" / 82.6	•	•
	VDP	206R	5/8"	3-1/4" / 82.6	•	•
	VDP	226R	11/16"	3-1/4" / 82.6	•	•
	VDP	246R	3/4"	3-1/4" / 82.6	•	•
	VDP	266R	13/16"	3-1/4" / 82.6	•	•
	VDP	286R	7/8"	3-1/2" / 88.9	•	•
	VDP:	306R	15/16"	3-1/2" / 88.9	•	•
SAE	VDP	326R	1"	3-1/2" / 88.9	•	•
6	VDP:	346R	1-1/16"	3-1/2" / 88.9	•	•
	VDP:	366R	1-1/8"	3-1/2" / 88.9	•	•
	VDP:	386R	1-3/16"	3-1/2" / 88.9	•	
	VDP	406R	1-1/4"	3-1/2" / 88.9	•	•
	VDP	426R	1-5/16"	3-1/2" / 88.9	•	
	VDP	446R	1-3/8"	3-1/2" / 88.9	•	
	VDP	466R	1-7/16"	3-1/2" / 88.9	•	
	VDP	486R	1-1/2"	3-1/2" / 88.9	•	
	VT10)	1	Metal Tray		•
	VT32	2	1	Metal Tray	•	



PRODUCT	ī #		SIZE MM	OVERALL LENGTH IN. / MM		SET	
SVDPM1	116TR	11-PC. 1	/2" Drive	Metric Deep Impact	Sock	et Se	t
SVDPM1	166TR	16-PC. 1/	2" Drive Metric Deep Impact Socket Set				
SVDPM2	46CBR	24-PC. 1. Deep Imp					
	VDP61	OMMR	10	3-1/4" / 82.6	•	•	•
	VDP61	1MMR	11	3-1/4" / 82.6	•	•	
	VDP61	2MMR	12	3-1/4" / 82.6	•	•	•
	VDP61	3MMR	13	3-1/4" / 82.6	•	•	•
	VDP61	14MMR	14	3-1/4" / 82.6	•	•	•
	VDP61	5MMR	15	3-1/4" / 82.6	•	•	•
	VDP61	6MMR	16	3-1/4" / 82.6	•	•	•
	VDP61	7MMR	17	3-1/4" / 82.6	•	•	•
	VDP61	8MMR	18	3-1/4" / 82.6	•	•	•
	VDP61	9MMR	19	3-1/4" / 82.6	•	•	•
	VDP62	OMMR	20	3-1/4" / 82.6	•	•	
	VDP62	1MMR	21	3-1/4" / 82.6	•	•	•
	VDP62	2MMR	22	3-1/4" / 82.6	•	•	
MM	VDP62	3MMR	23	3-1/4" / 82.6	•	•	
6	VDP62	4MMR	24	3-1/4" / 82.6	•	•	•
	VDP62	5MMR	25	3-1/4" / 82.6	•	•	
	VDP62	6MMR	26	3-1/4" / 82.6	•		
	VDP62	7MMR	27	3-1/4" / 82.6	•		
	VDP62	8MMR	28	3-1/4" / 82.6			
	VDP62	9MMR	29	3-1/4" / 82.6	•		
	VDP63	OMMR	30	3-1/4" / 82.6	•		
	VDP63	2MMR	32	3-1/4" / 82.6	•		
	VDP63	4MMR	34	3-1/4" / 82.6	•		
	VDP63	5MMR	35	3-1/4" / 82.6	•		
	VDP63	6MMR	36	3-1/4" / 82.6	•		
	VT24Y	'		Metal Tray			•
	VT36Y	R		Metal Tray		•	
	SH50			Socket Rail	•		



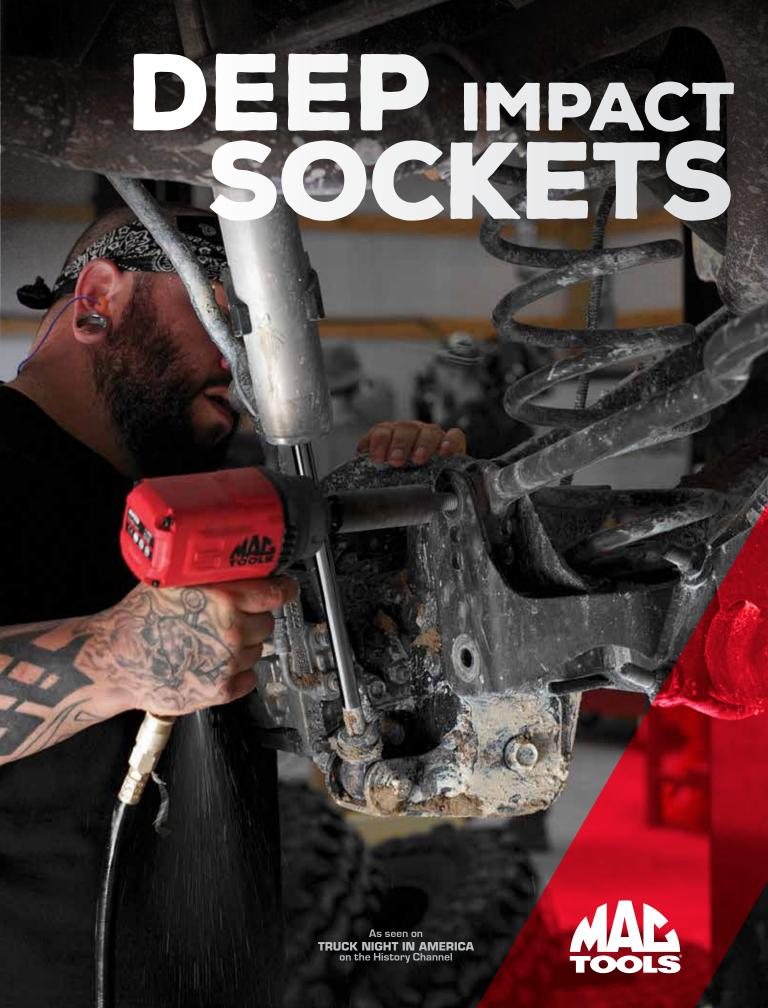
PRODUC	PRODUCT #		SIZE IN.	OVERALL LENGTH IN. / MM	SET
SVDP11	I6DTR		/2" Drive SA ocket Set		
	VDP1	66DR	1/2"	5" / 127	•
	VDP1	B6DR	9/16"	5" / 127	•
	VDP2	06DR	5/8"	5" / 127	•
	VDP2	26DR	11/16"	5" / 127	•
	VDP2	46DR	3/4"	5" / 127	•
SAE	VDP2	66DR	13/16"	5" / 127	•
6	VDP2	B6DR	7/8"	5" / 127	•
	VDP3	06DR	15/16"	5" / 127	•
	VDP3	26DR	1"	5" / 127	•
	VDP3	46DR	1-1/16"	5" / 127	•
	VDP3	66DR	1-1/8"	5" / 127	•
	VT33		1	Metal Tray	•



VDP615MMDR 1/2" DRIVE 15MM METRIC EXTRA DEEP IMPACT SOCKET

• Overall length: 5" (127mm)





1/2" DRIVE SOCKETS SETS



The tools on this page have been PROUDLY MADE IN THE USA with global components.







PRODUCT	#		SIZE IN.	OVERALL LENGTH IN. / MM		SET	
SVUP96	TR	9-PC. 1/	2" Drive SA	E Universal Impact S	ocket	Set	
SVUP7P	TR	7-PC. 1/	2" Drive SA	E Universal Impact S	ocket	Set	
SVUP66	TR		'2" Drive SA Socket Set	E Universal			
SAE	VU	P182R	9/16"	2-9/16" / 65.1			
12	VU	P202R	5/8"	2-9/16" / 65.1			
	VU	P146R	7/16"	2-9/16" / 65.1			•
	VU	P166R	1/2"	2-9/16" / 65.1		•	•
	VU	P186R	9/16"	2-9/16" / 65.1		•	•
	VU	P206R	5/8"	2-9/16" / 65.1		•	•
	VU	P226R	11/16"	2-9/16" / 65.1		•	•
	VU	P246R	3/4"	2-9/16" / 65.1		•	•
	VU	P266R	13/16"	2-9/16" / 65.1		•	•
SAE G	VU	P286R	7/8"	2-9/16" / 65.1		•	•
Y	VU	P306R	15/16"	2-9/16" / 65.1			•
	VU	P326R	1"	2-53/64" / 71.8	•		
	VU	P346R	1-1/16"	2-59/64" / 74.2	•		
	VU	P366R	1-1/8"	3" / 76.2	•		
	VU	P386R	1-3/16"	3-3/32" / 78.6	•		
	VU	P406R	1-1/4"	3-11/64" / 80.6	•		
	VU	P426R	1-5/16"	3-1/4" / 82.6	•		
	PT	13	Р	lastic Tray		•	
	VT	21	N	Metal Tray			•
	VT	34	N	Metal Tray	•		

PRODUCT	ſ#		SIZE MM	OVERALL LENGTH IN. / MM	SET			
SVUPMS				" Drive Metric Universal Impact et in Metal Tray				
			Drive Me t in Plastic	etric Universal Impact C Tray				
	VUP6	13MMR	13	2-5/8" / 66.7	•	•		
	VUP6	14MMR	14	2-5/8" / 66.7	•	•		
	VUP6	15MMR	15	2-5/8" / 66.7	•	•		
	VUP6	16MMR	16	2-5/8" / 66.7	•			
MM	VUP6	17MMR	17	2-5/8" / 66.7	•	•		
6	VUP6	18MMR	18	2-5/8" / 66.7	•	•		
	VUP6	19MMR	19	2-5/8" / 66.7	•	•		
	VUP6	21MMR	21	2-5/8" / 66.7		•		
	VUP6	22MMR	22	2-5/8" / 66.7		•		
	VUP6	24MMR	24	2-5/8" / 66.7		•		
	VT29	1		Metal Tray		•		
	PT13			Plastic Tray	•			

	PRODUCT # SVUP66DPTR 6-PC.		SIZE IN. / MM	OVERALL LENGTH IN. / MM	SI	ΕT
SVUPbb	DPIK	Deep	Impact Soc	ket Set		
			1/2" Drive t Socket S	Metric Deep Univer et	sal	
	VUP168	DR	1/2"	3-1/2" / 88.9		
	VUP186	DR	9/16"	3-1/2" / 88.9		•
	VUP208	DR	5/8"	3-1/2" / 88.9		•
SAE	VUP228	DR	11/16"	3-1/2" / 88.9		•
6	VUP246	DR	3/4"	3-1/2" / 88.9		•
	VUP268	DR	13/16"	3-1/2" / 88.9		•
	VUP286	DR	7/8"	3-1/2" / 88.9		•
	VUP308	DR	15/16"	3-1/2" / 88.9		
	VUPD613	MMR	13	3-1/2" / 88.9	•	
	VUPD614	MMR	14	3-1/2" / 88.9	•	
	VUPD615	MMR	15	3-1/2" / 88.9	•	
MM	VUPD616	MMR	16	3-1/2" / 88.9	•	
6	VUPD617	MMR	17	3-1/2" / 88.9	•	
U	VUPD618	MMR	18	3-1/2" / 88.9	•	
	VUPD619	MMR	19	3-1/2" / 88.9	•	
	PT158		F	Plastic Tray	•	
	PT49		F	Plastic Tray		•

GREAT TO WORK WITH

SPECIALTY SOCKETS



PRODUCT #		SIZE IN.	OVERALL LENGTH IN. / MM	SET	
SVP8T		8-PC. 1/2	" Drive SAE	Drain Plug Socket Set	
	VP	В	1/4"	1-3/8" / 34.9	•
	VP	9	9/32"	1-3/8" / 34.9	•
	VP	10	5/16"	1-3/8" / 34.9	•
	VP	12	3/8"	1-3/8" / 34.9	•
SAE 4	VP	14	7/16"	1-3/8" / 34.9	•
	VP.	16	1/2"	1-3/8" / 34.9	•
	VP	18	9/16"	1-3/8" / 34.9	•
	VP	20	5/8"	1-3/8" / 34.9	•
	VT	17		Metal Tray	•



SVPT116B

IMPACT SOCKET WHEEL/LUG PROTECTOR SOCKET SET

- Thin wall sockets for access in tight work areasPlastic sleeves and inserts protect wheel and lug nut finish
- Large size markings on each socket sleeve for quick identification
 High visibility red sleeves help prevent lost tools

PRODUCT	· 「#		SIZE IN.	OVERALL LENGTH IN. / MM	SET
SVPT11	6B	11-PC. Protect		npact Socket Wheel/L	ug
	VPT2	46	3/4"	3-3/8" / 85.7	•
	VPT2	66	13/16"	3-3/8" / 85.7	•
SAE	VPT2	B 6	7/8"	3-3/8" / 85.7	•
6	VPT3	06	15/16"	3-3/8" / 85.7	•
	VPT3	26	1"	3-3/8" / 85.7	•
	VPT3	46	1-1/16"	3-3/8" / 85.7	•
	VPT61	7MM	17	3-3/8" / 85.7	•
MM 6	VPT61	9MM	19	3-3/8" / 85.7	•
U	VPT62	1MM	21	3-3/8" / 85.7	•
	VPT3	E	3" Impact Extension	3" / 76.2	•
	VPT5	E	5" Impact Extension	5" / 127	•

3/4" DRIVE RATCHET, EXTENSION, AND ADAPTERS



The tools on this page have been PROUDLY MADE IN THE USA with global components.

Z36SF

3/4" DRIVE 36" BREAKER BAR

- Can be used to apply up to 750 ft-lbs. of torque
- Triangular grip provides greater control and comfort



A2416A

3/4" ADAPTER• 3/4" Female to 1/2" Male

• Overall length: 2-1/4" (57.2mm)



AP2416RB

2-PC. IMPACT ADAPTER

- 3/4" Female to 1/2" Male
- Overall length: 1-15/16" (49.2mm)

A2432A

3/4" ADAPTER

- 3/4" Female to 1" Male
- Overall length: 2-5/8" (66.7mm)



AP2432

3/4" IMPACT ADAPTER

- 3/4" Female to 1" Male
- Overall length: 2-19/32" (65.9mm)



ZP4EP (NOT SHOWN)

4" IMPACT EXTENSION

Hole type retainer

ZP7EP

7" IMPACT EXTENSION

• Hole type retainer

WARNING: Chrome sockets and attachments should only be used with hand-open



J5868 1" DRIVE PROTO **BREAKER BAR - 27"**

- Made of heat-treated alloy steel
- Head flexes 90° from horizontal
- Knurled handle provides additional control



2-1/2" IMPACT ADAPTER

- 1" Female square
- 3/4" Male square

W10EKLQ

10" DRIVE IMPACT **LOCKING EXTENSIONS**

W14EKLQ (NOT SHOWN)

14" DRIVE IMPACT **LOCKING EXTENSIONS**

· Locking mechanism locks socket to extension





The tools on this page have been **PROUDLY MADE IN THE USA** with global components.





11-PC. DEEP IMPACT SOCKET SET

PRODUCT	ſ#		SIZE IN.	OVERALL LENGTH In. / MM	SET
SZDP11	6TRA	11-PC	. 3/4" Drive	SAE Deep Impact Socke	t Set
	ZDP2	46RA	3/4"	3-7/64" / 79	•
	ZDP2	66RA	13/16"	3-7/64" / 79	•
	ZDP2	86RA	7/8"	3-7/64" / 79	•
	ZDP3	OGRA	15/16"	3-7/64" / 79	•
	ZDP3	26RA	1"	3-7/64" / 79	•
	ZDP3	46RA	1-1/16"	3-1/2" / 88.9	•
	ZDP3	66RA	1-1/8"	3-1/2" / 88.9	•
	ZDP3	86RA	1-3/16"	3-1/2" / 88.9	•
	ZDP4	OGRA	1-1/4"	3-1/2" / 88.9	•
SAE	ZDP4	26RA	1-5/16"	3-1/2" / 88.9	•
6	ZDP4	46RA	1-3/8"	3-1/2" / 88.9	•
	ZDP4	66RA	1-7/16"	3-1/2" / 88.9	
	ZDP4	86RA	1-1/2"	3-1/2" / 88.9	
	ZDP5	06RA	1-9/16"	3-1/2" / 88.9	
	ZDP5	46RA	1-11/16"	3-1/2" / 88.9	
	ZDP5	66RA	1-3/4"	3-1/2" / 88.9	
	ZDP5	86RA	1-13/16"	3-3/4" / 95.3	
	ZDP6	06RA	1-7/8"	3-3/4" / 95.3	
	ZDP6	46RA	2"	3-3/4" / 95.3	
	ZT1A			Metal Tray	•



PRODUCT #		SIZE In.	OVERALL LENGTH In. / MM
	Z282RA	7/8"	2" / 50.8
	Z302RA	15/16"	2" / 50.8
	Z322RA	1"	2-1/16" / 52.4
	Z362RA	1-1/8"	2-1/8" / 54
SAE	Z402RA	1-1/4"	2-3/16" / 55.6
12	Z422RA	1-5/16"	2-1/4" / 57.2
	Z442RA	1-3/8"	2-3/8" / 60.3
	Z462RA	1-7/16"	2-5/16" / 58.7
	Z482RA	1-1/2"	2-7/16" / 61.9
	Z502RA	1-9/16"	2-5/8" / 66.7

SIZE IN. 1-5/8" 1-11/16" 1-3/4"	OVERALL LENGTH IN. / MM 2-5/32" / 54.8 2-3/4" / 69.9 2-21/32" / 67.5
1-11/16"	2-3/4" / 69.9
1-3/4"	0.04/00* / 07 5
	2-21/32 / 6/.3
1-13/16"	2-13/16" / 71.4
1-7/8"	2-7/8" / 73
2-1/16"	3-1/8" / 79.4
2-1/8"	3-1/4" / 82.6
2-3/16"	3-1/4" / 82.6
	2-1/16"



3/4" DRIVE THIN WALL IMPACT SOCKETS

PRODUCT #		SIZE In.	OVERALL LENGTH IN. / MM
	ZIP266RA	13/16"	4" / 101.6
	ZIP306RA	15/16"	4" / 101.6
	ZIP326RA	1"	4" / 101.6
	ZIP346RA	1-1/16"	4" / 101.6
SAE 6	ZIP366RA	1-1/8"	4" / 101.6
U	ZIP386RA	1-3/16"	4" / 101.6
	ZIP426RA	1-5/16"	4" / 101.6
	ZIP466RA	1-7/16"	3-1/2" / 88.9
	ZIP486RA	1-1/2"	3-1/2" / 88.9



PRODUCT	#	SIZE IN.	OVERALL LENGTH IN. / MM	SET
SC011K	S 11-PC. 3/8"	Drive SAE O	pen-End Crowfoot Wren	ch Set
	CO12KS	3/8	1-1/4" / 31.85	•
	CO14KS	7/16	1-9/32" / 32.6	•
	CO16KS	1/2	1-25/64" / 35.4	•
	CO18KS	9/16	1-9/16" / 39.57	•
	CO20KS	5/8	1-41/64" / 41.76	•
SAE	CO22KS	11/16	1-55/64" / 47.12	•
	CO24KS	3/4	1-57/64" / 48.18	•
	CO26KS	13/16	1-61/64" / 49.71	•
	CO28KS	7/8	2" / 51	•
	CO30KS	15/16	2-1/16" / 52.55	•
	CO32KS	1	2-1/8" / 53.85	•

SMCOS10KS METRIC OPEN-END CROWFOOT WRENCH SET

PRODUCT	#		SIZE MM	OVERALL LENGTH IN. / MM	SET
		3/8" Drive I Id Crowfoot	Metric Wrench Set		
	MCO	10KS	10	1-5/16" / 33.4	•
	MCO	11KS	11	1-11/32" / 34	•
	MCO	12KS	12	1-7/16" / 36.6	•
	MCO	13KS	13	1-15/32" / 37.16	•
мм	MCO	14KS	14	1-31/64" / 37.72	•
IVIIVI	MCO	15KS	15	1-19/32" / 40.34	•
	MCO	16KS	16	1-5/8" / 41.43	•
MC	MCO	17KS	17	1-11/16" / 42.88	•
	MCO	18KS	18	1-57/64" / 48.16	•
	MCO	19KS	19	1-59/64" / 48.72	•



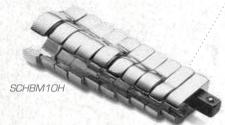
PRODUCT	Г#		SIZE IN.	OVERALL LENGTH IN. / MM	SET
SCOV5K	S		' Drive SAE Crowfoot W	rench Set	
	C	OV34KS	1-1/16	2-7/8" / 72.9	•
	C	OV36KS	1-1/8	2-31/32" / 75.36	•
SAE	C	OV40KS	1-1/4	3-17/64" / 82.96	•
	C	OV44KS	1-3/8	3-21/64" / 84.7	•
	C	OV48KS	1-1/2	3-13/32" / 86.54	•



PRODUCT	ſ#		SIZE In. / Mm	OVERALL LENGTH IN. / MM	SI	ĒΤ
SXB92H		9-PC. 3/8	B" Drive SA	E Box End Torque Adapter	Set	
SXBM1	02H	10-PC. 3	/8" Drive N	letric Box End Torque Adap	iter	
	XB8	2A	1/4"	2-9/16" / 65.1		
	XB1	02A	5/16"	2-19/32" / 65.9		
	XB1	22A	3/8"	2-11/16" / 68.3		•
	XB1	42A	7/16"	2-3/4" / 69.9		•
	XB1	62A	1/2"	2-25/32" / 70.6		•
SAE	XB1	82A	9/16"	2-27/32" / 72.2		•
	XB2	02A	5/8"	2-7/8" / 73		•
	XB2	22A	11/16"	2-29/32" / 73.8		•
	XB2	42A	3/4"	2-31/32" / 75.4		•
	XB2	62A	13/16"	3" / 76.2		•
	XB2	82A	7/8"	3-1/16" / 77.8		•
	XB2	10MMR	10	2-5/8" / 66.7	•	
	XB2	11MMR	11	2-5/8" / 66.7	•	
	XB2	12MMR	12	2-3/4" / 69.9	•	
	XB2	13MMR	13	2-3/4" / 69.9	•	
мм	XB2	14MMR	14	2-3/4" / 69.9	•	
IVIIVI	XB2	15MMR	15	2-3/4" / 69.9	•	
	XB2	16MMR	16	2-3/4" / 69.9	•	
	XB2	17MMR	17	2-7/8" / 73	•	
	XB2	18MMR	18	2-7/8" / 73	•	



SCHB8PT



FLARE NUT CROWFOOT WRENCH SETS

900	14.6		200		
PRODUCT	ſ#	SIZE IN. / MM	OVERALL LENGTH IN. / MM	S	ET
		C. 3/8" Drive Si wfoot Wrench			
SCHBM		PC. 3/8" Drive I wfoot Wrench	Metric Flare Nut Set		
	CHB12	3/8"	1-7/16" / 36.5		•
	CHB14	7/16"	1-1/2" / 38.1		•
	CHB16	1/2"	1-5/8" / 41.3		•
SAE	CHB18	9/16"	1-5/8" / 41.3		•
	CHB20	5/8"	1-3/4" / 44.5		•
	CHB22	11/16"	1-13/16" / 46		•
	CHB24	3/4"	1-15/16" / 49.2		•
	CHB26	13/16"	2" / 50.8		•
	СНВМ9	9	1-11/32" / 34.1		
	CHBM10	10	1-3/8" / 34.9	•	
	CHBM11	11	1-15/32" / 37.3	•	
	CHBM12	12	1-1/2" / 38.1	•	
ММ	CHBM13	13	1-19/32" / 40.5	•	
IVIIVI	СНВМ14	14	1-5/8" / 41.3	•	
	CHBM15	15	1-11/16" / 42.9	•	
	СНВМ16	16	1-3/4" / 44.5	•	
	CHBM17	17	1-25/32" / 45.2	•	
	СНВМ18	18	1-27/32" / 46.8	•	
	PT38	Pl	astic Tray.		•
	КСН4	Crowfoo	t Wrench Holder	•	

XB219MMR

2-7/8" / 73

DRIVIARS AND STAR DRIVER SETS



PRODUCT #	TORX® Size	DRIVE Size	OVERALL LENGTH IN. / MM	SET
ST11T	11-PC. 1/4" and	3/8" Drive T	orx® Driver Set	
MT8	T8	1/4"	1-7/16" / 36.5	•
MT10	T10	1/4"	1-7/16" / 36.5	•
MT15	T15	1/4"	1-7/16" / 36.5	•
MT20 T20		1/4"	1-7/16" / 36.5	•
MT25	T25	1/4"	1-7/16" / 36.5	•
MT27	T27	1/4"	1-7/16" / 36.5	•
T30	T30	3/8"	1-7/8" / 47.6	•
T40	T40	3/8"	1-7/8" / 47.6	•
T45	T45	3/8"	1-7/8" / 47.6	•
T50 T50		3/8"	1-7/8" / 47.6	•
T55 T55		3/8"	1-7/8" / 47.6	•
MXT1	MXT1 Metal Tray			•



PRODUCT #	TORX® Size	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
ST12HB	12-PC. 1/4" a Tamper-Resis			
MT8BHS	T8H	1/4"	1-7/16" / 36.5	•
MT10BHS	T10H	1/4"	1-7/16" / 36.5	•
MT15BHS	T15H	1/4"	1-7/16" / 36.5	•
MT20BHS	T20H	1/4"	1-7/16" / 36.5	•
MT25BHS	T25H	1/4"	1-7/16" / 36.5	•
MT27BHS	T27H	1/4"	1-7/16" / 36.5	•
ХТЗОВНЅ	T30H	3/8"	1-7/8" / 47.6	•
XT40BHS	T40H	3/8"	1-7/8" / 47.6	•
XT45BHS	T45H	3/8"	1-7/8" / 47.6	•
XT47BHS	T47H	3/8"	1-7/8" / 47.6	•
XT50BHS	T50H	3/8"	1-7/8" / 47.6	•
XT55BHS	T55H	3/8"	1-7/8" / 47.6	•



TAMPER-RESISTANT TORX® DRIVERS AND SET

	1 Car	LIN VALLE	311/04/10 10:04	
PRODUCT #	TORX® SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
ST11HT		and 3/8" Driv istant Torx® D		
МТ8Н	Т8	1/4"	1-7/16" / 36.5	•
МТ10Н	T10	1/4"	1-7/16" / 36.5	•
MT15H	T15	1/4"	1-7/16" / 36.5	•
MT20H	T20	1/4"	1-7/16" / 36.5	•
МТ25Н	T25	1/4"	1-7/16" / 36.5	•
МТ27Н	T27	1/4"	1-7/16" / 36.5	•
ТЗОН	T30	3/8"	1-7/8" / 47.6	•
T40H	T40	3/8"	1-7/8" / 47.6	•
T45H	T45	3/8"	1-7/8" / 47.6	•
T50H	T50	3/8"	1-7/8" / 47.6	•
T55H	T55	3/8"	1-7/8" / 47.6	•
MXT1		Metal T	ray	•



SMXTSH11B

5-PT. STAR TAMPER-RESISTANT DRIVERS AND SET

• S2 bits for long lasting performance

PRODUCT #	SIZE	DRIVE Size	OVERALL LENGTH IN. / MM	SET
SMXTSH11B	11-PC. 5-P	T. Star Tamp	er-Resistant Driver S	et
MTS8H	TS8H	1/4"	1-7/16" / 36.5	•
MTS10H	TS10H	1/4"	1-7/16" / 36.5	•
MTS15H	TS15H	1/4"	1-7/16" / 36.5	•
MTS20H	TS20H	1/4"	1-7/16" / 36.5	•
MTS25H	TS25H	1/4"	1-7/16" / 36.5	•
MTS27H	TS27H	1/4"	1-7/16" / 36.5	•
MTS30H	TS30H	1/4"	1-7/16" / 36.5	•
XTS40H	TS40H	3/8"	1-7/8" / 47.6	•
XTS45H	TS45H	3/8"	1-7/8" / 47.6	•
XTS50H	TS50H	3/8"	1-7/8" / 47.6	•
XTS55H	TS55H	3/8"	1-7/8" / 47.6	•



9-PC. 1/4" EXTERNAL STAR SOCKET SET

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SMT9PT	9-PC. Ext	ternal Star	Socket Set	
ME4S	E4	1/4"	1" / 25	•
ME5S	E5	1/4"	1" / 25	•
MEGS	E6	1/4"	1" / 25	•
ME7S	E7	1/4"	1" / 25	•
ME8S	E8	1/4"	1" / 25	•
ME10S	E10	1/4"	1" / 25	•
ME11S	E11	1/4"	1" / 25	•
ME12S	E12	1/4"	1" / 25	•
ME14S	E14	1/4"	1" / 25	•

SMLT13B (NOT SHOWN)
13-PC. 1/4" MID-LENGTH
TORX® DRIVER SET

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH In. / MM	SET
SMLT13B	13-PC. N	lid-Length	Torx® Driver Set	
MTML8	T8	1/4"		•
MTML10	T10	1/4"		•
MTML15	T15	1/4"		•
MTML20	T20	1/4"		•
MTML25	T25	1/4"		•
XTML27	T27	1/4"		•
XTML30	T30	1/4"		•
XTML40	T40	1/4"		•
XTML45	T45	1/4"		•
XTML47	T47	1/4"		•
XTML50	T50	1/4"		•
XTML55	T55	1/4"		•
VTML60	T60	1/4"		•

DRIVIAR SAIS TORX® AND STAR DRIVER SETS



STTP25B

STAR AND STAR PLUS DRIVER SET

- Complete set designed for use on Star and Star Plus fasteners
- S2 Bits for long lasting durability
- · Full polish, chrome-plated sockets
- Packaged in blow-molded case for easy organization and storage



STAR PLUS DRIVER SET

- Star Plus for high torque transmission
- Eliminates cam out S2 bits stronger, more durable performance
- Chrome sockets superior corrosion resistance



ST13B

STAR DRIVER SET

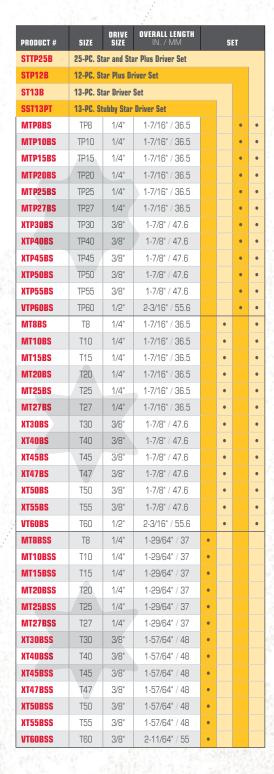
- · Designed for use on Star fasteners
- · S2 Bits for long lasting durability
- Full polish, chrome-plated sockets
- Packaged in blow-molded case for easy organization and storage





STUBBY STAR DRIVER SET

- · Designed for use on Star fasteners
- Stubby length for access in tight areas [1" to 1-13/16"]
- · S2 bits for long lasting durability
- [13] Full-polish, chrome-plated sockets (T8 to T60)



WARNINGs: Chrome sockets and attachments should only be used with hand-operated ha Star drivers (or sockets when appropriata) are for use with Torx® fasteners;



PRODUCT #	SIZE	DRIVE SIZE	OVERALL Length	OVERALL LENGTH [MM]	S	ET
SMXVTL13B	13-PC. Lo	ng Star Dri	iver Set			
SMXTL8B	8-PC. Lor	ıg Star Driv	er Set			
MTL8	T8	1/4"	5"	127	•	•
MTL10	T10	1/4"	5"	127	•	•
MTL15	T15	1/4"	5"	127	•	•
MTL20	T20	1/4"	5"	127	•	•
MTL25	T25	1/4"	5"	127	•	•
XTL27	T27	3/8"	5"	127	•	•
XTL30	T30	3/8"	5"	127	•	•
XTL40	T40	3/8"	5"	127	•	•
VTL45	T45	1/2"	6"	152.4		•
VTL50	T50	1/2"	6"	152.4		•
VTL55	T55	1/2"	6"	152.4		•
VTL60	T60	1/2"	6"	152.4		•
VTL70	T70	1/2"	6"	152.4		•



SMXVHTL13B

13-PC. LONG TAMPER-RESISTANT STAR DRIVER SET

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SMXVHTL13B	13-PC. Lo	ong Tamper	-Resistant Star Driver	Set
MTL8H	T8H	1/4"	2-3/4" / 70	•
MTL10H	T10H	1/4"	2-3/4" / 70	•
MTL15H	T15H	1/4"	2-3/4" / 70	•
MTL20H	T20H	1/4"	2-3/4" / 70	•
MTL25H	T25H	1/4"	2-3/4" / 70	•
XTL27H	T27H	3/8"	2-3/4" / 70	•
XTL30H	ТЗОН	3/8"	2-3/4" / 70	•
XTL40H	T40H	3/8"	2-3/4" / 70	•
VTL45H	T45H	1/2"	3" / 76	•
VTL50H	T50H	1/2"	3" / 76	•
VTL55H	T55H	1/2"	3" / 76	•
VTL60H	T60H	1/2"	3" / 76	•
VTL70H	T70H	1/2"	3" / 76	•



DRIVER SETS TORX® AND STAR DRIVER SETS



STP9LPT

9-PC. LONG IMPACT STAR DRIVER SET

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
STP9LPT	9-PC. Lo	ng Impact S	Star Driver Set	
XTL20BSP	T20	1/4"	5-15/16" / 150	•
XTL25BSP	T25	1/4"	5-15/16" / 150	•
XTL27BSP	T27	1/4"	5-15/16" / 150	•
XTL30BSP	T30	3/8"	5-15/16" / 150	•
XTL40BSP	T40	3/8"	5-15/16" / 150	•
XTL45BSP	T45	3/8"	5-15/16" / 150	•
XTL50BSP	T50	3/8"	5-15/16" / 150	•
XTL55BSP	T55	3/8"	5-15/16" / 150	•
VTL60BSP	T60	1/2"	5-15/16" / 150	•



SST13PT

13-PC. STUBBY STAR **DRIVER SET**

PRODUCT #	SIZE	DRIVE Size	OVERALL LENGTH IN. / MM	SET
SST13PT	13-PC. St	tubby Star Dri	ver Set	
MT8BSS	T8	1/4"	1" / 25	•
MT10BSS	T10	1/4"	1" / 25	•
MT15BSS	T15	1/4"	1" / 25	•
MT20BSS	T20	1/4"	1" / 25	•
MT25BSS	T25	1/4"	1" / 25	•
MT27BSS	T27	1/4"	1" / 25	•
XT30BSS	T30	3/8"	1-13/16" / 46	•
XT40BSS	T40	3/8"	1-13/16" / 46	•
XT45BSS	T45	3/8"	1-13/16" / 46	•
XT47BSS	T47	3/8"	1-13/16" / 46	•
XT50BSS	T50	3/8"	1-13/16" / 46	•
XT55BSS	T55	3/8"	1-13/16" / 46	•
VT60BSS	T60	1/2"	2-1/16" / 53	•



STP9PT

9-PC. IMPACT STAR **DRIVER SET**

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
STP9PT	9-PC. Sta	r Driver Set		
MT20BSP	T20	1/4"	1" / 25	•
MT25BSP	T25	1/4"	1" / 25	•
MT27BSP	T27	1/4"	1" / 25	•
XT30BSP	T30	3/8"	1-1/4" / 32	•
XT40BSP	T40	3/8"	1-1/4" / 32	•
XT45BSP	T45	3/8"	1-1/4" / 32	•
XT50BSP	T50	3/8"	1-1/4" / 32	•
XT55BSP	T55	3/8"	1-1/4" / 32	•
VT60BSP	T60	1/2"	1-1/2" / 38	•



13-PC. IMPACT INVERTED STAR SOCKET SET

PRODUCT #	SIZE	DRIVE Size	OVERALL LENGTH In. / MM	SET
SMXVEP13B	13-PC. In	npact Inverted	d Star Socket Set	
MEP4S	E4	1/4"	1" / 25	•
MEP5S	E5	1/4"	1" / 25	•
MEP6S	E6	1/4"	1" / 25	•
MEP7S	E7	1/4"	1" / 25	•
MEP8S	E8	1/4"	1" / 25	•
XEP10S	E10	3/8"	1-1/4" / 32	•
XEP12S	E12	3/8"	1-1/4" / 32	•
XEP14S	E14	3/8"	1-1/4" / 32	•
XEP16S	E16	3/8"	1-1/4" / 32	•
VEP18S	E18	1/2"	1-1/2" / 38	•
VEP20S	E20	1/2"	1-1/2" / 38	•
VEP22S	E22	1/2"	1-1/2" / 38	•
VEP24S	E24	1/2"	1-1/2" / 38	•



13-PC. DEEP INVERTED STAR SOCKET SET

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SMXVED13B	13-PC. De	eep Inverted S	Star Socket Set	
MED4S	E4	1/4"	2" / 51	•
MED5S	E5	1/4"	2" / 51	•
MED6S	E6	1/4"	2" / 51	•
MED7S	E7	1/4"	2" / 51	•
MED8S	E8	1/4"	2" / 51	•
XED10S	E10	3/8"	2-1/2" / 63	•
XED12S	E12	3/8"	2-1/2" / 63	•
XED14S	E14	3/8"	2-1/2" / 63	•
XED16S	E16	3/8"	2-1/2" / 63	•
VED18S	E18	1/2"	3" / 76	•
VED20S	E20	1/2"	3" / 76	•
VED22S	E22	1/2"	3" / 76	•
VED24S	E24	1/2"	3" / 76	•



SMXVE13B

13-PC. EXTERNAL STAR SOCKET SET

PRODUCT#	SIZE	DRIVE Size	OVERALL LENGTH IN. / MM	SET
SMXVE13B	13-PC. E)	ternal Star S	ocket Set	
ME4S	E4	1/4"	1" / 25	•
ME5S	E5	1/4"	1" / 25	•
MEGS	E6	1/4"	1" / 25	•
ME7S	E7	1/4"	1" / 25	•
ME8S	E8	1/4"	1" / 25	•
XE10S	E10	3/8"	1-1/8" / 28.6	•
XE12S	E12	3/8"	1-1/8" / 28.6	•
XE14S	E14	3/8"	1-1/8" / 28.6	•
XE16S	E16	3/8"	1-1/4" / 32	•
VE18S	E18	1/2"	1-1/2" / 38	•
VE20S	E20	1/2"	1-1/2" / 38	•
VE22S	E22	1/2"	1-1/2" / 38	•
VE24S	E24	1/2"	1-1/2" / 38	•

SMXVT52B 52-PC STAR BIT DRIVER SET

PRODUCT #	DRIVER STYLE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SMXVT52B	52-PC. Star Bit Driver	Set		
MT8BSS	T8 Stubby	1/4"	1" / 25	•
MT10BSS	T10 Stubby	1/4"	1" / 25	•
MT15BSS	T15 Stubby	1/4"	1" / 25	•
MT20BSS	T20 Stubby	1/4"	1" / 25	•
MT25BSS	T25 Stubby	1/4"	1" / 25	•
MT27BSS	T27 Stubby	1/4"	1" / 25	•
XT30BSS	T30 Stubby	3/8"	1-13/16" / 46	•
XT40BSS	T40 Stubby	3/8"	1-13/16" / 46	•
XT45BSS	T45 Stubby	3/8"	1-13/16" / 46	•
XT47BSS	T47 Stubby	3/8"	1-13/16" / 46	•
XT50BSS	T50 Stubby	3/8"	1-13/16" / 46	•
XT55BSS	T55 Stubby	3/8"	1-13/16" / 46	•
VT60BSS	T60 Stubby	1/2"	2-1/16" / 53	•
MT8BS	T8 Torx	1/4"	1-1/32" / 26	•
MT15BS	T10 Torx	1/4"	1-1/32" / 26	•
MT10BS	T15 Torx	1/4"	1-1/32" / 26	•
MT20BS	T20 Torx	1/4"	1-1/32" / 26	•
MT25BS	T25 Torx	1/4"	1-1/32" / 26	•
MT27BS	T27 Torx	1/4"	1-29/64" / 37	•
XT30BS	T30 Torx	3/8"	1-11/32" / 34	•
XT40BS	T40 Torx	3/8"	1-11/32" / 34	•
XT45BS	T45 Torx	3/8"	1-11/32" / 34	•
XT47BS	T47 Torx	3/8"	1-11/32" / 34	•
XT50BS	T50 Torx	3/8"	1-11/32" / 34	•
XT55BS	T55 Torx	3/8"	1-11/32" / 34	•
VT60BS	T60 Torx	1/2"	2-3/16" / 55	•
MTML8	T8 Mid-Length Torx	1/4"	2-3/4" / 70	•
MTML10	T10 Mid-Length Torx	1/4"	2-3/4" / 70	•
MTML15	T15 Mid-Length Torx	1/4"	2-3/4" / 70	•
MTML20	T20 Mid-Length Torx	1/4"	2-3/4" / 70	•
MTML25	T25 Mid-Length Torx	1/4"	2-3/4" / 70	•



PRODUCT #	DRIVER STYLE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SMXVT52B	52-PC. Star Bit Driver	Set		
XTML27	T27 Mid-Length Torx	3/8"	2-3/4" / 70	•
XTML30	T30 Mid-Length Torx	3/8"	2-3/4" / 70	•
XTML40	T40 Mid-Length Torx	3/8"	2-3/4" / 70	•
XTML45	T45 Mid-Length Torx	3/8"	2-3/4" / 70	•
XTML47	T47 Mid-Length Torx	3/8"	2-3/4" / 70	•
XTML50	T50 Mid-Length Torx	3/8"	2-3/4" / 70	•
XTML55	T55 Mid-Length Torx	3/8"	2-3/4" / 70	•
VTML60	T60 Mid-Length Torx	1/2"	2-3/4" / 70	•
MTL8	T8 Long Torx	1/4"	5" / 127	•
MTL10	T10 Long Torx	1/4"	5" / 127	•
MTL15	T15 Long Torx	1/4"	5" / 127	•
MTL20	T20 Long Torx	1/4"	5" / 127	•
MTL25	T25 Long Torx	1/4"	5" / 127	•
XTL27	T27 Long Torx	3/8"	5" / 127	•
XTL30	T30 Long Torx	3/8"	5" / 127	•
XTL40	T40 Long Torx	3/8"	5" / 127	•
VTL45	T45 Long Torx	1/2"	6" / 152.4	•
VTL50	T50 Long Torx	1/2"	6" / 152.4	•
VTL55	T55 Long Torx	1/2"	6" / 152.4	•
VTL60	T60 Long Torx	1/2"	6" / 152.4	•
VTL70	T70 Long Torx	1/2"	6" / 152.4	•

DRIVIARS AND STAR DRIVER SETS



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	HEX	DRI\	/ER	SE	T

- Long bits for access in hard-to-reach places
 High-strength steel for durability
 High-polish chrome set

PRODUCT #	TORX® Size	DRIVE Size	OVERALL LENGTH IN. / MM	SET
SMXVHT50B	50-PC. St	ar Driver S	et	
ME4S	E4	1/4"	1" / 25	•
ME5S	E5	1/4"	1" / 25	•
MEGS	E6	1/4"	1" / 25	•
ME7S	E7	1/4"	1" / 25	•
ME8S	E8	1/4"	1" / 25	•
XE10S	E10	3/8"	1-1/8" / 28	•
XE12S	E12	3/8"	1-1/8" / 28	•
XE14S	E14	3/8"	1-1/8" / 28	•
XE16S	E16	3/8"	1-1/8" / 28	•
VE18S	E18	1/2"	1-1/2" / 38	•
VE2OS	E20	1/2"	1-1/2" / 38	•
MT8BS	T8	1/4"	1-1/32" / 26	•
MT10BS	T10	1/4"	1-1/32" / 26	•
MT15BS	T15	1/4"	1-1/32" / 26	•
MT20BS	T20	1/4"	1-1/32" / 26	•
MT25BS	T25	1/4"	1-1/32" / 26	•
MT27BS	T27	1/4"	1-7/16" / 37	•
XT30BS	T30	3/8"	1-3/8" / 34	•
XT40BS	T40	3/8"	1-3/8" / 34	•
XT45BS	T45	3/8"	1-3/8" / 34	•
XT47BS	T47	3/8"	1-3/8" / 34	•
XT50BS	T50	3/8"	1-3/8" / 34	•
XT55BS	T55	3/8"	1-3/8" / 34	•
VT60BS	T60	1/2"	1-13/16" / 46	•

PRODUCT #	TORX® Size	DRIVE SIZE	OVERALL LENGTH In. / MM	SET
SMXVHT50B	50-PC. St	tar Driver S	et	
MT8BHS	T8H	1/4"	1-7/16" / 37	•
MT10BHS	T10H	1/4"	1-7/16" / 37	•
MT15BHS	T15H	1/4"	1-7/16" / 37	•
MT20BHS	T20H	1/4"	1-7/16" / 37	•
MT25BHS	T25H	1/4"	1-7/16" / 37	•
MT27BHS	T27H	1/4"	1-7/16" / 37	•
XT30BHS	T30H	3/8"	1-7/8" / 48	•
XT40BHS	T40H	3/8"	1-7/8" / 48	•
XT45BHS	T45H	3/8"	1-7/8" / 48	•
XT47BHS	T47H	3/8"	1-7/8" / 48	•
XT50BHS	T50H	3/8"	1-7/8" / 48	•
XT55BHS	T55H	3/8"	1-7/8" / 48	•
XH86B	1/4"	3/8"	2-3/4" / 70	•
XH46B	1/8"	3/8"	2-3/4" / 70	•
XH56B	5/32"	3/8"	2-3/4" / 70	•
XH66B	3/16"	3/8"	2-3/4" / 70	•
ХН76В	7/32"	3/8"	2-3/4" / 70	•
XH106B	5/16"	3/8"	2-3/4" / 70	•
XH126B	3/8"	3/8"	2-3/4" / 70	•
XH4MMB	4mm	3/8"	2-3/4" / 70	•
XH5MMB	5mm	3/8"	2-3/4" / 70	•
XH6MMB	6mm	3/8"	2-3/4" / 70	•
хн7ММВ	7mm	3/8"	2-3/4" / 70	•
XH8MMB	8mm	3/8"	2-3/4" / 70	•
хнэммв	9mm	3/8"	2-3/4" / 70	•
XH10MMB	10mm	3/8"	2-3/4" / 70	•

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH	OVERALL LENGTH (MM)	SET
SMXT25B	25-PC. St	ar Driver S	et		
MT8BS	T8	1/4"	1-1/32	26	•
MT8BHS	T8H	1/4"	1-29/64	37	•
MT10BS	T10	1/4"	1-1/32	26	•
MT10BHS	T10H	1/4"	1-29/64	37	•
MT15BS	T15	1/4"	1-1/32	26	•
MT15BHS	T15H	1/4"	1-29/64	37	•
MT20BS	T20	1/4"	1-1/32	26	•
MT20BHS	T20H	1/4"	1-29/64	37	•
MT25BS	T25	1/4"	1-1/32	26	•
MT25BHS	T25H	1/4"	1-29/64	37	•
MT27BS	T27	1/4"	1-29/64	37	•
MT27BHS	T27H	1/4"	1-29/64	37	•
VT60BS	T60	1/2"	1-13/16	46	•
XT30BS	T30	3/8"	1-11/32	34	•
XT30BHS	T30H	3/8"	1-57/64	48	•
XT40BS	T40	3/8"	1-11/32	34	•
XT40BHS	T40H	3/8"	1-57/64	48	•
XT45BS	T45	3/8"	1-11/32	34	•
XT45BHS	T45H	3/8"	1-57/64	48	•
XT47BS	T47	3/8"	1-11/32	34	•
XT47BHS	T47H	3/8"	1-57/64	48	•
XT50BS	T50	3/8"	1-11/32	34	•
XT50BHS	T50H	3/8"	1-57/64	48	•
XT55BS	T55	3/8"	1-11/32	34	•
XT55BHS	T55H	3/8"	1-57/64	48	•

SMXT25B

MASTER STAR DRIVER SET

• High-strength steel for durability







SXMTS9B

9-PC. 3/8" DRIVE METRIC TRIPLE-SQUARE DRIVER SET

		75 76 6 6 6 6	A STATE OF THE REST	
PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SXMTS9B	9-PC. Me	tric Triple S	quare Driver Set	
XTS4MM	4	3/8"	1-9/16" / 39.7	•
XTS5MM	5	3/8"	1-9/16" / 39.7	•
XTS6MM	6	3/8"	1-9/16" / 39.7	•
XTS8MM	8	3/8"	1-9/16" / 39.7	•
XTS10MM	10	3/8"	1-9/16" / 39.7	•
XTS12MM	12	3/8"	1-9/16" / 39.7	•
XTS13MM	13	3/8"	1-9/16" / 39.7	•
XTS14MM	14	3/8"	1-9/16" / 39.7	•
XTS16MM	16	3/8"	1-9/16" / 39.7	•



SXMTSH8B

8-PC. TAMPER-RESISTANT TRIPLE SQUARE DRIVER SET

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SXMTSH8B	8-PC. Tan	ıper Resistaı	nt Triple-Square Drive	r Set
XTSH4MM	4	3/8"	1-9/16" / 39.7	•
XTSH5MM	5	3/8"	1-9/16" / 39.7	•
хтѕн6мм	6	3/8"	1-9/16" / 39.7	•
хтѕн8мм	8	3/8"	1-9/16" / 39.7	•
XTSH10MM	10	3/8"	1-9/16" / 39.7	•
XTSH12MM	12	3/8"	1-9/16" / 39.7	•
XTSH14MM	14	3/8"	1-9/16" / 39.7	•
XTSH16MM	16	3/8"	1-9/16" / 39.7	•



SXMTSP8PT

8-PC. 3/8" DRIVE IMPACT TRIPLE-SQUARE DRIVER SET

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SXMTSP8PT	8-PC. 3/8	" Drive Impa	ct Triple-Square Drive	r Set
XTSP5MM	5	3/8"	1-1/8" / 28	•
XTSP6MM	6	3/8"	1-1/8" / 28	•
XTSP8MM	8	3/8"	1-1/8" / 28	•
XTSP10MM	10	3/8"	1-1/8" / 28	•
XTSP12MM	12	3/8"	1-1/8" / 28	•
XTSP13MM	13	3/8"	1-1/8" / 28	•
XTSP14MM	14	3/8"	1-1/8" / 28	•
XTSP16MM	16	3/8"	1-1/8" / 28	•

DRIVER SETS TORX® AND TRIPLE SQUARE DRIVER SETS



STPMXVE11B 11-PC. INVERTED STAR PLUS **IMPACT SOCKET SET**

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	
STPMXVE11B	11-PC. In	verted Star	Plus Impact Socket Se	et
MTPE6S	E6	1/4"	1" / 25.4	•
MTPE7S	E6	1/4"	1" / 25.4	•
MTPE8S	E8	1/4"	1" / 25.4	•
MTPE10S	E10	1/4"	1" / 25.4	•
XTPE12S	E12	3/8"	1-1/4" / 32	•
XTPE14S	E14	3/8"	1-1/4" / 32	•
XTPE16S	E16	3/8"	1-1/4" / 32	•
XTPE18S	E18	3/8"	1-1/4" / 32	•
VTPE20S	E20	1/2"	1-1/2" / 48	•
VTPE22S	E22	1/2"	1-1/2" / 48	•
VTPE24S	E24	1/2"	1-1/2" / 48	•



SMXVE13B 13-PC. EXTERNAL STAR SOCKET SET

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	
SMXVE13B	13-PC. Ex	ternal Star	Socket Set	
ME4S	E4	1/4"	1" / 25.4	•
ME5S	E5	1/4"	1" / 25.4	•
MEGS	E6	1/4"	1" / 25.4	•
ME7S	E7	1/4"	1" / 25.4	•
ME8S	E8	1/4"	1" / 25.4	•
XE10S	E10	3/8"	1-1/8" / 28.6	•
XE12S	E12	3/8"	1-1/8" / 28.6	•
XE14S	E14	3/8"	1-1/8" / 28.6	•
XE16S	E16	3/8"	1-1/8" / 28.6	•
VE18S	E18	1/2"	1-1/8" / 28.6	•
VE2OS	E20	1/2"	1-1/8" / 28.6	•
VE22S	E22	1/2"	1-1/8" / 28.6	•
VE24S	E24	1/2"	1-1/8" / 28.6	•



8-PC. LONG IMPACT TRIPLE-SQUARE DRIVER SET

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	
SXMTSPL8PT	8-PC. Lon	g Impact Tri	ple-Square Driver Set	
XTSPL5MM	5	3/8"	4" / 100	•
XTSPL6MM	6	3/8"	4" / 100	•
XTSPL8MM	8	3/8"	4" / 100	•
XTSPL10MM	10	3/8"	4" / 100	•
XTSPL12MM	12	3/8"	4" / 100	•
XTSPL13MM	13	3/8"	4" / 100	•
XTSPL14MM	14	3/8"	4" / 100	•
XTSPL16MM	16	3/8"	4" / 100	•

SXVMTSL8B LONG METRIC TRIPLE **SQUARE BITS AND SET**

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SXVMTSL8B	8-PC. Lon	g Metric Tri	ple Square Bit Set	
XTSL4MM	4	3/8"	5" / 127	•
XTSL5MM	5	3/8"	5" / 127	•
XTSL6MM	6	3/8"	5" / 127	•
XTSL8MM	8	3/8"	5" / 127	•
XTSL10MM	10	3/8"	5" / 127	•
VTSL12MM	12	1/2"	5" / 127	•
VTSL14MM	14	1/2"	5" / 127	•
VTSL16MM	16	1/2"	5" / 127	•



UNIVERSAL 5-PT. STAR TAMPER-RESISTANT DRIVER SET DRIVERS AND SET

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET		
SMXUTSH11B		11-PC. Universal 5-PT. Star Tamper-Resistant Driver Set				
MUTS10H	TS10H	1/4"	2-1/16" / 52.4	•		
MUTS15H	TS15H	1/4"	2-1/16" / 52.4	•		
MUTS20H	TS20H	1/4"	2-1/16" / 52.4	•		
MUTS25H	TS25H	1/4"	2-1/16" / 52.4	•		
MUTS27H	TS27H	1/4"	2-1/16" / 52.4	•		
MUTS30H	TS30H	1/4"	2-1/16" / 52.4	•		
MUTS8H	TS8H	1/4"	2-1/16" / 52.4	•		
XUTS40H	TS40H	3/8"	2-1/16" / 52.4	•		
XUTS45H	TS45H	3/8"	2-1/16" / 52.4	•		
XUTS50H	TS50H	3/8"	2-1/16" / 52.4	•		
XUTS55H	TS55H	3/8"	2-1/16" / 52.4	•		



UNIVERSAL INVERTED STAR

PRODUCT #	SIZE	DRIVE Size	OVERALL LENGTH IN. / MM	SET
SXUE9B	9-PC. Uni	versal Inver	ted Star Driver Set	
XUE4S	E4	3/8"	2-1/16" / 52.4	•
XUE5S	E5	3/8"	2-1/16" / 52.4	•
XUEGS	E6	3/8"	2-1/16" / 52.4	•
XUE7S	E7	3/8"	2-1/16" / 52.4	•
XUE8S	E8	3/8"	2-1/16" / 52.4	•
XUE10S	E10	3/8"	2-1/16" / 52.4	•
XUE12S	E12	3/8"	2-1/16" / 52.4	•
XUE14S	E14	3/8"	2-1/16" / 52.4	•
XUE16S	E16	3/8"	2-1/16" / 52.4	•



SMXUT11HB **UNIVERSAL TAMPER-RESISTANT** STAR BIT DRIVERS AND SET

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PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SMXUT11HB	11-PC. Un	iversal Tamp	er-Resistant Star Drive	r Set
мит8н	T8H	1/4"	2-1/16" / 52.4	•
MUT10H	T10H	1/4"	2-1/16" / 52.4	•
MUT15H	T15H	1/4"	2-1/16" / 52.4	•
MUT20H	T20H	1/4"	2-1/16" / 52.4	•
MUT25H	T25H	1/4"	2-1/16" / 52.4	•
MUT27H	T27H	1/4"	2-1/16" / 52.4	•
МИТЗОН	T30H	1/4"	2-1/16" / 52.4	•
XUT40H	T40H	3/8"	2-1/16" / 52.4	•
XUT45H	T45H	3/8"	2-1/16" / 52.4	•
XUT50H	T50H	3/8"	2-1/16" / 52.4	•
XUT55H	T55H	3/8"	2-1/16" / 52.4	•



SXVMUTS8B **UNIVERSAL TRIPLE-SQUARE DRIVERS AND SET**

	PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
	SXVMUTS8B	8-PC. Uni	versal Triple	Square Driver Set	
	XUTS4MM	4	3/8"	2-5/8" / 66.7	•
	XUTS5MM	5	3/8"	2-5/8" / 66.7	•
	XUTS6MM	6	3/8"	2-5/8" / 66.7	•
	XUTS8MM	8	3/8"	2-5/8" / 66.7	•
	XUTS10MM	10	3/8"	2-5/8" / 66.7	•
	VUTS12MM	12	1/2"	3" / 76.2	•
Ì	VUTS14MM	14	1/2"	3" / 76.2	•
ĺ	VUTS16MM	16	1/2"	3" / 76.2	•



13-PC MID-LENGTH STAR DRIVER SET

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SMLT13PT	13-PC. N	lid length S	Star Driver Set	
MTML8	T8	1/4"	2-3/4" / 70	•
MTML10	T10	1/4"	2-3/4" / 70	•
MTML15	T15	1/4"	2-3/4" / 70	•
MTML20	T20	1/4"	2-3/4" / 70	•
MTML25	T25	1/4"	2-3/4" / 70	•
XTML27	T27	3/8"	2-3/4" / 70	•
XTML30	T30	3/8"	2-3/4" / 70	•
XTML40	T40	3/8"	2-3/4" / 70	•
XTML45	T45	3/8"	2-3/4" / 70	•
XTML47	T47	3/8"	2-3/4" / 70	•
XTML50	T50	3/8"	2-3/4" / 70	•
XTML55	T55	3/8"	2-3/4" / 70	•
VTML60	T60	3/8"	2-3/4" / 70	•

DRIVER SETS



SMXT62B

STAR DRIVERS, WRENCHES, **AND SOCKETS SET**

- For use on a wide range of Star fasteners
- Applications include internal (standard and Tamper-Resistant) and external Star fasteners
 Bits made of S2 steel for durability
 Socket drivers and wrenches feature a high-polish
- chrome finish for long lasting corrosion protection
- Packaged in blow-molded tray for easy storage and organization

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SMXT62B	62-PC. S	tar Driver a	and Wrench Set	
BE68	E6 x E	8	4-7/16" / 112.7	•
BE1012	E10 x E	12	5-1/2" / 139.7	•
BE1418	E14 x E	18	7-1/8" / 181	•
MT6BS	T6	1/4"	1-7/16" / 36.5	•
MT8BS	T8	1/4"	1-7/16" / 36.5	•
MT10BS	T10	1/4"	1-7/16" / 36.5	•
MT15BS	T15	1/4"	1-7/16" / 36.5	•
MT20BS	T20	1/4"	1-7/16" / 36.5	•
MT25BS	T25	1/4"	1-7/16" / 36.5	•
MT27BS	T27	1/4"	1-7/16" / 36.5	•
MT30BS	T30	1/4"	1-7/16" / 36.5	•
XT40BS	T40	3/8"	1-7/8" / 47.6	•
XT45BS	T45	3/8"	1-7/8" / 47.6	•
XT47BS	T47	3/8"	1-7/8" / 47.6	•
XT50BS	T50	3/8"	1-7/8" / 47.6	•
VT55BS	T55	1/2"	2-3/16" / 55.6	•
VT60BS	T60	1/2"	2-3/16" / 55.6	•

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SMXT62B	62-PC. S	tar Driver	and Wrench Set	
ткт6	T6	-	1-3/4" / 44.5	•
ТКТ8	T8	-	2" / 50.8	•
ткт9	Т9	-	2" / 50.8	•
TKT10	T10	-	2-1/8" / 54	•
TKT15	T15	-	2-5/16" / 58.7	•
TKT20	T20	-	2-7/16" / 61.9	•
TKT25	T25	-	2-5/8" / 66.7	•
TKT27	T27	-	2-11/16" / 68.3	•
ТКТ30	T30	-	3" / 76.2	•
TKT40	T40	-	3-5/16" / 84.1	•
TKT45	T45	-	3-9/16" / 90.5	•
TKT50	T50	-	4-1/8" / 104.8	•
TKT55	T55	-	4-5/8" / 117.5	•
ME4S	E4	1/4"	1" / 25.4	•
ME5S	E5	1/4"	1" / 25.4	•
MEGS	E6	1/4"	1" / 25.4	•
ME7S	E7	1/4"	1" / 25.4	•
ME8S	E8	1/4"	1" / 25.4	•
XE10S	E10	3/8"	1-1/8" / 28.6	•
XE12S	E12	3/8"	1-1/8" / 28.6	•
XE14S	E14	3/8"	1-1/8" / 28.6	•
XE16S	E16	3/8"	1-1/8" / 28.6	•
VE18S	E18	1/2"	1-1/8" / 28.6	•
VE2OS	E20	1/2"	1-1/8" / 28.6	•

PRODUCT # SIZE. DRIVE			OVERALL LENGTH IN. / MM	SET
SMXT62B	62-PC. S	tar Driver a	and Wrench Set	
ВТРТХ6	T6	-	1" / 25.4	•
ВТРТХ7	T7	_	1" / 25.4	•
ВТРТХ8	T8	-	1" / 25.4	•
ВТРТХ9	T9	_	1" / 25.4	•
ВТРТХ10	T10	- /	1" / 25.4	•
ВТРТХ15	T15	-	1" / 25.4	•
ВТРТХ20	T20	-	1" / 25.4	•
ВТРТХ25	T25	-	1" / 25.4	•
ВТРТХ27	T27	-	1" / 25.4	•
ВТРТХ30	T30	-	1" / 25.4	•
ВТРТХ40	T40	-	1" / 25.4	•
MT10BHS	T10H	1/4"	1-7/16" / 36.5	•
MT15BHS	T15H	1/4"	1-7/16" / 36.5	•
MT20BHS	T20H	1/4"	1-7/16" / 36.5	•
MT25BHS	T25H	1/4"	1-7/16" / 36.5	•
MT27BHS	T27H	1/4"	1-7/16" / 36.5	•
MT30BHS	T30H	1/4"	1-7/16" / 36.5	•
XT40BHS	T40H	3/8"	1-7/8" / 47.6	•
XT45BHS	T45H	3/8"	1-7/8" / 47.6	•
XT50BHS	T50H	3/8"	1-7/8" / 47.6	•
VT55BHS	T55H	1/2"	2-3/16" / 55.6	•



HEX DRIVER SETS



HEX DRIVER SETS

- S2 bits for long lasting performance
- High-polish, chrome-plated sockets for corrosion resistance
- Packaged in blow-molded tray for easy storage and organization

PRODUCT#	HEX SIZE OVERALL LENGTH			SET	
SXA14B	14-PC. 3/8"	Drive SAE and Metri	с Нех	Driver	Set
SXA7PT	7-PC. 3/8" D	rive SAE Hex Driver	Set		
SXMA7PT	7-PC. 3/8" Di	rive Metric Hex Drive	r Set		
XH46B	1/8"	2-3/4" / 69.9		•	•
XH56B	5/32"	2-3/4" / 69.9		•	•
хнеев	3/16"	2-3/4" / 69.9		•	•
XH76B	7/32"	2-3/4" / 69.9		•	•
XH86B	1/4"	2-3/4" / 69.9		•	•
XH106B	5/16"	2-3/4" / 69.9		•	•
XH126B	3/8"	2-3/4" / 69.9		•	•
хн4ммв	4mm	2-3/4" / 69.9	•		•
хн5ммв	5mm	2-3/4" / 69.9	•		•
хнеммв	6mm	2-3/4" / 69.9	•		•
хн7ММВ	7mm	2-3/4" / 69.9	•		•
хняммв	8mm	2-3/4" / 69.9	•		•
хнэммв	9mm	2-3/4" / 69.9	•		•
XH10MMB	10mm	2-3/4" / 69.9	•		•



SXMAS8PT

SHORT HEX DRIVER SET

• Packaged in blow-molded tray for easy storage and organization

	PRODUCT #	HEX SIZE	OVERALL LENGTH In. / MM	SI	ΞŢ
	SXAS7PT	7-PC. 3/8" D	rive SAE Short Hex Driver	Set	
	SXMAS8PT	8-PC. 3/8" Di	rive Metric Short Hex Drive	r Set	
	XH46BS	1/8"	1-13/16" / 46		•
	XH56BS	5/32"	1-13/16" / 46		•
	XH66BS	3/16"	1-13/16" / 46		•
	XH76BS	7/32"	1-13/16" / 46		•
	XH86BS	1/4"	1-13/16" / 46		•
	XH106BS	5/16"	1-13/16" / 46		•
	XH126BS	3/8"	1-13/16" / 46		•
ď	XH4MMBS	4mm	1-13/16" / 46	•	
	XH5MMBS	5mm	1-13/16" / 46	•	
	XH6MMBS	6mm	1-13/16" / 46	•	
	XH7MINBS	7mm	1-13/16" / 46	•	
	XH8MMBS	8mm	1-13/16" / 46	•	
	XH9MMBS	9mm	1-13/16" / 46	•	
	XH10MMBS	10mm	1-13/16" / 46	•	
	XH11MMBS	11mm	1-13/16" / 46	•	

DRIVER SETS HEX DRIVER SETS



STUBBY HEX DRIVERS AND SET

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SXASS16PT	16-PC. S	tubby Hex	Driver Set	
MH4BSS	1/8"	1/4"	1" / 25.4	•
MH4.5BSS	9/64"	1/4"	1" / 25.4	•
MH5BSS	5/32"	1/4"	1" / 25.4	•
MH6BSS	3/16"	1/4"	1" / 25.4	•
XH76BSS	7/32"	3/8"	1-3/8" / 35	•
XH86BSS	1/4"	3/8"	1-3/8" / 35	•
XH106BSS	5/16"	3/8"	1-3/8" / 35	•
XH126BSS	3/8"	3/8"	1-3/8" / 35	•
MH3MMBSS	3	1/4"	1" / 25.4	•
MH4MMBSS	4	1/4"	1" / 25.4	•
MH5MMBSS	5	1/4"	1" / 25.4	•
MH6MMBSS	6	1/4"	1" / 25.4	•
XH7MMBSS	7	3/8"	1-3/8" / 35	•
XH8MMBSS	8	3/8"	1-3/8" / 35	•
XH9MMBSS	9	3/8"	1-3/8" / 35	•
XH10MMBSS	10	3/8"	1-3/8" / 35	•



SAE AND METRIC 3/8" SHORT HEX DRIVERS AND SETS

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SXAS7T	7-PC. SA	E Short He	x Driver Set	
X46DS	1/8"	3/8"	1-13/16" / 46	•
X56DS	5/32"	3/8"	1-13/16" / 46	•
X66DS	3/16"	3/8"	1-13/16" / 46	•
X76DS	7/32"	3/8"	1-13/16" / 46	•
X86DS	1/4"	3/8"	1-13/16" / 46	•
X106DS	5/16"	3/8"	1-13/16" / 46	•
X126DS	3/8"	3/8"	1-13/16" / 46	•
XT30		Meta	al Tray	•

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SXMAS7T	7-PC. Me	etric Short	Hex Driver Set	
XDS4MM	4	3/8"	1-3/4" / 44.5	•
XDS5MM	5	3/8"	1-3/4" / 44.5	•
XDS6MM	6	3/8"	1-3/4" / 44.5	•
XDS7MM	7	3/8"	1-3/4" / 44.5	•
XDS8MM	8	3/8"	1-3/4" / 44.5	•
XDS9MM	9	3/8"	1-3/4" / 44.5	•
XDS10MM	10	3/8"	1-3/4" / 44.5	•
XT30		Meta	al Tray	•



SAE AND METRIC 3/8" HEX DRIVERS AND SETS

		DRIVE	OVERALL LENGTH			
PRODUCT #	SIZE.	SIZE	IN. / MM	SET		
SXA7T	7-PC. SA	7-PC. SAE Hex Driver Set				
X46D	1/8"	3/8"	2-11/16" / 68.3	•		
X56D	5/32"	3/8"	2-11/16" / 68.3	•		
X66D	3/16"	3/8"	2-11/16" / 68.3	•		
X76D	7/32"	3/8"	2-11/16" / 68.3	•		
X86D	1/4"	3/8"	2-11/16" / 68.3	•		
X106D	5/16"	3/8"	2-11/16" / 68.3	•		
X126D	3/8"	3/8"	2-11/16" / 68.3	•		
хтз4ү		Metal Tray				

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH In. / MM	SET		
SXMA7T	7-PC. Me	etric Hex D	river Set			
XD4MM	4	3/8"	2-3/4" / 69.9	•		
XD5MM	5	3/8"	2-3/4" / 69.9	•		
XD6MM	6	3/8"	2-3/4" / 69.9	•		
XD7MM	7	3/8"	2-3/4" / 69.9	•		
XD8MM	8	3/8"	2-3/4" / 69.9	•		
XD9MM	9	3/8"	2-3/4" / 69.9	•		
XD10MM	10	3/8"	2-3/4" / 69.9	•		
хтз4ү		Metal Tray				



SAE AND METRIC 1/2" HEX DRIVERS AND SETS

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET			
SVH7PTA	7-PC. SA	7-PC. SAE Hex Driver Set					
VH10BS	5/16"	1/2"	3-1/4" / 82.6	•			
VH12BS	3/8"	1/2"	3-1/4" / 82.6	•			
VH14BS	7/16"	1/2"	3-1/4" / 82.6	•			
VH16BS	1/2"	1/2"	3-5/8" / 92	•			
VH18BS	9/16"	1/2"	3-5/8" / 92	•			
VH20BS	5/8"	1/2"	4" / 101.6	•			
VH24BS	3/4"	1/2"	4" / 101.6	•			

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SVHM10PT	10-PC. N	letric Hex	Driver Set	
VH6MMBS	6	1/2"	3-1/4" / 82.6	•
VH8MMBS	8	1/2"	3-1/4" / 82.6	•
VH10MMBS	10	1/2"	3-1/4" / 82.6	•
VH12MMBS	12	1/2"	3-1/4" / 82.6	•
VH13MMBS	13	1/2"	3-5/8" / 92	•
VH14MMBS	14	1/2"	3-5/8" / 92	•
VH15MMBS	15	1/2"	3-5/8" / 92	•
VH17MMBS	17	1/2"	4" / 101.6	
VH18MMBS	18	1/2"	4" / 101.6	
VH19MMBS	19	1/2"	4" / 101.6	



SAE AND METRIC 1/4" HEX DRIVERS AND SET

				_
PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH In. / MM	SET
SMH17PT	17-PC. N	letric Hex	Driver Set	
MH2BS	1/16"	1/4"	1-7/8" / 47.6	•
MH2.5BS	5/64"	1/4"	1-7/8" / 47.6	•
MH3BS	3/32"	1/4"	1-7/8" / 47.6	•
MH3.5BS	7/64"	1/4"	1-7/8" / 47.6	•
MH4BS	1/8"	1/4"	1-7/8" / 47.6	•
MH4.5BS	9/64"	1/4"	1-7/8" / 47.6	•
MH5BS	5/32"	1/4"	1-7/8" / 47.6	•
MH6BS	3/16"	1/4"	1-7/8" / 47.6	•
MH7BS	7/32"	1/4"	1-7/8" / 47.6	•
MH8BS	1/4"	1/4"	1-7/8" / 47.6	•
MH1.5MMBS	1.5	1/4"	1-7/8" / 47.6	•
MH2MMBS	2	1/4"	1-7/8" / 47.6	•
MH2.5MMBS	2.5	1/4"	1-7/8" / 47.6	•
мнзммвѕ	3	1/4"	1-7/8" / 47.6	•
MH4MMBS	4	1/4"	1-7/8" / 47.6	•
MH5MMBS	5	1/4"	1-7/8" / 47.6	•
MH6MMBS	6	1/4"	1-7/8" / 47.6	•



15-PC. 3/8" DRIVE **IMPACT HEX DRIVER SET**

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH	SET
SXAP15B			npact Hex Driver Set	011
ХНР4ММВ	4mm	3/8"	2-3/8" / 60	•
ХНР5ММВ	5mm	3/8"	2-3/8" / 60	•
хнреммв	6mm	3/8"	2-3/8" / 60	•
ХНР7ММВ	7mm	3/8"	2-3/8" / 60	•
хнр8ммв	8mm	3/8"	2-3/8" / 60	•
XHP10MMB	10mm	3/8"	2-3/8" / 60	•
ХНР11ММВ	11mm	3/8"	2-3/8" / 60	•
XHP12MMB	12mm	3/8"	2-3/8" / 60	•
ХНР66В	3/16"	3/8"	2-3/8" / 60	•
XHP76B	7/32"	3/8"	2-3/8" / 60	•
XHP86B	1/4"	3/8"	2-3/8" / 60	•
XHP106B	5/16"	3/8"	2-3/8" / 60	•
XHP126B	3/8"	3/8"	2-3/8" / 60	•
XHP146B	7/16"	3/8"	2-3/8" / 60	•
XHP166B	1/2"	3/8"	2-3/8" / 60	•



SXALB7PT SAE LONG SPEED HEX DRIVERS AND SET

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SXALB7PT	7-PC. 3/8	3" Drive SA	E Long Speed Hex Driv	er Set
XH46BL	1/8"	3/8"	6-1/8" / 155.6	•
XH56BL	5/32"	3/8"	6-1/8" / 155.6	•
XH66BL	3/16"	3/8"	6-1/8" / 155.6	•
XH76BL	7/32"	3/8"	6-1/8" / 155.6	•
XH86BL	1/4"	3/8"	6-1/8" / 155.6	•
XH106BL	5/16"	3/8"	6-1/8" / 155.6	•
XH126BL	3/8"	3/8"	6-1/8" / 155.6	•



7-PC. 3/8" DRIVE LONG SAE HEX DRIVER SET

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SXAL7PTA	7-PC. 3/8	3" Drive SA	E Long Speed Hex Driv	er Set
XH46L	1/8"	3/8"	6-1/8" / 155.6	•
XH56L	5/32"	3/8"	6-1/8" / 155.6	•
XH66L	3/16"	3/8"	6-1/8" / 155.6	•
XH76L	7/32"	3/8"	6-1/8" / 155.6	•
XH86L	1/4"	3/8"	6-1/8" / 155.6	•
XH106L	5/16"	3/8"	6-1/8" / 155.6	•
XH126L	3/8"	3/8"	6-1/8" / 155.6	•



SXMAL8PTA 8-PC. 3/8" DRIVE LONG METRIC HEX DRIVER SET

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SXMAL8PTA	8-PC. 3/8	" Drive Me	tric Long Speed Hex Dri	ver Set
хнзммг	3	3/8"	6-1/8" / 155.6	•
XH4MML	4	3/8"	6-1/8" / 155.6	•
XH5MML	5	3/8"	6-1/8" / 155.6	•
хнеммг	6	3/8"	6-1/8" / 155.6	•
XH7MML	7	3/8"	6-1/8" / 155.6	•
хнвимг	8	3/8"	6-1/8" / 155.6	•
хнэммг	9	3/8"	6-1/8" / 155.6	•
XH10MML	10	3/8"	6-1/8" / 155.6	•



SXMALB8PT **METRIC LONG SPEED HEX DRIVERS AND SET**

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SXMALB8PT	8-PC. 3/8	" Drive Me	tric Long Speed Hex Dri	ver Set
XH3MMBL	3	3/8"	6-1/8" / 155.6	•
XH4MMBL	4	3/8"	6-1/8" / 155.6	•
XH5MMBL	5	3/8"	6-1/8" / 155.6	•
XH6MMBL	6	3/8"	6-1/8" / 155.6	•
XH7MMBL	7	3/8"	6-1/8" / 155.6	•
XH8MMBL	8	3/8"	6-1/8" / 155.6	•
XH9MMBL	9	3/8"	6-1/8" / 155.6	•
XH10MMBL	10	3/8"	6-1/8" / 155.6	•

DRIVER SETS BIT AND DRIVER SETS





1/2" DRIVE TORX® DRIVER

PRODUCT #	HEX SIZE	OVERALL LENGTH IN. / MM	
T60	12	2-1/2" / 63.5	



T70V 1/2" DRIVE TORX® DRIVER

- Designed for brake retaining bolts and torque converter drain plugs
- S2 Industrial strength bits

53-PC. MASTER HEX DRIVER SET

- · Bits made of S2 steel for long lasting durability
- Drive ends feature high-polish, chrome-plated finish for easy clean-up and corrosion protection

1/4" DRIVE

., . —	1 - 1 - 1 - Dyn		
PRODUCT #	DRIVER STYLE	OVERALL LENGTH IN. / MM	SET
SMXH53B	53-PC. Stubby H	ex Driver Set	
MH4BSS	1/8" Stubby	1" / 25.4	•
MH4.5BSS	9/64" Stubby	1" / 25.4	•
MH5BSS	5/32" Stubby	1" / 25.4	•
MH6BSS	3/16" Stubby	1" / 25.4	•
MH3MMBSS	3mm Stubby	1" / 25.4	•
MH4MMBSS	4mm Stubby	1" / 25.4	•
MH5MMBSS	5mm Stubby	1" / 25.4	•
MH6MMBSS	6mm Stubby	1" / 25.4	•
MH2BS	1/16"	1-7/8" / 47.6	•
MH2.5BS	5/64"	1-7/8" / 47.6	•
MH3BS	3/32"	1-7/8" / 47.6	•
MH3.5BS	7/64"	1-7/8" / 47.6	•
MH1.5MMBS	1.5mm	1-7/8" / 47.6	•
MH2MMBS	2mm	1-7/8" / 47.6	•
MH2.5MMBS	2.5mm	1-7/8" / 47.6	•
MH3MMBS	3mm	1-7/8" / 47.6	•

3/8" DRIVE

PRODUCT #	DRIVER STYLE	OVERALL LENGTH IN. / MM	SET
SMXH53B	53-PC. Stubby Hex	Driver Set	
XH76BSS	7/32" Stubby	1-3/8" / 35	•
XH86BSS	1/4" Stubby	1-3/8" / 35	•
XH106BSS	5/16" Stubby	1-3/8" / 35	•
XH126BSS	3/8" Stubby	1-3/8" / 35	•
XH7MMBSS	7mm Stubby	1-3/8" / 35	•
XH8MMBSS	8mm Stubby	1-3/8" / 35	•
XH9MMBSS	9mm Stubby	1-3/8" / 35	•
XH10MMBSS	10mm Stubby	1-3/8" / 35	•
XB46D	1/8" Speed	2-3/4" / 69.9	•
XB56D	5/32" Speed	2-3/4" / 69.9	•
XB66D	3/16" Speed	2-3/4" / 69.9	•
XB76D	7/32" Speed	2-3/4" / 69.9	•
XB86D	1/4" Speed	2-3/4" / 69.9	•
XB106D	5/16" Speed	2-3/4" / 69.9	•
XB126D	3/8" Speed	2-3/4" / 69.9	•
XBD3MM	3mm Speed	2-3/4" / 69.9	•
XBD4MM 4mm Spee		2-3/4" / 69.9	•
XRD5MM 5mm Speed		2-3/4" / 69 9	•

3/8" DRIVE

PRODUCT #	DRIVER STYLE	OVERALL LENGTH IN. / MM	SET
SMXH53B	53-PC. Stubby Hex	Driver Set	
XBD6MM	6mm Speed	2-3/4" / 69.9	•
XBD7MM	7mm Speed	2-3/4" / 69.9	•
XBD8MM	8mm Speed	2-3/4" / 69.9	•
XBD9MM	9mm Speed	2-3/4" / 69.9	•
XBD10MM	10mm Speed	2-3/4" / 69.9	•
XH46B	1/8"	2-3/4" / 69.9	•
XH56B	5/32"	2-3/4" / 69.9	•
XH66B	3/16"	2-3/4" / 69.9	•
XH76B	7/32"	2-3/4" / 69.9	•
XH86B	1/4"	2-3/4" / 69.9	•
XH106B	5/16"	2-3/4" / 69.9	•
XH126B	3/8"	2-3/4" / 69.9	•
хн4ммв	4mm	2-3/4" / 69.9	•
XH5MMB	5mm	2-3/4" / 69.9	•
хнеммв	6mm	2-3/4" / 69.9	•
XH7MMB	7mm	2-3/4" / 69.9	•
хняммв	8mm	2-3/4" / 69.9	•
хнэммв	9mm	2-3/4" / 69.9	•
XH10MMB	10mm	2-3/4" / 69.9	•



SXH60B 60-PC. MASTER HEX DRIVER SET

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH	SET
SXH60B	60-PC. M	aster Hex Di	river Set	
мнзммвss	3mm	1/4"	1" / 25.4	•
MH4MMBSS	4mm	1/4"	1" / 25.4	•
MH5MMBSS	5mm	1/4"	1" / 25.4	•
MH6MMBSS	6mm	1/4"	1" / 25.4	•
XH7MMBSS	7mm	3/8"	1-3/8" / 35	•
XH8MMBSS	8mm	3/8"	1-3/8" / 35	•
XH9MMBSS	9mm	3/8"	1-3/8" / 35	•
XH10MMBSS	10mm	3/8"	1-3/8" / 35	•
MH4BSS	1/8"	1/4"	1" / 25.4	•
MH4.5BSS	9/64"	1/4"	1" / 25.4	•
MH5BSS	5/32"	1/4"	1" / 25.4	•
MH6BSS	3/16"	1/4"	1" / 25.4	•
XH76BSS	7/32"	3/8"	1-3/8" / 35	•
XH86BSS	1/4"	3/8"	1-3/8" / 35	•
XH106BSS	5/16"	3/8"	1-3/8" / 35	•
XH126BSS	3/8"	3/8"	1-3/8" / 35	•
XH4MMBS	4MM	3/8"	1-13/16" / 46	•
XH5MMBS	5MM	3/8"	1-13/16" / 46	•
XH6MMBS	6MM	3/8"	1-13/16" / 46	•
XH7MMBS	7MM	3/8"	1-13/16" / 46	•

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SXH60B	60-PC. M	aster Hex Di	river Set	
XH8MMBS	8MM	3/8"	1-13/16" / 46	•
XH9MMBS	9MM	3/8"	1-13/16" / 46	•
XH10MMBS	10MM	3/8"	1-13/16" / 46	•
XH11MMBS	11MM	3/8"	1-13/16" / 46	•
XH46BS	1/8"	3/8"	1-13/16" / 46	•
XH56BS	5/32"	3/8"	1-13/16" / 46	•
XH66BS	3/16"	3/8"	1-13/16" / 46	•
XH76BS	7/32"	3/8"	1-13/16" / 46	•
XH86BS	1/4"	3/8"	1-13/16" / 46	•
XH106BS	5/16"	3/8"	1-13/16" / 46	•
XH126BS	3/8"	3/8"	1-13/16" / 46	•
хн4ммв	4MM	3/8"	2-3/4" / 69.9	•
хн5ммв	5MM	3/8"	2-3/4" / 69.9	•
хнеммв	6MM	3/8"	2-3/4" / 69.9	•
ХН7ММВ	7MM	3/8"	2-3/4" / 69.9	•
хнаммв	8MM	3/8"	2-3/4" / 69.9	•
хнэммв	9MM	3/8"	2-3/4" / 69.9	•
XH10MMB	10MM	3/8"	2-3/4" / 69.9	•
XH46B	1/8"	3/8"	2-3/4" / 69.9	•
XH56B	5/32"	3/8"	2-3/4" / 69.9	•

-				
PRODUCT #	SIZE	DRIVE Size	OVERALL LENGTH IN. / MM	SET
SXH60B	60-PC. M	aster Hex D	river Set	
хн66В	3/16"	3/8"	2-3/4" / 69.9	•
XH76B	7/32"	3/8"	2-3/4" / 69.9	•
хн86В	1/4"	3/8"	2-3/4" / 69.9	•
XH106B	5/16"	3/8"	2-3/4" / 69.9	•
XH126B	3/8"	3/8"	2-3/4" / 69.9	•
XH3MML	3MM	3/8"	6-1/8" / 155.6	•
XH4MML	4MM	3/8"	6-1/8" / 155.6	•
XH5MML	5MM	3/8"	6-1/8" / 155.6	•
XH6MML	6MM	3/8"	6-1/8" / 155.6	•
XH7MML	7MM	3/8"	6-1/8" / 155.6	•
XH8MML	8MM	3/8"	6-1/8" / 155.6	•
XH9MML	9MM	3/8"	6-1/8" / 155.6	•
XH10MML	10MM	3/8"	6-1/8" / 155.6	•
XH46L	1/8"	3/8"	6-1/8" / 155.6	•
XH56L	5/32"	3/8"	6-1/8" / 155.6	•
XH66L	3/16"	3/8"	6-1/8" / 155.6	•
XH76L	7/32"	3/8"	6-1/8" / 155.6	•
XH86L	1/4"	3/8"	6-1/8" / 155.6	•
XH106L	5/16"	3/8"	6-1/8" / 155.6	•
XH126L	3/8"	3/8"	6-1/8" / 155.6	•

DRIVER SETS BIT AND DRIVER SETS



PRODUCT #	POINT Size	DRIVE Size	OVERALL LENGTH IN. / MM
482	#2	3/8"	2" / 50.8
483	#3	3/8"	2" / 50.8
M2SPD	#2	1/4"	1-3/16" / 30.2



3/8" DRIVE SAE **SLOTTED DRIVER**

PRODUCT #	TIP THICKNESS	TIP WIDTH	OVERALL LENGTH IN. / MM
X2SDA	3/50"	7/16"	1-7/8" / 47.6

WARNING: Should only be used with hand-operated handles and ratchets.



PRODUCT #	POINT SIZE	OVERALL LENGTH IN. / MM
832A	#2	2-5/8" / 66.7
833A	#3	2-5/8" / 66.7
834A	#4	2-5/8" / 66.7

WARNING: Should only be used with hand-operated handles and ratchets.



SAE AND METRIC SPEED HEX BITS AND SET

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH In. / MM	SET
SXAB15B	15-PC. S	AE and Me	tric Speed Hex Bit Set	
XB46D	1/8"	3/8"	2-3/4" / 69.9	•
XB56D	5/32"	3/8"	2-3/4" / 69.9	•
XB66D	3/16"	3/8"	2-3/4" / 69.9	•
XB76D	7/32"	3/8"	2-3/4" / 69.9	•
XB86D	1/4"	3/8"	2-3/4" / 69.9	•
XB106D	5/16"	3/8"	2-3/4" / 69.9	•
XB126D	3/8"	3/8"	2-3/4" / 69.9	•
XBD3MM	3	3/8"	2-3/4" / 69.9	•
XBD4MM	4	3/8"	2-3/4" / 69.9	•
XBD5MM	5	3/8"	2-3/4" / 69.9	•
XBD6MM	6	3/8"	2-3/4" / 69.9	•
XBD7MM	7	3/8"	2-3/4" / 69.9	•
XBD8MM	8	3/8"	2-3/4" / 69.9	•
XBD9MM	9	3/8"	2-3/4" / 69.9	•
XBD10MM	10	3/8"	2-3/4" / 69.9	



HEX IMPACT INSERT AND DRIVER SETS

PRODUCT #	SIZE	DRIVE SIZE	OVERALL LENGTH		SET	
SVA15B	15-PC. S	AE and Met	tric Hex Insert	and Dr	iver S	et
SVA7B	7-PC. SA	E Hex Inser	rt and Driver Se	t		
SVAM8B	8-PC. Me	etric Hex In	sert and Driver	Set		
AI10A	5/16"	1/2"	1-1/2" / 38		•	•
AI12A	3/8"	1/2"	1-1/2" / 38		•	•
AI14A	7/16"	1/2"	1-1/2" / 38		•	•
AI16A	1/2"	1/2"	1-1/2" / 38		•	•
AI18A	9/16"	1/2"	1-1/2" / 38		•	•
AI20A	5/8"	1/2"	1-1/2" / 38		•	•
AI24A	3/4"	1/2"	1-1/2" / 38		•	•
AI8MMA	8	1/2"	1-1/2" / 38	•		•
AI10MMA	10	1/2"	1-1/2" / 38	•		•
AI12MMA	12	1/2"	1-1/2" / 38	•		•
AI13MMA	13	1/2"	1-1/2" / 38	•		•
AI14MMA	14	1/2"	1-1/2" / 38	•		•
AI15MMA	15	1/2"	1-1/2" / 38	•		•
AI17MMA	17	1/2"	1-1/2" / 38	•		•
AI19MMA	19	1/2"	1-1/2" / 38	•		•
VP146DA		Socket Dr	river	•	•	•

SXVBR24B

24-PC. RIBE POWER BIT SET

- Ideal for use on late model VW®, Audi®, and Fiat®
 Applications include cylinder heads, headlights, and transmission fill plugs
 Bits are made of industrial strength S2 steel

INCLUDES:

3/8" and 1/2" Drive Adapters

PRODUCT #	SIZE.	DRIVE SIZE	OVERALL LENGTH	SET
SXVBR24B	24-PC. R	ibe Power	Bit Set	
BIT-RM4	M4	Ribe	1-3/16" / 30.2	•
BIT-RM5	M5	Ribe	1-3/16" / 30.2	•
BIT-RM6	M6	Ribe	1-3/16" / 30.2	•
BIT-RM7	M7	Ribe	1-3/16" / 30.2	•
BIT-RM8	M8	Ribe	1-3/16" / 30.2	•
BIT-RM9	M9	Ribe	1-3/16" / 30.2	•
BIT-RM10	M10	Ribe	1-3/16" / 30.2	•
BIT-RM11	M11	Ribe	1-3/16" / 30.2	•
BIT-RM12	M12	Ribe	1-3/16" / 30.2	•
BIT-RM13	M13	Ribe	1-3/16" / 30.2	•
BIT-RM14	M14	Ribe	1-3/16" / 30.2	•
BIT-RM4L	M4	Ribe	2-15/16" / 74.6	•
BIT-RM5L	M5	Ribe	2-15/16" / 74.6	•
BIT-RM6L	M6	Ribe	2-15/16" / 74.6	•
BIT-RM7L	M7	Ribe	2-15/16" / 74.6	•
BIT-RM8L	M8	Ribe	2-15/16" / 74.6	•
BIT-RM9L	M9	Ribe	2-15/16" / 74.6	•
BIT-RM10L	M10	Ribe	2-15/16" / 74.6	•
BIT-RM11L	M11	Ribe	2-15/16" / 74.6	•
BIT-RM12L	M12	Ribe	2-15/16" / 74.6	•
BIT-RM13L	M13	Ribe	2-15/16" / 74.6	•
BIT-RM14L	M14	Ribe	2-15/16" / 74.6	•
BIT-VRADAPT			1-7/16" / 36.5	•
BIT-XRADAPT			1-1/8" / 28.6	•



EXTENSIONS



The tools on this page have been PROUDLY MADE IN THE USA with global components.

S6EKLTQ6-PC. MULTI-DRIVE LOCKING EXTENSION SET

PRODUCT #	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SGEKLTQ	6-PC. Multi-		
M2EKLQ	1/4"	2" / 50.8	•
M6EKLQ	1/4"	6" / 152.4	•
X6EKLQ	3/8" 6" / 152.4		•
X12EKLQ	3/8"	12" / 304.8	•
V5EKLQ	1/2"	5" / 127	•
V10EKLQ	1/2"	10" / 254	•

SMXVEKM11PT 11-PC. MULTI-DRIVE MAGNETIC EXTENSION SET

PRODUCT #	DRIVE SIZE	OVERALL LENGTH In. / MM	SET
SMXVEKM11PT	11-PC. Mult	i-Drive Magnetic Extension	n Set
M2EKM	1/4"	2" / 50.8	•
M4EKM	1/4"	4" / 101.6	•
MGEKM	1/4"	6" / 152.4	•
M10EKM	1/4"	10" / 254	•
X2EKM	3/8"	2" / 50.8	•
ХЗЕКМ	3/8"	3" / 76.2	•
XGEKM	3/8"	6" / 152.4	•
X10EKM	3/8"	10" / 254	•
V3EKM	1/2"	3" / 76.2	•
V5EKM	1/2"	5" / 127	•
V10EKM	1/2"	10" / 254	•

S7EWPT 7-PC. MULTI-DRIVE WOBBLE EXTENSION SET

PRODUCT #	DRIVE Size	OVERALL LENGTH IN. / MM	SET			
S7EWPT	7-PC. Multi-	7-PC. Multi-Drive Wobble Extension Set				
M2EW	1/4"	1/4" 2" / 50.8				
M6EW	1/4"	6" / 152.4	•			
X3EW	3/8"	3" / 76.2	•			
XGEW	3/8" 6" / 152.4		•			
X12EW	3/8"	12" / 304.8	•			
V5EW	1/2"	5" / 127	•			
V10EW	1/2"	10" / 254	٠			

SP4EBP 4-PC. MULTI-DRIVE IMPACT EXTENSION SET

4-PC. Multi - 3/8"	Drive Impact Extension	n Set	
3/8"	01 / 70 0		
0, 0	3" / 76.2	Ball	•
3/8"	6" / 152.4	Pin	•
1/2"	3" / 76.2	Ball	•
1/2"	10" / 254	Ball	•
	1/2"	1/2" 3" / 76.2	1/2" 3" / 76.2 Ball

JING: Chrome sockets and attachments should only be used with hand-operated ha

SPECIALTY TOOLS









FINGER SOCKET DRIVER

- Allows access to tight areas while using 3/8" and 1/4" sockets
 Knurled aluminum body for positive grip

PRODUCT #	DESCRIPTION	SET
FD907-03	Finger Socket Driver	
FDMX102	3/8" Male to 1/4" Female	•
FDMX103	1/4" Male to 3/8" Female	•
FDX104	3/8" Male to 3/8" Female	•



4-PC. UNIVERSAL JOINT ADAPTER SET

• Includes SH4 magnetic socket rail

	Market Street		
PRODUCT #	DRIVE SIZE	OVERALL LENGTH IN. / MM	SET
SMXU4T	4-PC. Universal Ad	lapter Set	
M3U	1/4"	1-3/8" / 34.9	•
X3U	3/8"	1-3/4" / 44.5	•
XUP2BB	3/8" Impact	2" / 50.8	•
VUP2BA	1/2" Impact	2-1/2" / 63.5	•



6-PC. ADAPTER SET

• Includes SH4 magnetic socket rail

DRIVE SIZE OVERALL LENGTH IN. / MM		SET
6-PC. Adapter Set		
1/4"-3/8"	7/8" / 22.2	•
3/8"-1/4"	1" / 25.4	•
3/8"-1/2"	1-15/16" / 33.3	•
1/2"-3/8" Impact	1-7/16" / 36.5	•
1/2"-3/4" Impact	1-7/8" / 47.6	•
3/4"-1/2" Impact	1-15/16" / 33.3	•
	6-PC. Adapter Set 1/4"-3/8" 3/8"-1/4" 3/8"-1/2" 1/2"-3/8" Impact 1/2"-3/4" Impact	DRIVE SIZE 6-PC. Adapter Set 1/4"-3/8" 7/8" / 22.2 3/8"-1/4" 1" / 25.4 3/8"-1/2" 1-15/16" / 33.3 1/2"-3/8" Impact 1-7/16" / 36.5 1/2"-3/4" Impact 1-7/8" / 47.6



- Universal design allows access in tight areas
- Quick-release locking collar holds sockets firmly in place and allows for quick release when finished
- High-polish, chrome-plated finish provides long-lasting corrosion protection

PRODUCT #	DRIVE SIZE	SET
SMXVUL3PT	3-PC. Locking Universal Joint Set	
M3UL	1/4"	•
X3UL	3/8"	•
V3UL	1/2"	•

ACCESSORIES SOCKET STORAGE





TWIST LOCK SOCKET KITS

- 1/4-Turn locking storage solution
- Secures sockets in place

PRODUCT #	DESCRIPTION	LENGTH IN. / MM	SET
SRTLK13R	4-PC. 13" Magnetic Socket Ra	il Kit	
SRTL1314R	1/4" Twist Lock Socket Rail	13"	•
SRTL1338R	3/8" Twist Lock Socket Rail	13"	•
SRTL1312R	1/2" Twist Lock Socket Rail	13"	•
SRMK-ML	3-PC. Magnetic Socket Rail Mount Kit		•

PRODUCT #	DESCRIPTION	LENGTH In. / MM	SET
SRTLK18R	4-PC. 18" Magnetic Socket Ra	il Kit	
SRTL1314R	1/4" Twist Lock Socket Rail	18"	•
SRTL1838R	3/8" Twist Lock Socket Rail	18"	•
SRTL1812R	1/2" Twist Lock Socket Rail	18"	•
SRMK-ML	3-PC. Magnetic Socket Rail Mount Kit		•

MAGENTIC SOCKET RAILS

- 1/4-Turn locking storage solution
- Secures sockets in place

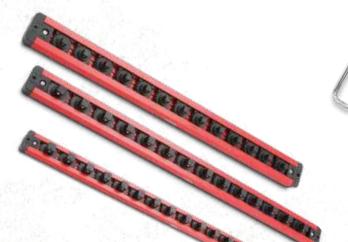
PRODUCT #	DESCRIPTION	LENGTH In. / MM
SRTLM1314R	1/4" Magnetic Socket Rail	13"
SRTLM1338R	3/8" Magnetic Socket Rail	13"
SRTLM1312R	1/2" Magnetic Socket Rail	13"

PRODUCT #	DESCRIPTION	LENGTH In. / MM
SRTLM1814R	1/4" Magnetic Socket Rail	18"
SRTLM1838R	3/8" Magnetic Socket Rail	18"
SRTLM1812R	1/2" Magnetic Socket Rail	18"

SRMK-ML

3-PC. SOCKET RAIL MOUNT KIT

- Securely holds up to four Twist Lock Socket Kits
- · Locking mechanism for secure storage
- Mounting holes line up with standard peg board spacing for easy installation



LOCK-A-SOCKETS

- · Snap-lock design, twist to lock or unlock
- Magnetic backing

PRODUCT #	DESCRIPTION
SHMLAS25	13-PC. 1/4" Drive Lock-A-Socket
SHMLAS38	14-PC. 3/8" Drive Lock-A-Socket
SHMLAS50	16-PC. 1/2" Drive Lock-A-Socket

LASTRAY **5-ROW LOCK-A-SOCKET TRAY**

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- To lock the socket, turn right 90°; to unlock, turn left 90
- Made of 16-gauge powder coated steel
- Rubber pegs are located underneath for surface protection and stability

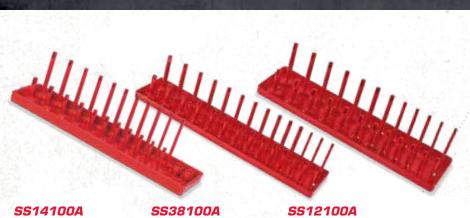


MAGNETIC TOOL ORGANIZATION PANELS

- High-energy magnets
- Place in the bottom of a drawer or mount it on a wall

PRODUCT #	SIZE
MTS12X6	12" x 6"
MTS6X12	6" x 12"
MTS12X12	12" x 12"

AGGESSORIES SOCKET STORAGE



SS14100A

1/4" DRIVE SAE QUICK FIND **SOCKET TRAY**

SS38100A

3/8" DRIVE SAE **QUICK FIND** SOCKET TRAY

SS12100A

1/2" DRIVE SAE **QUICK FIND SOCKET TRAY**

PRODUCT #	SOCKET SIZES	SOCKET CAPACITY	POST LENGTH SHORT / DEEP
SS14100A	1/8"-5/8"	22	11 / 11
SS38100A	1/4" to 1" (x16ths)	24	13 / 13
SS12100A	3/8"-1-1/8" (x16ths) plus 1-1/4"	28	14 / 14
SS14200A	4mm to 15mm	26	13 / 13
SS38200A	6mm to 20mm	30	15 / 15
SS12200A	10mm to 25mm plus 27mm	34	17 / 17



1/4" DRIVE METRIC **QUICK FIND SOCKET TRAY**

SS38200A

3/8" DRIVE METRIC **QUICK FIND** SOCKET TRAY

SS12200A

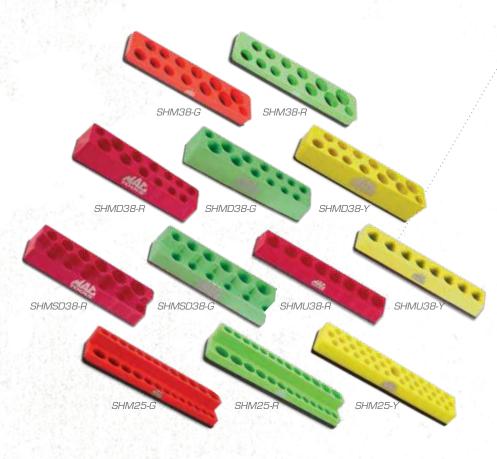
1/2" DRIVE METRIC **QUICK FIND SOCKET TRAY**



PRODUCT #	DRIVE SIZE	SOCKET CAPACITY	COLOR
SHML25-R	1/4"	26	Red
SHML25-B	1/4"	26	Black
SHML38-R	3/8"	28	Red

SOCKET HOLDERS

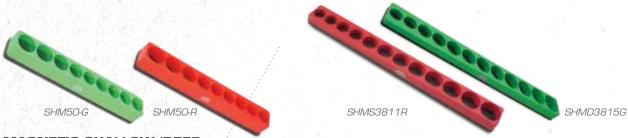
PRODUCT #	DRIVE SIZE	SOCKET Capacity
SH25	1/4"	16
SH38	3/8"	16
SH50	1/2"	16
SH34	3/4"	8



MAGNETIC SOCKET HOLDERS

- Strong magnetic base made of nitrile rubber securely holds the sockets in the organizer
- Easy to remove and replace sockets and find the right size fast

PRODUCT #	DESCRIPTION	COLOR
SHM38-R	3/8" Shallow	Red
SHM38-G	3/8" Shallow	Green
SHMD38-R	3/8" Deep	Red
SHMD38-G	3/8" Deep	Green
SHMD38-Y	3/8" Deep	Yellow
SHMSD38-R	3/8" Deep/Extra Deep	Red
SHMSD38-G	3/8" Deep/Extra Deep	Green
SHMU38-R	3/8" Universal	Red
SHMU38-Y	3/8" Universal	Yellow
SHM25-R	1/4" Deep and Shallow	Red
SHM25-G	1/4" Deep and Shallow	Green
SHM25-Y	1/4" Deep and Shallow	Yellow



MAGNETIC SHALLOW/DEEP SOCKET HOLDERS

• Holds nine sockets (deep or shallow)

PRODUCT #	DESCRIPTION	COLOR
SHM50-G	1/2" Drive Shallow/Deep	Green
SHM50-R	1/2" Drive Shallow/Deep	Red

STRAIGHT LINE SHALLOW SOCKET HOLDERS

• Holds up to twelve, 3/8" drive sockets

PRODUCT #	DESCRIPTION	COLOR
SHMS3811R	3/8" Drive Shallow	Red
SHMS3813Y	3/8" Drive Shallow	Yellow
SHMS3815G	3/8" Drive Shallow	Green
SHMD3811R	3/8" Drive Deep	Red
SHMD3815G	3/8" Drive Deep	Green
SHMD3813Y	3/8" Drive Deep	Yellow

1/4" DRIVE PRECISION TORQUE SOCKETS SETS



SM126BRPT **PRECISON TORQUE SAE SOCKET SET**

PRODUCT	T#	SIZE IN.	OVERALL LENGTH IN. / MM	SET
SM126BRPT 12-PC. 1/		1/4" Drive S	AE PT Socket Set	
	M46PT	1/8"	1" / 25	•
	M56PT	5/32"	1" / 25	•
	М66РТ	3/16"	1" / 25	•
	M76PT	7/32"	1" / 25	•
₹	M86PT	1/4"	1" / 25	•
	M96PT	9/32"	1" / 25	•
SAE 6	M106PT	5/16"	1" / 25	•
V	M116PT	11/32"	1" / 25	•
	M126PT	3/8"	1" / 25	•
	M146PT	7/16"	1" / 25	•
	M166PT	1/2"	1" / 25	•
	M186PT	9/16"	1" / 25	•
	SRMS12PT	(Socket Rail	•



SMM126BRPT **PRECISON TORQUE METRIC SOCKET SET**

PRODUCT	ſ#		SIZE MM	OVERALL LENGTH IN. / MM	SET
SMM12	6BRPT	12-PC.	1/4" Drive I	Metric PT Socket Set	
	M65M	MRPT	5	1" / 25	•
	M65.51	MRPT	5.5	1" / 25	•
	M66M	MRPT	6	1" / 25	•
	M67M	MRPT	7	1" / 25	•
7	M68M	MRPT	8	1" / 25	•
	M69M	MRPT	9	1" / 25	•
MM 6	M610N	IMRPT	10	1" / 25	•
U	M611N	IMRPT	11	1" / 25	•
	M612N	IMRPT	12	1" / 25	•
	M613N	IMRPT	13	1" / 25	•
	M614N	IMRPT	14	1" / 25	•
	M615N	IMRPT	15	1" / 25	•
	SRMS1	2MMPT		Socket Rail	•



SMU76BRPT SAE UNIVERSAL SOCKET SET

PRODUCT #		SIZE IN.	OVERALL LENGTH IN. / MM	SET	
SMU76	BRPT	7-PC. 1/4'	Drive SAE	Universal Socket Set	
	MU8	RPT	1/4"	1-3/8" / 35.3	•
₹ _T	MU1	ORPT	5/16"	1-3/8" / 35.3	•
	MU1	1RPT	11/32"	1-3/8" / 35.3	•
SAE G	MU1	2RPT	3/8"	1-3/8" / 35.3	•
U	MU1	4RPT	7/16"	1-3/8" / 35.3	•
	MU1	6RPT	1/2"	1-3/8" / 35.3	•
	MU1	BRPT	9/16"	1-3/8" / 35.3	•



SMD126BRPT **PRECISON TORQUE** SAE DEEP SOCKET SET

PRODUCT #		SIZE IN.	OVERALL LENGTH IN. / MM	SET	
SMD12	6BRPT	12-PC	. 1/4" Drive S	AE PT Deep Socket So	et
	MD048	PT	1/8"	2" / 50	•
	MD056	PT	5/32"	2" / 50	•
	MD068	PT	3/16"	2" / 50	•
	MD078	PT	7/32"	2" / 50	•
₹	MD086	PT	1/4"	2" / 50	•
	MDO96	PT	9/32"	2" / 50	•
SAE G	MD108	PT	5/16"	2" / 50	•
۷	MD116	PT	11/32"	2" / 50	•
	MD126	PT	3/8"	2" / 50	•
	MD148	PT	7/16"	2" / 50	•
	MD168	PT	1/2"	2" / 50	•
	MD186	PT	9/16"	2" / 50	•
	SRMS1	2PT	Sc	ocket Rail	•



SMDM126BRPT **PRECISON TORQUE** METRIC DEEP SOCKET SET

PRODUCT	ſ#		SIZE	OVERALL LENGTH In. / MM	SET
SMDM1	26BRPT	12-PC	. 1/4" Drive	Metric PT Deep Socke	t Set
	MD5MN	IPT	5	2" / 50	•
	MD5.5M	MPT	5.5	2" / 50	•
	MD6MM	IPT	6	2" / 50	•
	MD7MN	PT	7	2" / 50	•
₹ 7	MD8MM	IPT	8	2" / 50	•
	MD9MN	IPT	9	2" / 50	•
MM 6	MD10MI	WPT	10	2" / 50	•
U	MD11MI	WPT	11	2" / 50	•
	MD12MI	WPT	12	2" / 50	•
	MD13MI	WPT	13	2" / 50	•
	MD14MI	WPT	14	2" / 50	•
	MD15MI	WPT	15	2" / 50	•
	SRMS12N	IMPT	5	Socket Rail	•



SMMU96BRPT **METRIC UNIVERSAL** SOCKET SET

PRODUCT #		SIZE MM	OVERALL LENGTH IN. / MM	SET	
SMMU98	BRPT	9-PC. 1/	4" Drive M	etric Universal Socke	t Set
	MU6M	MRPT	6	1-3/8" / 35.3	•
	MU7M	MRPT	7	1-3/8" / 35.3	•
₹ 7	MU8M	MRPT	8	1-3/8" / 35.3	•
	MU9M	MRPT	9	1-3/8" / 35.3	•
MM 6	MU10N	IMRPT	10	1-3/8" / 35.3	•
U	MU11N	IMRPT	11	1-3/8" / 35.3	•
	MU12N	IMRPT	12	1-3/8" / 35.3	•
	MU13N	IMRPT	13	1-3/8" / 35.3	•
	MU14N	IMRPT	14	1-3/8" / 35.3	•



SMDP56BRPT PRECISION TORQUE SAE **DEEP IMPACT SOCKET SETS**

PRODUCT #			SIZE IN.	OVERALL LENGTH In. / MM	SET
			SAE Deep Impact Socket Set		
_	MDP8	6PT	1/4"	2" / 50	•
% T	MDP1	O6PT	5/16"	2" / 50	•
SAE	MDP1	26PT	3/8"	2" / 50	•
6	MDP1	46PT	7/16"	2" / 50	•
	MDP1	66PT	1/2"	2" / 50	•
	SRMS	5PT		•	



SMDPM96BRPT **PRECISION TORQUE METRIC DEEP IMPACT SOCKET SETS**

PRODUCT	T#		SIZE MM	OVERALL LENGTH IN. / MM	SET
SMDPM	SMDPM96BRPT 9-PC. 1/4" Precision			etric Deep Impact ocket Set	
	MDP65.	5MMPT	5.5	2" / 50	•
	MDP66I	NMPT	6	2" / 50	•
7_	MDP671	NIMPT	7	2" / 50	•
597	MDP68I	NMPT	8	2" / 50	•
MM	MDP69I	MMPT	9	2" / 50	•
	MDP610	OMMPT	10	2" / 50	•
	MDP61	IMMPT	11	2" / 50	•
	MDP61	2MMPT	12	2" / 50	•
	MDP613	BMMPT	13	2" / 50	•
	SRMS91	ИМРТ		Socket Rail	•



SM12SBRPT **SAE SPLINE SOCKET SETS**

PRODUCT	ſ#	SIZE IN.	OVERALL LENGTH IN. / MM	SET
SM12S	BRPT 12-P	C. 1/4" Driv	re SAE Spline Socket So	et
	M4SRPT	1/8"	1" / 25	•
	M5SRPT	5/32"	1" / 25	•
	M6SRPT	3/16"	1" / 25	•
₹	M7SRPT	7/32"	1" / 25	•
*97	M8SRPT	1/4"	1" / 25	•
SAE	M9SRPT	9/32"	1" / 25	•
12	M10SRPT	5/16"	1" / 25	•
PLINE	M11SRPT	11/32"	1" / 25	•
	M12SRPT	3/8"	1" / 25	•
	M14SRPT	7/16"	1" / 25	•
	M16SRPT	1/2"	1" / 25	•
	M18SRPT	9/16"	1" / 25	•
	SRMS12PT		Socket Rail	•



SMM12SBRPT **METRIC SPLINE SOCKET SETS**

PRODUCT	·#		SIZE MM	OVERALL LENGTH In. / MM	SET
SMM129	SBRPT	12-PC. 1/	4" Drive	Metric Spline Socket	Set
	M5SN	MRPT	5	1" / 25	•
	M5.5S	MMRPT	5.5	1" / 25	•
	M6SN	MRPT	6	1" / 25	•
₹	M7SN	MRPT	7	1" / 25	•
3 9 /	M8SN	IMRPT	8	1" / 25	•
MM	M9SN	MRPT	9	1" / 25	•
12	M10S	MMRPT	10	1" / 25	•
PLINE	M11S	VIMRPT	11	1" / 25	•
	M12S	VIMRPT	12	1" / 25	•
	M13S	MMRPT	13	1" / 25	•
	M14S	MMRPT	14	1" / 25	•
	M15S	MMRPT	15	1" / 25	•
	SRMS1	2MMPT		Socket Rail	•

3/8" DRIVE PRECISION TORQUE SOCKETS SETS

SXU76BRPT

SAE UNIVERSAL SOCKET SET

PRODUCT #		SIZE IN.	OVERALL LENGTH IN. / MM	SET	
SXU76E	RPT	7-PC. 3/8"	Drive SAI	Universal Socket Set	
	XU1	26RPT	3/8"	1-3/4" / 46.5	•
₹	XU1	46RPT	7/16"	1-3/4" / 46.5	•
	XU1	66RPT	1/2"	1-7/8" / 48	•
SAE 6	XU1	86RPT	9/16"	1-7/8" / 48	•
U	XU2	OGRPT	5/8"	2" / 51.5	•
	XU2	26RPT	11/16"	2" / 51.5	•
	XU2	46RPT	3/4"	2-1/8" / 53.5	•



SXMU106BRPT

METRIC UNIVERSAL SOCKET SET

PRODUCT	PRODUCT #		SIZE MM	OVERALL LENGTH IN. / MM	SET
SXMU10	6BRPT	10-PC. 3	/8" Drive	Metric Universal Socke	et Set
	XU610I	VIMRPT	10	1-3/4" / 46.5	•
	XU611I	MMRPT	11	1-3/4" / 46.5	•
7	XU612I	VIMRPT	12	1-3/4" / 46.5	•
%7	XU613I	VIMRPT	13	1-3/4" / 46.5	•
MM	XU614I	VIMRPT	14	1-7/8" / 48	•
6	XU6151	MMRPT	15	2" / 50.5	•
	XU616I	VIMRPT	16	2" / 50.5	•
	XU6171	MMRPT	17	2" / 51.5	•
	XU618I	VIMRPT	18	2-1/8" / 52.5	•
	XU619I	VIMRPT	19	2-1/8" / 53.5	•



SX126BRPT

SAE SOCKET SET

PRODUCT #		SIZE IN.	OVERALL LENGTH IN. / MM	SET	
SX126B	RPT	12-PC. 3/8	" Drive SAE	Socket Set	
	X86P1	•	1/4"	1-1/8" / 30	•
	X106I	T	5/16"	1-1/8" / 30	•
	X126	T	3/8"	1-1/8" / 30	•
	X146	T	7/16"	1-1/8" / 30	•
7	X166I	T	1/2"	1-1/8" / 30	•
	X186	T	9/16"	1-1/8" / 30	•
SAE 6	X206F	T	5/8"	1-1/8" / 30	•
U	X2261	T	11/16"	1-1/8" / 30	•
	X2461	T	3/4"	1-1/8" / 30	•
	X266F	T	13/16"	1-1/8" / 30	•
	X2861	T	7/8"	1-1/8" / 30	•
	X306F	T	15/16"	1-1/8" / 30	•
	SRXS1	12PT	5	Socket Rail	•



SXM146BRPT

METRIC SOCKET SET

PRODUCT	#	SIZE MM	OVERALL LENGTH IN. / MM	SET
SXM146	BRPT 14-PC. 3/	8" Drive I	Wetric Standard Sock	et Set
	х66ммрт	6	1-1/8" / 30	•
	х67ММРТ	7	1-1/8" / 30	•
	X68MMPT	8	1-1/8" / 30	•
	х69ММРТ	9	1-1/8" / 30	•
	X610MMPT	10	1-1/8" / 30	•
₹	X611MMPT	11	1-1/8" / 30	•
	X612MMPT	12	1-1/8" / 30	•
MM 6	X613MMPT	13	1-1/8" / 30	•
U	X614MMPT	14	1-1/8" / 30	•
	X615MMPT	15	1-1/8" / 30	•
	X616MMPT	16	1-1/8" / 30	•
	X617MMPT	17	1-1/8" / 30	•
	X618MMPT	18	1-1/8" / 30	•
	х619ММРТ	19	1-1/8" / 30	•
	SRXS14MMPT		Socket Rail	•



SXMP206PT

SAE AND METRIC MAGNETIC IMPACT SOCKET SET

	-		1221		
PRODUCT	#		SIZE MM	OVERALL LENGTH IN. / MM	SET
SXMP206	iPT .		/8" Drive S c Impact So	AE and Metric ocket Set	
	ХМР	106	5/16"	1-1/8" / 30	•
7_	XMP	126	3/8"	1-1/8" / 30	•
% T	XMP	146	7/16"	1-1/8" / 30	•
SAE	XMP	166	1/2"	1-1/8" / 30	•
6	XMP	186	9/16"	1-1/8" / 30	•
	XMP	206	5/8"	1-1/8" / 30	•
₽7₽	XMP	226	11/16"	1-1/8" / 30	•
	XMP	246	3/4"	1-1/8" / 30	•
	XMP	68MM	8	1-1/8" / 30	•
	XMP	69MM	9	1-1/8" / 30	•
	XMP	610MM	10	1-1/8" / 30	•
₹ 7	XMP	611MM	11	1-1/8" / 30	•
	XMP	612MM	12	1-1/8" / 30	•
MM	XMP	613MM	13	1-1/8" / 30	•
6	XMP	614MM	14	1-1/8" / 30	•
	XMP	615MM	15	1-1/8" / 30	•
₽7₽	XMP	616MM	16	1-1/8" / 30	•
	XMP	617MM	17	1-1/8" / 30	•
	XMP	618MM	18	1-1/8" / 30	•
	XMP	619MM	19	1-1/8" / 30	•



SXP86BRPT

SAE IMPACT SOCKET SET

PRODUCT #		SIZE IN.	OVERALL LENGTH IN. / MM	SET	
SXP86E	RPT	8-PC. 3/8	B" Drive SAE	Impact Socket Set	
	XP1	OGPT	5/16"	1-1/8" / 30	•
	XP1	26PT	3/8"	1-1/8" / 30	•
797	XP1	16PT	7/16"	1-1/8" / 30	•
	XP166PT	1/2"	1-1/8" / 30	•	
SAE 6	XP1	36PT	9/16"	1-1/8" / 30	•
U	XP2	O6PT	5/8"	1-1/8" / 30	•
	XP2	26PT	11/16"	1-1/8" / 30	•
	XP2	16PT	3/4"	1-1/8" / 30	•
	SRX	S8PT	S	ocket Rail	•
				20	



SXPM156BRPT

METRIC IMPACT SOCKET SET

PRODUC	Т#	SIZE MM	OVERALL LENGTH IN. / MM	SET		SIZE MM	OVERALL LENGTH IN. / MM	SET
SXPM1	56BRPT 15-PC	. 3/8" Drive	Metric Impact Socke	et Set				
	XP610MMPT	10	1-1/8" / 30	•	XP618MMPT	18	1-1/8" / 30	•
₹	XP611MMPT	11	1-1/8" / 30	•	XP619MMPT	19	1-1/8" / 30	•
) , ,,,	XP612MMPT	12	1-1/8" / 30	•	XP620MMPT	20	1-1/8" / 30	•
MM	хр613ММРТ	13	1-1/8" / 30	•	XP621MMPT	21	1-1/8" / 30	•
6	хр614ММРТ	14	1-1/8" / 30	•	XP622MMPT	22	1-1/8" / 30	•
	XP615MMPT	15	1-1/8" / 30	•	XP623MMPT	23	1-1/8" / 30	•
	XP616MMPT	16	1-1/8" / 30	•	XP624MMPT	24	1-1/8" / 30	•
	XP617MMPT	17	1-1/8" / 30	•	- T			



SXDP106BRPT

SAE DEEP IMPACT SOCKET SET SAE DEEP SOCKET SET

PRODUCT	·#	SIZE IN.	OVERALL LENGTH IN. / MM	SET
SXDP10	6BRPT 10-P	C. 3/8" Drive	SAE Deep Impact Sock	et Set
	XDP106PT	5/16"	2-1/2" / 63	•
	XDP126PT	3/8"	2-1/2" / 63	•
	XDP146PT	7/16"	2-1/2" / 63	•
₹	XDP166PT	1/2"	2-1/2" / 63	•
OUT.	XDP186PT	9/16"	2-1/2" / 63	•
SAE 6	XDP206PT	5/8"	2-1/2" / 63	•
U	XDP226PT	11/16"	2-1/2" / 63	•
	XDP246PT	3/4"	2-1/2" / 63	•
	XDP266PT	13/16"	2-1/2" / 63	•
	XDP286PT	7/8"	2-1/2" / 63	•
	SRXD10PT		Socket Rail	•



PRODUCT	#		SIZE IN.	OVERALL LENGTH IN. / MM	SET
SXD126E	BRPT	12-PC. 3/	8" Drive S <i>l</i>	AE Deep Socket Set	
	XD86	PT	1/4"	2-1/2" / 63	•
	XD10	6PT	5/16"	2-1/2" / 63	•
	XD12	6PT	3/8"	2-1/2" / 63	•
	XD14	6PT	7/16"	2-1/2" / 63	•
₹	XD16	6PT	1/2"	2-1/2" / 63	•
	XD18	6PT	9/16"	2-1/2" / 63	•
SAE 6	XD20	6PT	5/8"	2-1/2" / 63	•
٧	XD22	6PT	11/16"	2-1/2" / 63	•
	XD24	6PT	3/4"	2-1/2" / 63	•
	XD26	6PT	13/16"	2-1/2" / 63	•
	XD28	6PT	7/8"	2-1/2" / 63	•
	XD30	БРТ	15/16"	2-1/2" / 63	•
	SRXD	12PT		Socket Rail	•



SXDM146BRPT

METRIC DEEP SOCKET SET

PRODUCT	ſ#		SIZE MM	OVERALL LENGTH IN. / MM	SET
SXDM1	46BRPT	14-PC.	3/8" Drive	Metric Deep Socket	Set
	XD66MI	ИРТ	6	2-1/2" / 63	•
	XD67MI	/IPT	7	2-1/2" / 63	•
	XD68MI	ИРТ	8	2-1/2" / 63	•
	XD69MI	ЛРТ	9	2-1/2" / 63	•
	XD610N	IMPT	10	2-1/2" / 63	•
₹ 7	XD611N	IMPT	11	2-1/2" / 63	•
	XD612N	IMPT	12	2-1/2" / 63	•
MM 6	XD613N	IMPT	13	2-1/2" / 63	•
U	XD614N	IMPT	14	2-1/2" / 63	•
	XD615N	IMPT	15	2-1/2" / 63	•
	XD616N	IMPT	16	2-1/2" / 63	•
	XD617N	IMPT	17	2-1/2" / 63	•
	XD618N	IMPT	18	2-1/2" / 63	•
	XD619N	IMPT	19	2-1/2" / 63	•
	SRXD14I	MMPT		Socket Rail	•

3/8" DRIVE SPLINE SOCKETS SETS



SAE SPLINE SOCKET SETS

PRODUCT	·#	SIZE IN.	OVERALL LENGTH In. / MM	SET
SX13SB	RPT 13-PC.	3/8" Drive	SAE Spline Socket Se	t
	X8SRPT	1/4"	1-3/16" / 30	•
	X10SRPT	5/16"	1-3/16" / 30	•
	X12SRPT	3/8"	1-3/16" / 30	•
	X14SRPT	7/16"	1-3/16" / 30	•
	X16SRPT	1/2"	1-3/16" / 30	•
	X18SRPT	9/16"	1-3/16" / 30	•
SAE	X20SRPT	5/8"	1-3/16" / 30	•
	X22SRPT	11/16"	1-3/16" / 30	•
OPLIN	X24SRPT	3/4"	1-3/16" / 30	•
	X26SRPT	13/16"	1-3/16" / 30	•
	X28SRPT	7/8"	1-3/16" / 30	•
	X30SRPT	15/16"	1-3/16" / 30	•
	X32SRPT	1"	1-3/16" / 30	•
	SRXS13PT		Socket Rail	•



SX13DSBRPT SAE DEEP SPHERICAL SOCKET SET

PRODUCT	·#		SIZE IN.	OVERALL LENGTH IN. / MM	SET
SX13DS			3/8" Drive cal Socket		
	X08DSP	r	1/4"	2.48" / 63	•
	X10DSP	Г	3/16"	2.48" / 63	•
	X12DSP	Г	3/8"	2.48" / 63	•
	X14DSP	Г	7/16"	2.48" / 63	•
	X16DSP	T	1/2"	2.48" / 63	•
	X18DSP	Т	9/16"	2.48" / 63	•
SAE	X20DSP	Г	5/8"	2.48" / 63	•
(12)	X22DSP	Т	11/16"	2.48" / 63	•
	X24DSP	T	3/4"	2.48" / 63	•
	X26DSP	Г	13/16"	2.48" / 63	•
	X28DSP	Т	7/8"	2.48" / 63	•
	X3ODSP	Т	15/16"	2.48" / 63	•
	X32DSP	Т	1"	2.48" / 63	•
	SRXS13	PT		Socket Rail	•



METRIC SPLINE SOCKET SETS

PRODUCT #		SIZE MM	OVERALL LENGTH IN. / MM	SET
SXM12S	BRPT 12-PC. 3/	8" Drive	Metric Spline Socket	Set
	X8SMMRPT	8	1-3/16"	•
	X9SMMRPT	9	1-3/16"	•
	X10SMMRPT	10	1-3/16"	•
	X11SMMRPT	11	1-3/16"	•
	X12SMMRPT	12	1-3/16"	•
MM	X13SMMRPT	13	1-3/16"	•
12	X14SMMRPT	14	1-3/16"	•
PLINE	X15SMMRPT	15	1-3/16"	•
	X16SMMRPT	16	1-3/16"	•
	X17SMMRPT	17	1-3/16"	•
	X18SMMRPT	18	1-3/16"	•
	X19SMMRPT	19	1-3/16"	•
	SRXS12MMPT		Socket Rail	•



SXM12DSBRPT METRIC DEEP SPHERICAL SOCKET SET

PRODUCT	#		SIZE MM	OVERALL LENGTH IN. / MM	SET	
SXM12DS	BRPT			8" Drive Metric Deep Socket Set		
	X08MI	NDSPT	8	2.48" / 63	•	
	хоэмі	NDSPT	9	2.48" / 63	•	
	X10MI	NDSPT	10	2.48" / 63	•	
	X11MI	NDSPT	11	2.48" / 63	•	
	X12MI	NDSPT	12	2.48" / 63	•	
	X13MI	NDSPT	13	2.48" / 63	•	
	X14MI	NDSPT	14	2.48" / 63	•	
	X15MI	NDSPT	15	2.48" / 63	•	
	X16MI	NDSPT	16	2.48" / 63	•	
	X17MI	NDSPT	17	2.48" / 63	•	
	X18MI	MDSPT	18	2.48" / 63	•	
	X19MI	NDSPT	19	2.48" / 63	•	
	SRXS1	2MMPT		Socket Rail	•	



SAE SPHERICAL IMPACT SOCKET SET

PRODUCT #		SIZE IN.	OVERALL LENGTH In. / MM	SET	
SXP12S	BRPT		3/8" Drive Socket Se	SAE Spherical t	
	XP10SF	·Τ	5/16"	1.12" / 28.5	•
	XP12SF	PΤ	3/8"	1.12" / 28.5	•
	XP14SF	T	7/16"	1.18" / 30	•
	XP16SF	T	1/2"	1.18" / 30	•
	XP18SF	T	9/16"	1.18" / 30	•
	XP20SF	T	5/8"	1.18" / 30	•
SAE	XP22SF	T	11/16"	1.24" / 31.5	•
	XP24SF	T	3/4"	1.24" / 31.5	•
	XP26SF	T	13/16"	1.24" / 31.5	•
	XP28SF	T	7/8"	1.24" / 31.5	•
	XP30SF	T	15/16"	1.24" / 31.5	•
	XP32SF	T	1"	1.24" / 31.5	•
	SRXS12	PT		Socket Rail	•

METRIC SPHERICAL IMPACT SOCKET SET

PRODUCT	PRODUCT #		SIZE MM	OVERALL LENGTH IN. / MM	SET
SXPM135				Metric Deep Socket Set	
	XP7SN	IMPT	7	1.12" / 28.5	•
	XP8SN	IMPT	8	1.12" / 28.5	•
	XP9SN	IMPT	9	1.12" / 28.5	•
	XP10S	MMPT	10	1.12" / 28.5	•
	XP11S	MMPT	11	1.18" / 30	•
	XP12S	MMPT	12	1.18" / 30	•
MM	XP13S	MMPT	13	1.18" / 30	•
12	XP14S	MMPT	14	1.18" / 30	•
	XP15S	MMPT	15	1.18" / 30	•
	XP16S	MMPT	16	1.18" / 30	•
	XP17S	MMPT	17	1.24" / 31.5	•
	XP18S	ММРТ	18	1.24" / 31.5	•
	XP19S	ММРТ	19	1.24" / 31.5	•
	SRXD1	4MMPT		Socket Rail	•



METRIC DEEP SPHERICAL IMPACT SOCKET SET

IIVIPACI SUCKEI SEI						
PRODUCT	#		SIZE MM	OVERALL LENGTH IN. / MM	SET	
SXDPM10	SBRPT			Metric Deep Socket Set		
	XDP10	SMMPT	10	2.48" / 63	•	
	XDP11SMMPT		11	2.48" / 63	•	
	XDP12	SMMPT	12	2.48" / 63	•	
	XDP13	SMMPT	13	2.48" / 63	•	
	XDP14	SMMPT	14	2.48" / 63	•	
	XDP15	SMMPT	15	2.48" / 63	•	
	XDP16	SMMPT	16	2.48" / 63	•	
	XDP17	SMMPT	17	2.48" / 63	•	
XI	XDP18	SMMPT	18	2.48" / 63	•	
	XDP19	SMMPT	19	2.48" / 63	•	
	SRXS1	OMMPT		Socket Rail	•	



PRODUCT #		SIZE IN.	OVERALL LENGTH IN. / MM	SEI		
SXDP1	2SBRPT		. 3/8" Drive SAE Deep cal Impact Socket Set			
	XDP10	SPT	5/16"	2.48" / 63	•	
	XDP12	SPT	3/8"	2.48" / 63	•	
	XDP14	SPT	7/16"	2.48" / 63	•	
	XDP16	SPT	1/2"	2.48" / 63	•	
	XDP18	SPT	9/16"	2.48" / 63	•	
	XDP20	SPT	5/8"	2.48" / 63	•	
SAE 12	XDP22	SPT	11/16"	2.48" / 63	•	
	XDP24	SPT	3/4"	2.48" / 63	•	
	XDP26	SPT	13/16"	2.48" / 63	•	
	XDP28	SPT	7/8"	2.48" / 63	•	
	XDP30	SPT	15/16"	2.48" / 63	•	
	XDP32	SPT	1"	2.48" / 63	•	
	SRXS1	2PT		Socket Rail	•	

1/2" D'3/V/= PRECISION TORQUE SOCKETS SETS



SV156BRPT **SAE SOCKET SET**

PRODUCT	ſ#	SIZE IN.	OVERALL LENGTH IN. / MM	SET
SV156B	RPT 15-PC.	1/2" Drive S	AE Precision Socket Se	t
	V126PT	3/8"	1-1/2" / 38	•
	V146PT	7/16"	1-1/2" / 38	•
	V166PT	1/2"	1-1/2" / 38	•
	V186PT	9/16"	1-1/2" / 38	•
	V206PT	5/8"	1-1/2" / 38	•
7	V226PT	11/16"	1-1/2" / 38	•
%	V246PT	3/4"	1-1/2" / 38	•
SAE	V266PT	13/16"	1-1/2" / 38	•
6	V286PT	7/8"	1-9/16" / 40	•
	V306PT	15/16"	1-9/16" / 40	•
	V326PT	1"	1-22/32" / 42	•
	V346PT	1-1/16"	1-3/4" / 45	•
	V366PT	1-1/8"	1-3/4" / 45	•
	V386PT	1-3/16"	1-3/4" / 45	•
	V406PT	1-1/4"	1-3/4" / 45	•
	SRVD15PT		Socket Rail	•



SVM106BRPT **METRIC SOCKET SET**

PRODUCT #		SIZE MM	OVERALL LENGTH In. / MM	SET	
SVM108	BRPT	10-PC. 1/2	" Drive I	Metric Precision Sock	et Set
	V610N	лмрт	10	1-1/2" / 38	•
	V611N	ЛМРТ	11	1-1/2" / 38	•
	V612MMPT V613MMPT		12	1-1/2" / 38	•
₹ 7			13	1-1/2" / 38	•
	V614N	ЛМРТ	14	1-1/2" / 38	•
MM 6	V615N	ЛМРТ	15	1-1/2" / 38	•
V	V616N	ЛМРТ	16	1-1/2" / 38	•
	V617N	ЛМРТ	17	1-1/2" / 38	•
	V618N	ЛМРТ	18	1-1/2" / 38	•
	V619N	ЛМРТ	19	1-1/2" / 38	•
	SRVS1	OMMPT		Socket Rail	•



SVD126BRPT SAF DEED SOCKET SET

PRODUCT #			SIZE IN.	OVERALL LENGTH IN. / MM	SET
		1/2" Drive S on Deep Soc			
	VD14	6РТ	7/16"	3" / 76.5	•
	VD16	6РТ	1/2"	3" / 76.5	•
	VD18	6РТ	9/16"	3" / 76.5	•
	VD20	6PT	5/8"	3" / 76.5	•
₹	VD2261		11/16"	3" / 76.5	•
	VD24	6PT	3/4"	3" / 76.5	•
SAE 6	VD26	6PT	13/16"	3" / 76.5	•
۷	VD28	6PT	7/8"	3" / 76.5	•
	VD30	6PT	15/16"	3" / 76.5	•
	VD32	БРТ	1"	3" / 76.5	•
	VD34	6РТ	1-1/16"	3" / 76.5	•
	VD36	6РТ	1-1/8"	3" / 76.5	•
	SRVS	12PT	(Socket Rail	•



SVDM106BRPT **METRIC DEEP SOCKET SET**

PRODUCT #		SIZE IN.	OVERALL LENGTH IN. / MM	SET	
			1/2" Drive on Deep S		
VD610I		лмрт	10	3" / 76.5	•
	VD6111	/IMPT	11	3" / 76.5	•
	VD6121	/IMPT	12	3" / 76.5	•
₹ 7	VD6131	/IMPT	13	3" / 76.5	•
	VD6141	/IMPT	14	3" / 76.5	•
MM 6	VD6151	/IMPT	15	3" / 76.5	•
Y	VD6161	ЛМРТ	16	3" / 76.5	•
	VD6171	/IMPT	17	3" / 76.5	•
1	VD6181	/IMPT	18	3" / 76.5	•
	VD6191	/IMPT	19	3" / 76.5	•
	SRVS10	ММРТ		Socket Rail	•



SVP156BRPT **SAE IMPACT SOCKET SET**

PRODUCT #		SIZE IN.	OVERALL LENGTH IN. / MM	
SVP156BRPT 15-PC		C. 1/2" Driv	e SAE Impact Socket S	et
V	P126PT	3/8"	1-1/2" / 38	•
V	P146PT	7/16"	1-1/2" / 38	•
V	P166PT	1/2"	1-1/2" / 38	•
V	P186PT	9/16"	1-1/2" / 38	•
U	P206PT	5/8"	1-1/2" / 38	•
3	P226PT	11/16"	1-1/2" / 38	•
V	P246PT	3/4"	1-1/2" / 38	•
-	P266PT	13/16"	1-1/2" / 38	•
	P286PT	7/8"	1-1/2" / 38	•
V	P306PT	15/16"	1-1/2" / 38	•
V	P326PT	1"	1-1/2" / 38	•
V	P346PT	1-1/16"	1-1/2" / 38	•
V	P366PT	1-1/8"	1-1/2" / 38	•
V	P386PT	1-3/16"	1-1/2" / 38	•
V	P406PT	1-1/4"	1-1/2" / 38	•
S	RVD15PT		Socket Rail	•



SVPM136BRPT **METRIC IMPACT SOCKET SET**

PRODUCT	ſ#		SIZE IN.	OVERALL LENGTH In. / MM	SET
SVPM1	36BRPT	13-PC	1/2" Driv	re Metric Impact Sock	et Set
	VP610N	IMPT	10	1-1/2" / 38	•
	VP611N	IMPT	11	1-1/2" / 38	•
	VP612N	IMPT	12	1-1/2" / 38	•
	VP613N	IMPT	13	1-1/2" / 38	•
7_	VP614N	IMPT	14	1-1/2" / 38	•
द्भ	VP615N	IMPT	15	1-1/2" / 38	•
MM	VP616N	IMPT	16	1-1/2" / 38	•
6	VP617N	IMPT	17	1-1/2" / 38	•
	VP618N	IMPT	18	1-1/2" / 38	•
	VP619N	IMPT	19	1-1/2" / 38	•
	VP621N	IMPT	21	1-1/2" / 38	•
	VP622N	IMPT	22	1-1/2" / 38	•
	VP624N	IMPT	24	1-1/2" / 38	•
	SRVD13I	ИМРТ		Socket Rail	•



SVPM66BRPT METRIC IMPACT SOCKET SET

PRODUCT	ſ#		SIZE IN.	OVERALL LENGTH IN. / MM	SET
SVPM6	6BRPT	6-PC. 1	/2" Drive	Metric Impact Socket	Set
_	VPM626	ММРТ	26	1-1/2" / 38	•
	VPM627	ММРТ	27	1-1/2" / 38	•
	VPM630	ММРТ	30	1-1/2" / 38	•
MM	VPM632	ММРТ	32	1-1/2" / 38	•
	VPM634	ММРТ	34	1-1/2" / 38	•
	VPM636	ММРТ	36	1-1/2" / 38	•
	SRVD13N	IMPT		Socket Rail	•



SVDP136BRPT

SAE DEEP IMPACT SOCKET SET

PRODUCT #		SIZE IN.	OVERALL LENGTH IN. / MM	SET
SVDP136BRI		-PC. 1/2" Dr pact Socket	ive SAE Deep Set	
VDI	P14PT	7/16"	3-1/4" / 82.6	•
VDI	P16PT	1/2"	3-1/4" / 82.6	•
VDI	P18PT	9/16"	3-1/4" / 82.6	•
VDI	P20PT	5/8"	3-1/4" / 82.6	•
Z VDI	P22PT	11/16"	3-1/4" / 82.6	•
VDI	P24PT	3/4"	3-1/4" / 82.6	•
C//	P26PT	13/16"	3-1/4" / 82.6	•
6 VDI	P28PT	7/8"	3-1/4" / 82.6	•
VDI	P30PT	15/16"	3-1/4" / 82.6	•
VDI	932PT	1"	3-1/4" / 82.6	•
VDI	934PT	1-1/16"	3-1/4" / 82.6	•
VDI	P36PT	1-1/8"	3-1/4" / 82.6	•
VDI	P40PT	1-1/4"	3-1/4" / 82.6	•
SRV	D13PT		Socket Rail	•



SVDPM66BRPT

METRIC	DEEP	IMPACT	SET

PRODUCT	PRODUCT #			OVERALL LENGTH In. / MM	SET
		/2" Drive Socket S	Metric Deep et		
	VDP626I	MMPT	26	3-1/4" / 82.6	•
₹ 7	VDP6271	NMPT	27	3-1/4" / 82.6	•
	VDP630I	NMPT	30	3-1/4" / 82.6	•
MM 6	VDP6321	MMPT	32	3-1/4" / 82.6	•
	VDP634I	NMPT	34	3-1/4" / 82.6	•
	VDP636I	MMPT	36	3-1/4" / 82.6	•
	SRVD16	WIMPT		Socket Rail	



SVDPM166BRPT

METRIC DEEP IMPACT SET

IAIE	KIC DEE	P II	VII	ACI SEI	
PRODUCT	T#	SI	ZE J.	OVERALL LENGTH In. / MM	SET
SVDPM		-PC. 1/2" pact Sock		re Metric Deep et	
	VDP610MM	T 1	0	3-1/4" / 82.6	•
	VDP611MMF	T 1	1	3-1/4" / 82.6	•
	VDP612MMF	T 1	2	3-1/4" / 82.6	•
	VDP613MMF	T 1	3	3-1/4" / 82.6	•
	VDP614MM	PT 1-	4	3-1/4" / 82.6	•
	VDP615MMF	T 1	5	3-1/4" / 82.6	•
₹	VDP616MMF	PT 1	6	3-1/4" / 82.6	•
	VDP617MMF	PT 1	7	3-1/4" / 82.6	•
MM 6	VDP618MMF	T 1	8	3-1/4" / 82.6	•
	VDP619MMF	PT 1	9	3-1/4" / 82.6	•
	VDP620MMF	2 T	0	3-1/4" / 82.6	•
	VDP621MMF	2 T	1	3-1/4" / 82.6	•
	VDP622MMF	2 T	2	3-1/4" / 82.6	•
	VDP623MMF	2 T	3	3-1/4" / 82.6	•
	VDP624MMF	2.	4	3-1/4" / 82.6	•
	VDP625MMF	2 T	5	3-1/4" / 82.6	•
	SRVD16MMI	PT		Socket Rail	•

1/2" D'S\\\= SPLINE SOCKETS SETS



SVPM14SBRPT METRIC SPHERICAL SOCKET SET

SPHERICAL SOCKET SET						
PRODUCT	T#		SIZE IN.	OVERALL LENGTH IN. / MM	SET	
SVPM14	4SBRPT		1/2" Driv Socket S	re MM Spherical let		
	VP10SMI	VIPT	10	1-1/2" / 38	•	
	VP11SMI	VIPT	11	1-1/2" / 38	•	
	VP12SMI	VIPT	12	1-1/2" / 38	•	
	VP13SMI	VIPT	13	1-1/2" / 38	•	
	VP14SMMPT		14	1-1/2" / 38	•	
	VP15SMMPT		15	1-1/2" / 38	•	
	VP16SMI	VIPT	16	1-1/2" / 38	•	
MM 12	VP17SMI	VIPT	17	1-1/2" / 38	•	
	VP18SMI	VIPT	18	1-1/2" / 38	•	
	VP19SMI	VIPT	19	1-1/2" / 38	•	
	VP21SMI	VIPT	21	1-1/2" / 38		
	VP22SMI	VIPT	22	1-1/2" / 38	•	
	VP26SMI	VIPT	26	1-1/2" / 38	•	
	VP27SMI	VIPT	27	1-1/2" / 38	•	
	SRVD16N	имрт		Socket Rail	•	



SVP13SBRPT SAE SPHERICAL IMPACT SOCKET SET

PRODUCT #		SIZE IN.	OVERALL LENGTH In. / MM	SET
SVP13SBRPT	SVP13SBRPT 13-PC. Spheric		SAE Socket Set	
VP1	4SPT	7/16"	1.50" / 38	•
VP1	6SPT	1/2"	1.50" / 38	•
VP1	18SPT	9/16"	1.50" / 38	•
VP2	OSPT	5/8"	1.50" / 38	•
VP2	2SPT	11/16"	1.50" / 38	•
VP2	4SPT	3/4"	1.50" / 38	•
SAE VP2	6SPT	13/16"	1.50" / 38	•
12 VP2	espt	7/8"	1.50" / 38	•
VP3	OSPT	15/16"	1.57" / 40	•
VP3	2SPT	1"	1.57" / 40	•
VP3	4SPT	1-1/16"	1.69" / 43	•
VP3	6SPT	1-1/8"	1.69" / 43	•
VP3	18SPT	1-1/4"	1.69" / 43	•
SRI	ID13PT		Socket Rail	•



SVDPM14SBRPT **METRIC DEEP SPHERICAL IMPACT SOCKET SET**

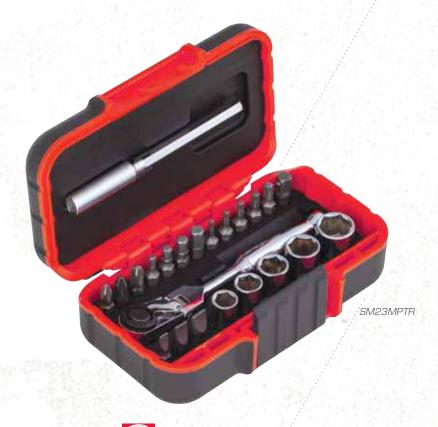
INPACT SOCKET SET					
PRODUCT	#		SIZE MM	OVERALL LENGTH IN. / MM	SET
SVDPM1	4SBRPT	14-PC. 1/ Impact So		MM Deep Spherical t	
	VDP108	ММРТ	10	3.07" / 78	•
	VDP11S	MMPT	11	3.07" / 78	•
	VDP129	ММРТ	12	3.07" / 78	•
	VDP13S	ММРТ	13	3.07" / 78	•
	VDP149	ММРТ	14	3.07" / 78	•
	VDP159	ММРТ	15	3.07" / 78	•
	VDP169	ММРТ	16	3.07" / 78	•
MM 3	VDP178	MMPT	17	3.07" / 78	•
	VDP189	ММРТ	18	3.07" / 78	•
	VDP198	ММРТ	19	3.07" / 78	•
	VDP219	ММРТ	21	3.07" / 78	•
	VDP22S	ММРТ	22	3.07" / 78	•
	VDP269	ВММРТ	26	3.07" / 78	•
	VDP279	ММРТ	27	3.07" / 78	•
	SRVD16	ММРТ		Socket Rail	•



SVDP13SBRPT SAE DEEP SPHERICAL **IMPACT SOCKET SET**

PRODUCT #		SIZE IN.	OVERALL LENGTH In. / MM	SET	
SVDP13	SBRPT		1/2" Drive cal Impact	SAE Deep Socket Set	
	VDP149	PT	7/16"	3.07" / 78	•
	VDP169	PT	1/2"	3.07" / 78	•
	VDP189	PT	9/16"	3.07" / 78	•
	VDP209	PT	5/8"	3.07" / 78	•
	VDP229	PT	11/16"	3.07" / 78	•
	VDP249	PT	3/4"	3.07" / 78	•
SAE	VDP269	PT	13/16"	3.07" / 78	•
(12)	VDP289	PT	7/8"	3.07" / 78	•
	VDP309	PT	15/16"	3.07" / 78	•
	VDP329	PT	1"	3.07" / 78	•
	VDP349	PT	1-1/16"	3.07" / 78	•
	VDP369	PT	1-1/8"	3.07" / 78	•
	VDP385	PT	1-1/4"	3.07" / 78	•
	SRVD13	PT		Socket Rail	•

1/4 DRIVE MICRO SOCKETS SETS



SM23PTR / SM23PTG / SM23PTO 23-PC 1/4" DRIVE SAE 6-PT. MICRO SET (RED, GREEN, ORANGE)

- Compact case for easy access and mobility
- 60 Tooth Count Ratchet providing greater access
- The sockets include a patented non-slip technology which removes fasteners up to 85% rounded
- Variety of 1/4" Hex Bits

INCLUDES:

T-Handle / Extension / Bit Driver 4"
1/4" Hex Drive Flex-Head Bit.Ratchet
Slotted Bit 4.5MM, 6.5MM, 8MM
Phillips® BIT #1, #2, #3
Hex Bit 3MM, 4MM, 5MM, 6MM
Male X 1/4" Square Male Adapter 1"
TORX® T8, T10, T15, T20, T25
Non-Slip 6-PT Socket 6MM, 8MM, 10MM, 12MM, 13MM

SM23MPTR / SM23MPTG / SM23MPTO 23-PC 1/4" DRIVE METRIC 6-PT. MICRO SET (RED, GREEN, ORANGE)

- Compact case for easy access and mobility
- 60 Tooth Count Ratchet providing greater access
- The sockets include a patented non-slip technology which removes fasteners up to 85% rounded
- Variety of 1/4" Hex Bits

INCLUDES:

T-Handle / Extension / Bit Driver 4"
1/4" Hex Drive Flex-Head Bit Ratchet
Slotted Bit 4.5MM, 6.5MM, 8MM
Phillips® BIT #1, #2, #3
Hex Bit 3MM, 4MM, 5MM, 6MM
Male X 1/4" Square Male Adapter 1"
TORX® T8, T10, T15, T20, T25
Non-Slip 6-PT Socket 6MM, 8MM, 10MM, 12MM, 13MM



SM38PTR / SM38PTG / SM38PTO 38-PC 1/4" DRIVE SAE 6-PT. MICRO SET (RED, GREEN, ORANGE)

- Compact case for easy access and mobility
- 72 Tooth Count Ratchet providing greater access
- The sockets include a patented non-slip technology which removes fasteners up to 85% rounded
- Variety of 1/4" Hex Bits

INCLUDES:

1/4" Drive Spin Handle

1/4" Hex Drive Bit Ratchet

1/4" Extension 2" and 4"

1/4" Universal Joint

Slotted Bit 3/16", 1/4", 9/32"

Phillips® Bit #1, #2, #3

Hex Bit 1/8", 5/32", 3/16", 7/32", 1/4"

Male X 1/4" Square Male Adapter 1"

Female x 1/4" Square Female Bit Coupler

TORX® T8, T10, T15, T20, T25, T27

Spline M5, M6, M8

Non-Slip 6-PT Socket 5/32", 3/16', 7/32", 1/4", 9/32",

5/16", 11/32", 3/8", 7/16", 1/2"

SM38MPTR / SM38MPTG / SM38MPTO 38-PC 1/4" DRIVE METRIC 6-PT. MICRO SET (RED, GREEN, ORANGE)

- Compact case for easy access and mobility
- 72 Tooth Count Ratchet providing greater access
- The sockets include a patented non-slip technology which removes fasteners up to 85% rounded
- Variety of 1/4" Hex Bits

INCLUDES:

1/4" Drive Spin Handle

1/4" Hex Drive Bit Ratchet

1/4" Extension 2" and 4"

1/4" Universal Joint

Slotted Bit 4.5MM, 6.5MM, 8MM

Phillips® BIT #1, #2, #3

Hex Bit 3MM, 4MM, 5MM, 6MM, 8MM

Male X 1/4" Square Male Adapter 1"

Female x 1/4" Square Female Bit Coupler

TORX® T8, T10, T15, T20, T25,T27

Spline M5, M6, M8

Non-Slip 6-PT Socket 5.5MM, 6MM, 7MM, 8MM, 9MM,

10MM, 11MM, 12MM, 13MM, 14MM

1/4" DRIVE ECONOMY SOCKETS SETS



The tools on this page have been PROUDLY MADE IN THE USA with global components.



SMM446BR



INCLUDES:

- (10) 3/16" 9/16" SAE Standard Sockets (10) 3/16" 9/16" SAE Deep Sockets
- (10) 5.5 14mm Metric Standard Sockets 10) 5.5 - 14mm Metric Deep Sockets
- (2) 2" and 6" Extensions
- 1) Universal Joint
- (1) 5" Ratchet
- (1) Blow-Molded Case



19-PC. 1/4" DRIVE SAE 12-PT. ECONOMY SET

19-PC. 1/4" DRIVE SAE **6-PT. ECONOMY SET**

INCLUDES:

- [7] 1/4"-1/2" SAE Standard Sockets
- [7] 1/4"-1/2" SAE Deep Sockets
- (2) 2" and 6" Extensions
- (1) Universal Joint
- (1) 5" Ratchet
- (1) 6-1/4" Spin Handle
- (1) Blow-Molded Case



SMM206BR

20-PC. 1/4" DRIVE METRIC **6-PT. ECONOMY SET**

INCLUDES:

(9) 6-14mm Metric Standard Sockets (9) 6-14mm Metric Deep Sockets



SMM246PTR

24-PC. 1/4" DRIVE METRIC **6-PT. SOCKET SET**

INCLUDES:

[12] 5-15mm Metric Standard Sockets (12) 5-15mm Metric Deep Sockets







3/8" DRIVE ECONOMY SOCKETS SETS







44-PC. 3/8" DRIVE **SAE AND METRIC SOCKET SET** INCLUDES:

- (10) 1/4"-13/16" SAE Standard Sockets
- (10) 1/4"-13/16" SAE Deep Sockets
- (10) 10 19mm Metric Standard Sockets
- (10) 10 19mm Metric Deep Sockets
- (2) 3" and 6" Extensions
- (1) Universal Joint
- (1) 8" Knurled Ratchet
- (1) Blow-Molded Case



SX196BR

19-PC. SAE MIGHTY ECONOMY **INCLUDES:**

- (8) 3/8" 13/16" SAE Sockets
- (8) 3/8" 13/16" SAE Deep Sockets
- (1) 3" Extension
- (1) Universal Joint
- (1) 8" Ratchet
- (1) Blow-Molded Case

1/4" AND 3/8" DRIVE RBRT™ SOCKETS SETS





SSMXH16RBRT

16-PC. 1/4" AND 3/8" DRIVE ADVANCED STUBBY SAE/METRIC HEX DRIVER SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SSMXH16RBRT	16-Pc. 1/4" and 3/8" Drive Advanced Stubby SAE/Metric He	ex Driver Set	
MSSH04RBRTBS	1/4" Drive Advanced Stubby Hex Driver 1/8"	20mm	•
MSSH05RBRTBS	1/4" Drive Advanced Stubby Hex Driver 5/32"	20mm	•
MSSH06RBRTBS	1/4" Drive Advanced Stubby Hex Driver 3/16"	20mm	•
MSSH07RBRTBS	1/4" Drive Advanced Stubby Hex Driver 7/32"	20mm	•
XSSH08RBRTBS	3/8" Drive Advanced Stubby Hex Driver 1/4"	20mm	•
XSSH10RBRTBS	3/8" Drive Advanced Stubby Hex Driver 5/16"	20mm	•
XSSH12RBRTBS	3/8" Drive Advanced Stubby Hex Driver 3/8"	20mm	•
MSSH4MMRBRT	1/4" Drive Advanced Stubby Hex Driver 4mm	20mm	•
MSSH5MMRBRT	1/4" Drive Advanced Stubby Hex Driver 5mm	20mm	•
MSSH6MMRBRT	1/4" Drive Advanced Stubby Hex Driver 6mm	20mm	•
XSSH7MMRBRT	3/8" Drive Advanced Stubby Hex Driver 7mm	20mm	•
XSSH8MMRBRT	3/8" Drive Advanced Stubby Hex Driver 8mm	20mm	•
XSSH9MMRBRT	3/8" Drive Advanced Stubby Hex Driver 9mm	20mm	•
XSSH10MMRBRT	3/8" Drive Advanced Stubby Hex Driver 10mm	20mm	•
XSSH11MMRBRT	3/8" Drive Advanced Stubby Hex Driver 11mm	20mm	•
XSSH12MMRBRT	3/8" Drive Advanced Stubby Hex Driver 12mm	20mm	•

SXLH14RBRT 14-PC. 3/8" DRIVE ADVANCED LONG SAE/METRIC HEX DRIVER SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SXLH14RBRT	14-Pc. 3/8" Drive Advanced Long SAE/Metric Hex Driver Se	et	
XLH04RBRT	3/8" Drive Advanced Long Hex Driver 1/8"	177mm	•
XLH05RBRT	3/8" Drive Advanced Long Hex Driver 5/32"	177mm	•
XLHOGRBRT	3/8" Drive Advanced Long Hex Driver 3/16"	177mm	•
XLH07RBRT	3/8" Drive Advanced Long Hex Driver 7/32"	177mm	•
XLH08RBRT	3/8" Drive Advanced Long Hex Driver 1/4"	177mm	•
XLH10RBRT	3/8" Drive Advanced Long Hex Driver 5/16"	177mm	•
XLH12RBRT	3/8" Drive Advanced Long Hex Driver 3/8"	177mm	•
XLH4MMRBRT	3/8" Drive Advanced Long Hex Driver 4mm	177mm	•
XLH5MMRBRT	3/8" Drive Advanced Long Hex Driver 5mm	177mm	•
XLH6MMRBRT	3/8" Drive Advanced Long Hex Driver 6mm	177mm	•
XLH7MMRBRT	3/8" Drive Advanced Long Hex Driver 7mm	177mm	•
XLH8MMRBRT	3/8" Drive Advanced Long Hex Driver 8mm	17 mm	•
XLH9MMRBRT	3/8" Drive Advanced Long Hex Driver 9mm	177mm	•
XLH10MMRBRT	3/8" Drive Advanced Long Hex Driver 10mm	177mm	•

1/4", 3/8" AND 1/2" DRIVE RBRT™ SOCKETS SETS

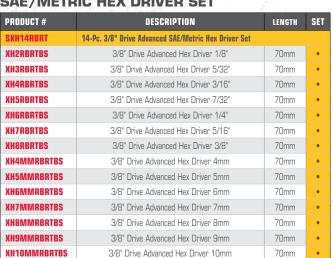


SMH17RBRT 17-PC. 1/4" DRIVE ADVANCED SAE/METRIC HEX DRIVER SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SMH17RBRT	17-Pc. 1/4" Drive Advanced SAE/Metric Hex Driver Set		
MH2RBRTBS	1/4" Drive Advanced Hex Driver 1/16"	70mm	•
MH2.5RBRTBS	1/4" Drive Advanced Hex Driver 5/64"	70mm	•
MH3RBRTS	1/4" Drive Advanced Hex Driver 3/32"	70mm	•
MH3.5RBTBS	1/4" Drive Advanced Hex Driver 7/64"	70mm	•
MH4RBRTBS	1/4" Drive Advanced Hex Driver 1/8"	70mm	•
MH4.5RBRTBS	1/4" Drive Advanced Hex Driver 9/64"	70mm	•
MH5RBTBS	1/4" Drive Advanced Hex Driver 5/32"	70mm	•
MHGRBRTBS	1/4" Drive Advanced Hex Driver 3/16"	70mm	•
MH7RBRTBS	1/4" Drive Advanced Hex Driver 7/32"	70mm	•
MH8RBRTBS	1/4" Drive Advanced Hex Driver 1/4"	70mm	•
MH1.5MMRBRTBS	1/4" Drive Advanced Hex Driver 1.5mm	70mm	•
MH2MMRBRTBS	1/4" Drive Advanced Hex Driver 2mm	70mm	•
MH2.5MMRBRTBS	1/4" Drive Advanced Hex Driver 2.5mm	70mm	•
MH3MMRBRTBS	1/4" Drive Advanced Hex Driver 3mm	70mm	•
MH4MMRBRTBS	1/4" Drive Advanced Hex Driver 4mm	70mm	•
MH5MMRBRTBS	1/4" Drive Advanced Hex Driver 5mm	70mm	•
MH6MMRBRTBS	1/4" Drive Advanced Hex Driver 6mm	70mm	•



SXH14RBRT 14-PC. 3/8" DRIVE ADVANCED SAE/METRIC HEX DRIVER SET





14-PC. 1/2" DRIVE ADVANCED SAE/METRIC HEX DRIVER SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SVH14RBRT	14-Pc. 1/2" Drive Advanced SAE/Metric Hex Driver Set		
VSH1332RBRTBS	1/2" Drive Advanced Hex Driver 13/32"	70mm	•
VSH716RBRTBS	1/2" Drive Advanced Hex Driver 7/16"	70mm	•
VSH12RBRTBS	1/2" Drive Advanced Hex Driver 1/2"	70mm	•
VSH916RBRTBS	1/2" Drive Advanced Hex Driver 9/16"	70mm	•
VSH58RBRTBS	1/2" Drive Advanced Hex Driver 5/8"	70mm	•
VSH1116RBRTBS	1/2" Drive Advanced Hex Driver 11/16"	70mm	•
VSH34RBRTBS	1/2" Drive Advanced Hex Driver 3/4"	70mm	•
VSH11MMRBRTBS	1/2" Drive Advanced Hex Driver 11mm	70mm	•
VSH12MMRBRTBS	1/2" Drive Advanced Hex Driver 12mm	70mm	•
VSH13MMRBRTBS	1/2" Drive Advanced Hex Driver 13mm	70mm	•
VSH14MMRBRTBS	1/2" Drive Advanced Hex Driver 14mm	70mm	•
VSH15MMRBRTBS	1/2" Drive Advanced Hex Driver 15mm	70mm	•
VSH17MMRBRTBS	1/2" Drive Advanced Hex Driver 17mm	70mm	•
VSH19MMRBRTBS	1/2" Drive Advanced Hex Driver 19mm	70mm	•

3/8" DRIVE RBRT HEX DRIVER SETS



SXMHS7RBRT

7-PC. 3/8" DRIVE ADVANCED. **METRIC SHORT HEX DRIVER SET**

PRODUCT #	DESCRIPTION	LENGTH	SET
SXMHS7RBRT	7-Pc. 3/8" Drive Advanced Meteric Short Hex Driver Set		
XH4MMSRBRTBS	3/8" Drive Advanced Short Hex Driver 4mm	48mm	•
XH5MMSRBRTBS	3/8" Drive Advanced Short Hex Driver 5mm	48mm	•
XH6MMSRBRTBS	3/8" Drive Advanced Short Hex Driver 6mm	48mm	•
XH7MMSRBRTBS	3/8" Drive Advanced Short Hex Driver 7mm	48mm	•
XH8MMSRBRTBS	3/8" Drive Advanced Short Hex Driver 8mm	48mm	•
XH9MMSRBRTBS	3/8" Drive Advanced Short Hex Driver 9mm	48mm	•
XH10MMSRBRTBS	3/8" Drive Advanced Short Hex Driver 10mm	48mm	•



SXHS7RBRT

7-PC. 3/8" DRIVE ADVANCED **SAE HEX DRIVER SET**

PRODUCT #	DESCRIPTION	LENGTH	SET
SXHS7RBRT	7-Pc. 3/8" Drive Advanced Sae Hex Driver Set		
XH2SRBRTBS	3/8" Drive Advanced Short Hex Driver 1/8"	48mm	•
XH3SRBRTBS	3/8" Drive Advanced Short Hex Driver 5/32"	48mm	•
XH4SRBRTBS	3/8" Drive Advanced Short Hex Driver 3/16"	48mm	•
XH5SRBRTBS	3/8" Drive Advanced Short Hex Driver 7/32"	48mm	•
XH6SRBRTBS	3/8" Drive Advanced Short Hex Driver 1/4"	48mm	•
XH7SRBRTBS	3/8" Drive Advanced Short Hex Driver 5/16"	48mm	•
XH8SRBRTBS	3/8" Drive Advanced Short Hex Driver 3/8"	48mm	•



SXMH7RBRT

7-PC. 3/8" DRIVE ADVANCED **METRIC HEX DRIVER SET**

PRODUCT #	DESCRIPTION	LENGTH	SET
SXMH7RBRT	7-Pc. 3/8" Drive Advanced Metric Hex Driver Set		
XH4MMRBRTBS	3/8" Drive Advanced Hex Driver 4mm	70mm	•
XH5MMRBRTBS	3/8" Drive Advanced Hex Driver 5mm	70mm	•
XH6MMRBRTBS	3/8" Drive Advanced Hex Driver 6mm	70mm	•
XH7MMRBRTBS	3/8" Drive Advanced Hex Driver 7mm	70mm	•
XH8MMRBRTBS	3/8" Drive Advanced Hex Driver 8mm	70mm	•
XH9MMRBRTBS	3/8" Drive Advanced Hex Driver 9mm	70mm	•
XH10MMRBRTBS	3/8" Drive Advanced Hex Driver 10mm	70mm	•



SXH7RBRT

7-PC. 3/8" DRIVE ADVANCED **SAE HEX DRIVER SET**

PRODUCT #	DESCRIPTION	LENGTH	SET
SXH7RBRT	7-Pc. 3/8" Drive Advanced Sae Hex Driver Set		
XH2SRBRTS	3/8" Drive Advanced Short Hex Driver 1/8"	48mm	•
XH3SRBRTS	3/8" Drive Advanced Short Hex Driver 5/32"	48mm	•
XH4SRBRTS	3/8" Drive Advanced Short Hex Driver 3/16"	48mm	•
XH5SRBRTS	3/8" Drive Advanced Short Hex Driver 7/32"	48mm	•
XH6SRBRTS	3/8" Drive Advanced Short Hex Driver 1/4"	48mm	•
XH7SRBRTS	3/8" Drive Advanced Short Hex Driver 5/16"	48mm	•
XH8SRBRTS	3/8" Drive Advanced Short Hex Driver 3/8"	48mm	•

3/8" DRIVE RBRT" SPEED HEX DRIVER SETS



SXSH14RBRT

14-PC. 3/8" DRIVE ADVANCED SAE/METRIC SPEED HEX DRIVER SET

-			
PRODUCT #	DESCRIPTION	LENGTH	SET
SXSH14RBRT	14-Pc. 3/8" Drive Advanced SAE/Metric Speed Hex Driver S	et	
XSH2RBRTBS	3/8" Drive Advanced Speed Hex Driver 1/8"	70mm	•
XSH3RBRTBS	3/8" Drive Advanced Speed Hex Driver 5/32"	70mm	•
XSH4RBRTBS	3/8" Drive Advanced Speed Hex Driver 3/16"	70mm	•
XSH5RBRTBS	3/8" Drive Advanced Speed Hex Driver 7/32"	70mm	•
XSHGRBRTBS	3/8" Drive Advanced Speed Hex Driver 1/4"	70mm	•
XSH7RBRTBS	3/8" Drive Advanced Speed Hex Driver 5/16"	70mm	•
XSH8RBRTBS	3/8" Drive Advanced Speed Hex Driver 3/8"	70mm	•
XSH3MMRBRTBS	3/8" Drive Advanced Speed Hex Driver 4mm	70mm	•
XSH4MMRBRTBS	3/8" Drive Advanced Speed Hex Driver 5mm	70mm	•
XSH5MMRBRTBS	3/8" Drive Advanced Speed Hex Driver 6mm	70mm	•
XSH6MMRBRTBS	3/8" Drive Advanced Speed Hex Driver 7mm	70mm	•
XSH7MMRBRTBS	3/8" Drive Advanced Speed Hex Driver 8mm	70mm	•
XSH8MMRBRTBS	3/8" Drive Advanced Speed Hex Driver 9mm	70mm	•
XSH9MMRBRTBS	3/8" Drive Advanced Speed Hex Driver 10mm	70mm	•



SXSHLM7RBRT

7-PC. 3/8" DRIVE ADVANCED LONG METRIC SPEED HEX DRIVER SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SXSHLM7RBRT	7-Pc. 3/8" Drive Advanced Long Metric Speed Hex Driver S	et	
XSH3MMLRBRTBS	3/8" Drive Advanced Long Speed Hex Driver 4mm	155mm	•
XSH4MMLRBRTBS	3/8" Drive Advanced Long Speed Hex Driver 5mm	155mm	•
XSH5MMLRBRTBS	3/8" Drive Advanced Long Speed Hex Driver 6mm	155mm	•
XSH6MMLRBRTBS	3/8" Drive Advanced Long Speed Hex Driver 7mm	155mm	•
XSH7MMLRBRTBS	3/8" Drive Advanced Long Speed Hex Driver 8mm	155mm	•
XSH8MMLRBRTBS	3/8" Drive Advanced Long Speed Hex Driver 9mm	155mm	•
XSH9MMLRBRTBS	3/8" Drive Advanced Long Speed Hex Driver 10mm	155mm	•



SXSHL7RBRT

7-PC. 3/8" DRIVE ADVANCED LONG SAE SPEED HEX DRIVER SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SXSHL7RBRT	7-Pc. 3/8" Drive Advanced Long Sae Speed Hex Driver Set		
XSH2LRBRTBS	3/8" Drive Advanced Long Speed Hex Driver 1/8"	155mm	•
XSH3LRBRTBS	3/8" Drive Advanced Long Speed Hex Driver 5/32"	155mm	•
XSH4LRBRTBS	3/8" Drive Advanced Long Speed Hex Driver 3/16"	155mm	•
XSH5LRBRTBS	3/8" Drive Advanced Long Speed Hex Driver 7/32"	155mm	•
XSH6LRBRTBS	3/8" Drive Advanced Long Speed Hex Driver 1/4"	155mm	•
XSH7LRBRTBS	3/8" Drive Advanced Long Speed Hex Driver 5/16"	155mm	•
XSH8LRBRTBS	3/8" Drive Advanced Long Speed Hex Driver 3/8"	155mm	•

3/8" DRIVER SETS



SXHP14RBRT

14-PC. 3/8" DRIVE ADVANCED SAE/METRIC IMPACT HEX DRIVER SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SXHP14RBRT	14-Pc. 3/8" Drive Advanced Impact Hex Driver Set		
XH04PRBRTBS	3/8" Drive Advanced Impact Hex Driver 1/8"	50mm	•
XH05PRBRTBS	3/8" Drive Advanced Impact Hex Driver 5/32"	50mm	•
XH06PRBRTBS	3/8" Drive Advanced Impact Hex Driver 3/16"	50mm	•
XH07PRBRTBS	3/8" Drive Advanced Impact Hex Driver 7/32"	50mm	•
XH08PRBRTBS	3/8" Drive Advanced Impact Hex Driver 1/4"	50mm	•
XH10PRBRTBS	3/8" Drive Advanced Impact Hex Driver 5/16"	50mm	•
XH12PRBRTBS	3/8" Drive Advanced Impact Hex Driver 3/8"	50mm	•
XH4MMPRBRTBS	3/8" Drive Advanced Impact Hex Driver 4mm	50mm	•
XH5MMPRBRTBS	3/8" Drive Advanced Impact Hex Driver 5mm	50mm	•
XH6MMPRBRTBS	3/8" Drive Advanced Impact Hex Driver 6mm	50mm	•
XH7MMPRBRTBS	3/8" Drive Advanced Impact Hex Driver 7mm	50mm	•
XH8MMPRBRTBS	3/8" Drive Advanced Impact Hex Driver 8mm	50mm	•
XH10MMPRBRTBS	3/8" Drive Advanced Impact Hex Driver 10mm	50mm	•
XH12MMPRBRTBS	3/8" Drive Advanced Impact Hex Driver 12mm	50mm	•



SXHLP14RBRT

14-PC. 3/8" DRIVE ADVANCED LONG SAE/METRIC IMPACT HEX DRIVER SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SXHLP14RBRT	14-Pc. 3/8" Drive Advanced Long Impact Hex Driver Set		
XH04LPBRTBS	3/8" Drive Advanced Long Impact Hex Driver 1/8"	78mm	•
XHO5LPBRTBS	3/8" Drive Advanced Long Impact Hex Driver 5/32"	78mm	•
XHOGLPBRTBS	3/8" Drive Advanced Long Impact Hex Driver 3/16"	78mm	•
XH07LPBRTBS	3/8" Drive Advanced Long Impact Hex Driver 7/32"	78mm	•
XH08LPBRTBS	3/8" Drive Advanced Long Impact Hex Driver 1/4"	78mm	•
XH10LPBRTBS	3/8" Drive Advanced Long Impact Hex Driver 5/16"	78mm	•
XH12LPBRTBS	3/8" Drive Advanced Long Impact Hex Driver 3/8"	78mm	•
XH4MMLPRBRTBS	3/8" Drive Advanced Long Impact Hex Driver 4mm	78mm	•
XH5MMLPRBRTBS	3/8" Drive Advanced Long Impact Hex Driver 5mm	78mm	•
XH6MMLPRBRTBS	3/8" Drive Advanced Long Impact Hex Driver 6mm	78mm	•
XH7MMLPRBRTBS	3/8" Drive Advanced Long Impact Hex Driver 7mm	78mm	•
XH8MMLPRBRTBS	3/8" Drive Advanced Long Impact Hex Driver 8mm	78mm	•
XH10MMLPRBRTBS	3/8" Drive Advanced Long Impact Hex Driver 10mm	78mm	•
XH12MMLPRBRTBS	3/8" Drive Advanced Long Impact Hex Driver 12mm	78mm	•

SVXMTS12RBRT

12-PC. ADVANCED TRIPLE SQUARE SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SVXMTS12RBRT	12-Pc. Advanced Triple Square Set		
MTS4MMRBRT	1/4" Drive Advanced Triple Square M4	37mm	•
MTS5MMRBRT	1/4" Drive Advanced Triple Square M5	37mm	•
MTS6MMRBRT	1/4" Drive Advanced Triple Square M6	37mm	•
XTS7MMRBRT	3/8" Drive Advanced Triple Square M7	48mm	•
XTS8MMRBRT	3/8" Drive Advanced Triple Square M8	48mm	•
XTS9MMRBRT	3/8" Drive Advanced Triple Square M9	48mm	•
XTS10MMRBRT	3/8" Drive Advanced Triple Square M10	48mm	•
XTS12MMRBRT	3/8" Drive Advanced Triple Square M12	48mm	•
XTS13MMRBRT	3/8" Drive Advanced Triple Square M13	48mm	•
XTS14MMRBRT	3/8" Drive Advanced Triple Square M14	48mm	•
VTS16MMRBRT	1/2" Drive Advanced Triple Square M16	55mm	•
VTS18MMRBRT	1/2" Drive Advanced Triple Square M18	55mm	•



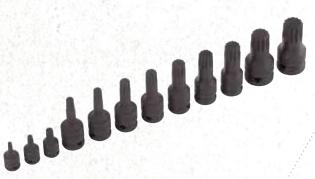


RBRT™ TRIPLE SQUARE SETS

SVXMLTS12RBRT

12-PC. ADVANCED LONG TRIPLE SQUARE SET

	· ·		
PRODUCT #	DESCRIPTION	LENGTH	SET
SVXMLTS12RBRT	12-Pc. Advanced Long Triple Square Set		
MLTS4MMRBRT	1/4" Drive Advanced Long Triple Square M4	155mm	•
MLTS5MMRBRT	1/4" Drive Advanced Long Triple Square M5	155mm	•
MLTSGMMRBRT	1/4" Drive Advanced Long Triple Square M6	155mm	•
XLTS7MMRBRT	3/8" Drive Advanced Long Triple Square M7	155mm	•
XLTS8MMRBRT	3/8" Drive Advanced Long Triple Square M8	155mm	•
XLTS9MMRBRT	3/8" Drive Advanced Long Triple Square M9	155mm	•
XLTS10MMRBRT	3/8" Drive Advanced Long Triple Square M10	155mm	•
XLTS12MMRBRT	3/8" Drive Advanced Long Triple Square M12	155mm	•
XLTS13MMRBRT	3/8" Drive Advanced Long Triple Square M13	155mm	•
XLTS14MMRBRT	3/8" Drive Advanced Long Triple Square M14	155mm	•
XLTS16MMRBRT	1/2" Drive Advanced Long Triple Square M16	155mm	•
XLTS18MMRBRT	1/2" Drive Advanced Long Triple Square M18	155mm	•



SVXMPTS12RBRT 12-PC. ADVANCED IMPACT TRIPLE SQUARE SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SVXMPTS12RBRT	12-Pc. Advanced Impact Triple Square Set		
MTPS4MMRBRT	1/4" Drive Advanced Triple Square M4	37mm	•
MTPS5MMRBRT	1/4" Drive Advanced Triple Square M5	37mm	•
MTPS6MMRBRT	1/4" Drive Advanced Triple Square M6	37mm	•
XTPS7MMRBRT	3/8" Drive Advanced Triple Square M7	48mm	•
XTPS8MMRBRT	3/8" Drive Advanced Triple Square M8	48mm	•
XTPS9MMRBRT	3/8" Drive Advanced Triple Square M9	48mm	•
XTPS10MMRBRT	3/8" Drive Advanced Triple Square M10	48mm	•
XTPS12MMRBRT	3/8" Drive Advanced Triple Square M12	48mm	•
XTPS13MMRBRT	3/8" Drive Advanced Triple Square M13	48mm	•
XTPS14MMRBRT	3/8" Drive Advanced Triple Square M14	48mm	•
VTPS16MMRBRT	1/2" Drive Advanced Triple Square M16	55mm	•
VTPS18MMRBRT	1/2" Drive Advanced Triple Square M18	55mm	•



SVXMLPTS12RBRT 12-PC. ADVANCED LONG IMPACT TRIPLE SQUARE SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SVXMLPTS12RBRT	12-Pc. Advanced Long Impact Triple Square Set		
MPLTS4MMRBRT	1/4" Drive Advanced Impact Long Triple Square M4	27mm	•
MPLTS5MMRBRT	1/4" Drive Advanced Impact Long Triple Square M5	27mm	•
MPLTSGMMRBRT	1/4" Drive Advanced Impact Long Triple Square M6	27mm	•
XPLTS7MMRBRT	3/8" Drive Advanced Impact Long Triple Square M7	78mm	•
XPLTS8MMRBRT	3/8" Drive Advanced Impact Long Triple Square M8	78mm	•
XPLTS9MMRBRT	3/8" Drive Advanced Impact Long Triple Square M9	78mm	•
XPLTS10MMRBRT	3/8" Drive Advanced Impact Long Triple Square M10	78mm	•
XPLTS12MMRBRT	3/8" Drive Advanced Impact Long Triple Square M12	78mm	•
XPLTS13MMRBRT	3/8" Drive Advanced Impact Long Triple Square M13	78mm	•
XPLTS14MMRBRT	3/8" Drive Advanced Impact Long Triple Square M14	78mm	•
VPLTS16MMRBRT	1/2" Drive Advanced Impact Long Triple Square M16	78mm	•
VPLTS18MMRBRT	1/2" Drive Advanced Impact Long Triple Square M18	78mm	•

RBRTT EXTRACTOR SETS





SXE7RBET (NOT SHOWN)

7-PC. STANDARD RBRT EXTRACTOR SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SXLE7RBRT	7-Pc. Standard RBRT Extractor Set		
EX1RBRT	#1 Extractor	70mm	•
EX2RBRT	#2 Extractor	70mm	•
EX3RBRT	#3 Extractor	70mm	•
EX4RBRT	#4 Extractor	70mm	•
EX5RBRT	#5 Extractor	70mm	•
EXGRBRT	#6 Extractor	70mm	•
EX7RBRT	#7 Extractor	70mm	•

SXE7RBRTFOR

7-PC. STANDARD RBRT EXTRACTOR SET WITH F.O.R.

PRODUCT #	DESCRIPTION	LENGTH	SET
SXE7RBRTFOR	7-Pc. Standard RBRT Extractor Set with FOR		
EX1RBRTFOR	RBRT FOR Extractor #1	70mm	•
EX2RBRTFOR	RBRT FOR Extractor #2	70mm	•
EX3RBRTFOR	RBRT FOR Extractor #3	70mm	•
EX4RBRTFOR	RBRT FOR Extractor #4	70mm	•
EX5RBRTFOR	RBRT FOR Extractor #5	70mm	•
EXGRBRTFOR	RBRT FOR Extractor #6	70mm	•
EX7RBRTFOR	RBRT FOR Extractor #7	70mm	•

SXLE4RBRT

4-PC. LONG RBRT EXTRACTOR SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SXLE4RBRT	4-Pc. Long RBRT Extractor Set		
EXL4RBRT	#4 6" Extractor	155mm	•
EXL5RBRT	#5 6" Inch Extractor	155mm	•
EXLGRBRT	#6 6" Inch Extractor	155mm	•
EXL7RBRT	#7 6" Inch Extractor	155mm	•

1/4" DRIVE RBRT™ EXTRACTOR SETS WITH F.O.R.



SMPEX9RBRT

9-PC. 1/4" DRIVE SAE IMPACT RBRT EXTRACTOR SOCKET SET WITH F.O.R.

PRODUCT #	DESCRIPTION	LENGTH	SET
SMPEX9RBRT	9-Pc. 1/4" Drive SAE Impact RBRT Extractor Socket Set wit	th FOR	
MPEXOGRBRT	3/16" RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MPEXO7RBRT	7/32" RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MPEXO8RBRT	1/4" RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MPEXO9RBRT	9/32" RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MPEX10RBRT	5/16" RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MPEX11RBRT	11/32" RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MPEX12RBRT	3/8" RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MPEX14RBRT	7/16" RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MPEX16RBRT	1/2" RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MEPUSHRBRTFOR	M3.5 1/4" Drive Socket Pusher	55mm	•
WIEPUSNKBKIFUK	M6 1/4" Drive Socket Pusher	55mm	•



SMMPEX9RBRT

9-PC. 1/4" DRIVE METRIC IMPACT RBRT EXTRACTOR SOCKET SET WITH F.O.R.

PRODUCT #	DESCRIPTION	LENGTH	SET
SMMPEX9RBRT	9-Pc. 1/4" Drive Metric Impact RBRT Extractor Socket S	et with FOR	
MMPEX4RBRT	4mm RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MMPEX5RBRT	5mm RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MMPEX6RBRT	6mm RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MMPEX7RBRT	7mm RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MMPEX8RBRT	8mm RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MMPEX9RBRT	9mm RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MMPEX10RBRT	10mm RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MMPEX11RBRT	11mm RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MMPEX12RBRT	12mm RBRT FOR Extractor Socket 1/4" Drive	35mm	•
MEPUSHRBRTFOR	M3.5 1/4" Drive Socket Pusher	55mm	•
WEPUSHKBKIFUK	M6 1/4" Drive Socket Pusher	55mm	•



SMDPEX9RBRT

9-PC. 1/4" DRIVE SAE DEEP IMPACT RBRT EXTRACTOR SOCKET SET WITH F.O.R.

PRODUCT #	DESCRIPTION	LENGTH	SET
SMDPEX9RBRT	9-Pc. 1/4" Drive SAE Impact RBRT Extractor Socket Set wit	th FOR (Deep)	
MDPEXOGRBRT	3/16" RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MDPEXO7RBRT	7/32" RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MDPEX08RBRT	1/4" RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MDPEXO9RBRT	9/32" RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MDPEX10RBRT	5/16" RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MDPEX11RBRT	11/32" RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MDPEX12RBRT	3/8" RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MDPEX14RBRT	7/16" RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MDPEX16RBRT	1/2" RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MEDPUSHRBRTFOR	M3.5 1/4" Drive Deep Socket Pusher	85mm	•
MEDPOSHRBRIFUR	M6 1/4" Drive Deep Socket Pusher	85mm	•



SMMDPEX9RBRT

9-PC. 1/4" DRIVE METRIC DEEP IMPACT RBRT EXTRACTOR SOCKET SET WITH F.O.R.

PRODUCT #	DESCRIPTION	LENGTH	SET
SMMDPEX9RBRT	9-Pc. 1/4" Drive Metric Impact RBRT Extractor Socket Set	with FOR (Dec	ep)
MMDPEX4RBRT	4mm RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MMDPEX5RBRT	5mm RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MMDPEXGRBRT	6mm RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MMDPEX7RBRT	7mm RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MMDPEX8RBRT	8mm RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MMDPEX9RBRT	9mm RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MMDPEX10RBRT	10mm RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MMDPEX11RBRT	11mm RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MMDPEX12RBRT	12mm RBRT FOR Deep Extractor Socket 1/4" Drive	60mm	•
MEDPUSHRBRTFOR	M3.5 1/4" Drive Deep Socket Pusher	85mm	•
INIEDPOSAKBKITUK	M6 1/4" Drive Deep Socket Pusher	85mm	•

S/8" D?//= RBRT" EXTRACTOR SETS WITH F.O.R.



SXPEX5RBRT

5-PC. 3/8" DRIVE SAE IMPACT RBRT EXTRACTOR SOCKET SET WITH F.O.R.

PRODUCT #	DESCRIPTION	LENGTH	SET	
SXPEX5RBRT	5-Pc. 3/8" Drive SAE Impact RBRT Extractor Socket Set wit	th FOR		
XPEX14RBRT	7/16" RBRT FOR Extractor Socket 3/8" Drive	35mm	•	
XPEX16RBRT	1/2" RBRT FOR Extractor Socket 3/8" Drive	35mm	•	
XPEX18RBRT	9/16" RBRT FOR Extractor Socket 3/8" Drive	35mm	•	
XPEX2ORBRT	5/8" RBRT FOR Extractor Socket 3/8" Drive	38mm	•	l
XPEX22RBRT	11/16" RBRT FOR Extractor Socket 3/8" Drive	38mm	•	l
XEPUSHRBRTFOR	M9 3/8" Drive Socket Pusher	55mm	•	



SXMPEX8RBRT

8-PC. 3/8" DRIVE METRIC IMPACT
RBRT EXTRACTOR SOCKET SET WITH F.O.R.

PRODUCT #	DESCRIPTION	LENGTH	SET
SXMPEX8RBRT	8-Pc. 3/8" Drive Metric Impact RBRT Extractor Socket Set	with FOR	
XPMEX11RBRT	11mm RBRT FOR Extractor Socket 3/8" Drive	35mm	•
XPMEX12RBRT	12mm RBRT FOR Extractor Socket 3/8" Drive	35mm	•
XPMEX13RBRT	13mm RBRT FOR Extractor Socket 3/8" Drive	35mm	•
XPMEX14RBRT	14mm RBRT FOR Extractor Socket 3/8" Drive	35mm	•
XPMEX15RBRT	15mm RBRT FOR Extractor Socket 3/8" Drive	35mm	•
XPMEX16RBRT	16mm RBRT FOR Extractor Socket 3/8" Drive	35mm	•
XPMEX17RBRT	17mm RBRT FOR Extractor Socket 3/8" Drive	35mm	•
XPMEX18RBRT	18mm RBRT FOR Extractor Socket 3/8" Drive	35mm	•
XEPUSHRBRTFOR	M9 3/8" Drive Socket Pusher	55mm	•



SXDPEX5RBRT

5-PC. 3/8" DRIVE SAE DEEP IMPACT RBRT EXTRACTOR SOCKET SET WITH F.O.R.

PRODUCT #	DESCRIPTION	LENGTH	SET
SXDPEX5RBRT	5-Pc. 3/8" Drive SAE Deep Impact RBRT Extractor Socket S	et with FOR	
XPDEX14RBRT	7/16" RBRT FOR Deep Extractor Socket 3/8" Drive	70mm	•
XPDEX16RBRT	1/2" RBRT FOR Deep Extractor Socket 3/8" Drive	70mm	•
XPDEX18RBRT	9/16" RBRT FOR Deep Extractor Socket 3/8" Drive	70mm	•
XPDEX20RBRT	5/8" RBRT FOR Deep Extractor Socket 3/8" Drive	70mm	•
XPDEX22RBRT	11/16" RBRT FOR Deep Extractor Socket 3/8" Drive	70mm	•
XEDPUSHRBRTFOR	M9 3/8" Drive Deep Socket Pusher	85mm	•



SXMDPEX8RBRT

8-PC. 3/8" DRIVE METRIC DEEP IMPACT RBRT EXTRACTOR SOCKET SET WITH F.O.R.

PRODUCT #	DESCRIPTION	LENGTH	SET
SXMDPEX8RBRT	8-Pc. 3/8" Drive Metric Impact RBRT Extractor Socket Set	with FOR	
XPDMEX11RBRT	11mm RBRT FOR Deep Extractor Socket 3/8" Drive	70mm	•
XPDMEX12RBRT	12mm RBRT FOR Deep Extractor Socket 3/8" Drive	70mm	•
XPDMEX13RBRT	13mm RBRT FOR Deep Extractor Socket 3/8" Drive	70mm	•
XPDMEX14RBRT	14mm RBRT FOR Deep Extractor Socket 3/8" Drive	70mm	•
XPDMEX15RBRT	15mm RBRT FOR Deep Extractor Socket 3/8" Drive	70mm	•
XPDMEX16RBRT	16mm RBRT FOR Deep Extractor Socket 3/8" Drive	70mm	•
XPDMEX17RBRT	17mm RBRT FOR Deep Extractor Socket 3/8" Drive	70mm	•
XPDMEX18RBRT	18mm RBRT FOR Deep Extractor Socket 3/8" Drive	70mm	•
XEDPUSHRBRTFOR	M9 3/8" Drive Deep Socket Pusher	85mm	•

AND SINE RESTRICTION SETS WITH F.O.R.



SVPEX5RBRT

5-PC. 1/2" DRIVE SAE IMPACT RBRT EXTRACTOR SOCKET SET WITH F.O.R.

PRODUCT #	DESCRIPTION	LENGTH	SET
SVPEX5RBRT	5-Pc. 1/2" Drive SAE Impact RBRT Extractor Socket Set with FOR		
VPEX24RBRT	3/4" RBRT FOR Extractor Socket 1/2" Drive	50mm	•
VPEX26RBRT	13/16" RBRT FOR Extractor Socket 1/2" Drive	50mm	•
VPEX28RBRT	7/8" RBRT FOR Extractor Socket 1/2" Drive	50mm	•
VPEX30RBRT	15/16" RBRT FOR Extractor Socket 1/2" Drive	50mm	•
VPEX32RBRT	1" RBRT FOR Extractor Socket 1/2" Drive	50mm	•
VEPUSHRBRTFOR	M12 1/2" Drive Socket Pusher	75mm	•



SVMPEX7RBRT

7-PC. 1/2" DRIVE METRIC IMPACT RBRT EXTRACTOR SOCKET SET WITH F.O.R.

PRODUCT #	DESCRIPTION	LENGTH	SET
SVMPEX7RBRT	7-Pc. 1/2" Drive Metric Impact RBRT Extractor Socket S	et with FOR	
VPMEX19RBRT	19mm RBRT FOR Extractor Socket 1/2" Drive	50mm	•
VPMEX20RBRT	20mm RBRT FOR Extractor Socket 1/2" Drive	50mm	•
VPMEX21RBRT	21mm RBRT FOR Extractor Socket 1/2" Drive	50mm	•
VPMEX22RBRT	22mm RBRT FOR Extractor Socket 1/2" Drive	50mm	•
VPMEX23RBRT	23mm RBRT FOR Extractor Socket 1/2" Drive	50mm	•
VPMEX24RBRT	24mm RBRT FOR Extractor Socket 1/2" Drive	50mm	•
VPMEX25RBRT	25mm RBRT FOR Extractor Socket 1/2" Drive	50mm	•
VEPUSHRBRTFOR	M12 1/2" Drive Socket Pusher	75mm	•



SVMDPEX7RBRT

7-PC. 1/2" DRIVE METRIC DEEP IMPACT RBRT EXTRACTOR SOCKET SET WITH F.O.R.

PRODUCT #	DESCRIPTION	LENGTH	SET
SVMDPEX7RBRT	5-Pc. 1/2" Drive SAE Deep Impact RBRT Extractor Socket S	et with FOR	
VPDMEX19RBRT	19mm RBRT FOR Deep Extractor Socket 1/2" Drive	80mm	•
VPDMEX20RBRT	20mm RBRT FOR Deep Extractor Socket 1/2" Drive	80mm	•
VPDMEX21RBRT	21mm RBRT FOR Deep Extractor Socket 1/2" Drive	80mm	•
VPDMEX22RBRT	22mm RBRT FOR Deep Extractor Socket 1/2" Drive	80mm	•
VPDMEX23RBRT	23mm RBRT FOR Deep Extractor Socket 1/2" Drive	80mm	•
VPDMEX24RBRT	24mm RBRT FOR Deep Extractor Socket 1/2" Drive	80mm	•
VPDMEX25RBRT	25mm RBRT FOR Deep Extractor Socket 1/2" Drive	80mm	•
VEDPUSHRBRTFOR	M12 1/2" Drive Deep Socket Pusher	105mm	•

RBRTT STAR SETS



SST13RBRT

13-PC. ADVANCED STUBBY STAR SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SST13RBRT	13-Pc. Advance Stubby Star Set		
MST08RBRT	1/4" Drive Advanced Stubby Star T8 Stubby	20mm	•
MST10RBRT	1/4" Drive Advanced Stubby Star T10 Stubby	20mm	•
MST15RBRT	1/4" Drive Advanced Stubby Star T15 Stubby	20mm	•
MST20RBRT	1/4" Drive Advanced Stubby Star T20 Stubby	20mm	•
MST25RBRT	1/4" Drive Advanced Stubby Star T25 Stubby	20mm	•
MST27RBRT	1/4" Drive Advanced Stubby Star T27 Stubby	20mm	•
XST30RBRT	3/8" Drive Advanced Stubby Star T30 Stubby	20mm	•
XST40RBRT	3/8" Drive Advanced Stubby Star T40 Stubby	20mm	•
XST45RBRT	3/8" Drive Advanced Stubby Star T45 Stubby	20mm	•
XST47RBRT	3/8" Drive Advanced Stubby Star T47 Stubby	20mm	•
XST50RBRT	3/8" Drive Advanced Stubby Star T50 Stubby	20mm	•
XST55RBRT	3/8" Drive Advanced Stubby Star T55 Stubby	20mm	•
VST60RBRT	1/2" Drive Advanced Stubby Star T60 Stubby	20mm	•



SLT13RBRT

13-PC. ADVANCED LONG STAR SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SLT13RBRT	13-Pc. Advance Long Star Set		
MLT08RBRT	1/4" Drive Advanced Long Star T8	135mm	•
MLT10RBRT	1/4" Drive Advanced Long Star T10	135mm	•
MLT15RBRT	1/4" Drive Advanced Long Star T15	135mm	•
MLT20RBRT	1/4" Drive Advanced Long Star T20	135mm	•
MLT25RBRT	1/4" Drive Advanced Long Star T25	135mm	•
MLT27RBRT	1/4" Drive Advanced Long Star T27	135mm	•
XLT30RBRT	3/8" Drive Advanced Long Star T30	135mm	•
XLT40RBRT	3/8" Drive Advanced Long Star T40	135mm	•
XLT45RBRT	3/8" Drive Advanced Long Star T45	135mm	•
XLT47RBRT	3/8" Drive Advanced Long Star T47	135mm	•
XLT50RBRT	3/8" Drive Advanced Long Star T50	135mm	•
XLT55RBRT	3/8" Drive Advanced Long Star T55	135mm	•
VLT60RBRT	1/2" Drive Advanced Long Star T60	155mm	•



ST13RBRT

13-PC. ADVANCED STAR SET

PRODUCT #	DESCRIPTION	LENGTH	SET
ST13RBRT	13-Pc. Advance Star Set		
MT08RBRT	1/4" Drive Advanced Star T8	37mm	•
MT10RBRT	1/4" Drive Advanced Star T10	37mm	•
MT15RBRT	1/4" Drive Advanced Star T15	37mm	•
MT20RBRT	1/4" Drive Advanced Star T20	37mm	•
MT25RBRT	1/4" Drive Advanced Star T25	37mm	•
MT27RBRT	1/4" Drive Advanced Star T27	37mm	•
XT30RBRT	3/8" Drive Advanced Star T30	48mm	•
XT40RBRT	3/8" Drive Advanced Star T40	48mm	•
XT45RBRT	3/8" Drive Advanced Star T45	48mm	•
XT47RBRT	3/8" Drive Advanced Star T47	48mm	•
XT50RBRT	3/8" Drive Advanced Star T50	48mm	•
XT55RBRT	3/8" Drive Advanced Star T55	48mm	•
VT60RBRT	1/2" Drive Advanced Star T60	55mm	•

1/2" DRIVE RBRT" IMPACT HEX SETS



14-PC. 1/2" DRIVE ADVANCED IMPACT HEX DRIVER SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SVHP14RBRT	14-Pc. 1/2" Drive Advance Impact Hex Driver Set		
VH14PRBRTBS	1/2" Drive Advanced Impact Hex Driver 7/16	50mm	•
VH16PRBRTBS	1/2" Drive Advanced Impact Hex Driver 1/2	50mm	•
VH18PRBRTBS	1/2" Drive Advanced Impact Hex Driver 9/16	50mm	•
VH20PRBRTBS	1/2" Drive Advanced Impact Hex Driver 5/8	50mm	•
VH22PRBRTBS	1/2" Drive Advanced Impact Hex Driver 11/16	50mm	•
VH24PRBRTBS	1/2" Drive Advanced Impact Hex Driver 3/4	50mm	•
VH26PRBRTBS	1/2" Drive Advanced Impact Hex Driver 13/16	50mm	•
VH13MMPRBRTBS	1/2" Drive Advanced Impact Hex Driver 13	50mm	•
VH14MMPRBRTBS	1/2" Drive Advanced Impact Hex Driver 14	50mm	•
VH15MMPRBRTBS	1/2" Drive Advanced Impact Hex Driver 15	50mm	•
VH16MMPRBRTBS	1/2" Drive Advanced Impact Hex Driver 16	50mm	•
VH17MMPRBRTBS	1/2" Drive Advanced Impact Hex Driver 17	50mm	•
VH18MMPRBRTBS	1/2" Drive Advanced Impact Hex Driver 18	50mm	•
VH19MMPRBRTBS	1/2" Drive Advanced Impact Hex Driver 19	50mm	•



14-PC. 1/2" DRIVE ADVANCED LONG IMPACT HEX DRIVER SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SVHLP14RBRT	14-Pc. 1/2" Drive Advance Long Impact Hex Driver Set		
VH14LPRBRTBS	1/2" Drive Advanced Long Impact Hex Driver 7/16	78mm	•
VH16LPRBRTBS	1/2" Drive Advanced Long Impact Hex Driver 1/2	78mm	•
VH18LPRBRTBS	1/2" Drive Advanced Long Impact Hex Driver 9/16	78mm	•
VH20LPRBRTBS	1/2" Drive Advanced Long Impact Hex Driver 5/8	78mm	•
VH22LPRBRTBS	1/2" Drive Advanced Long Impact Hex Driver 11/16	78mm	•
VH24LPRBRTBS	1/2" Drive Advanced Long Impact Hex Driver 3/4	78mm	•
VH26LPRBRTBS	1/2" Drive Advanced Long Impact Hex Driver 13/16	78mm	•
VH13MMLPRBRTBS	1/2" Drive Advanced Long Impact Hex Driver 13	78mm	•
VH14MMLPRBRTBS	1/2" Drive Advanced Long Impact Hex Driver 14	78mm	•
VH15MMLPRBRTBS	1/2" Drive Advanced Long Impact Hex Driver 15	78mm	•
VH16MMLPRBRTBS	1/2" Drive Advanced Long Impact Hex Driver 16	78mm	•
VH17MMLPRBRTBS	1/2" Drive Advanced Long Impact Hex Driver 17	78mm	•
VH18MMLPRBRTBS	1/2" Drive Advanced Long Impact Hex Driver 18	78mm	•
VH19MMLPRBRTBS	1/2" Drive Advanced Long Impact Hex Driver 19	78mm	•

MULTI DRIVE RBRT STAR DRIVER SETS



SPT10RBRT 10-PC. ADVANCED IMPACT STAR DRIVER SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SPT10RBRT	10-Pc. Advance Impact Star Driver Set		
MPT20RBRT	1/4" Drive Advanced Impact Star T20	27mm	•
MPT25RBRT	1/4" Drive Advanced Impact Star T25	27mm	•
MPT27RBRT	1/4" Drive Advanced Impact Star T27	27mm	•
XPT30RBRT	3/8" Drive Advanced Impact Star T30	40mm	•
XPT40RBRT	3/8" Drive Advanced Impact Star T40	40mm	•
XPT45RBRT	3/8" Drive Advanced Impact Star T45	40mm	•
XPT47RBRT	3/8" Drive Advanced Impact Star T47	40mm	•
XPT50RBRT	3/8" Drive Advanced Impact Star T50	40mm	•
XPT50RBRT	3/8" Drive Advanced Impact Star T55	40mm	•
VPT60RBRT	1/2" Drive Advanced Impact Star T60	50mm	•



STS10RBRT 10-PC. ADVANCED SPEED STAR DRIVER SET

PRODUCT #	DESCRIPTION	LENGTH	SET
STS10RBRT	10-Pc. Advance Speed Star Driver Set		
MSTS10RBRT	1/4" Drive Advanced Speed Star T10	48 mm	•
MSTS15RBRT	1/4" Drive Advanced Speed Star T15	48 mm	•
MSTS20RBRT	1/4" Drive Advanced Speed Star T20	48 mm	•
MSTS25RBRT	1/4" Drive Advanced Speed Star T25	48 mm	•
MSTS27RBRT	1/4" Drive Advanced Speed Star T27	48 mm	•
XSTS30RBRT	3/8" Drive Advanced Speed Star T30	48 mm	•
XSTS40RBRT	3/8" Drive Advanced Speed Star T40	48 mm	•
XSTS45RBRT	3/8" Drive Advanced Speed Star T45	48 mm	•
XSTS47RBRT	3/8" Drive Advanced Speed Star T47	48 mm	
XSTS50RBRT	3/8" Drive Advanced Speed Star T50	48 mm	•
XSTS55RBRT	3/8" Drive Advanced Speed Star T55	48 mm	•



SMXVTP12RBRT 12-PC. ADVANCED STAR PLUS DRIVER SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SMXVTP12RBRT	12-Pc. Advance Star Plus Driver Set		
MTP08RBRT	1/4" Drive Advanced Star Plus IP8	37mm	•
MTP10RBRT	1/4" Drive Advanced Star Plus IP10	37mm	•
MTP15RBRT	1/4" Drive Advanced Star Plus	37mm	•
MTP20RBRT	1/4" Drive Advanced Star Plus IP20	37mm	•
MTP25RBRT	1/4" Drive Advanced Star Plus IP25	37mm	•
MTP27RBRT	1/4" Drive Advanced Star Plus IP27	37mm	•
XTP30RBRT	3/8" Drive Advanced Star Plus IP30	48mm	•
XTP40RBRT	3/8" Drive Advanced Star Plus IP40	48mm	•
XTP45RBRT	3/8" Drive Advanced Star Plus IP45	48mm	•
XTP50RBRT	3/8" Drive Advanced Star Plus IP50	48mm	•
XTP55RBRT	3/8" Drive Advanced Star Plus IP55	48mm	•
VTP60RBRT	1/2" Drive Advanced Star Plus IP60	55mm	•

NASTERS TO REPORT OF SET



STAR AND	EXTRACTOR DRIVER SET	200	495.5
PRODUCT #	DESCRIPTION	LENGTH	SET
SMXVES51RBRT	51-Pc. Master Star and Extractor Driver Set		
MST08RBRT	1/4" Drive Advanced Stubby Star Driver T08	20mm	•
MST10RBRT	1/4" Drive Advanced Stubby Star Driver T10	20mm	•
MST15RBRT	1/4" Drive Advanced Stubby Star Driver T15	20mm	•
MST20RBRT	1/4" Drive Advanced Stubby Star Driver T20	20mm	•
MST25RBRT	1/4" Drive Advanced Stubby Star Driver T25	20mm	•
MST27RBRT	1/4" Drive Advanced Stubby Star Driver T27	20mm	•
XST30RBRT	3/8" Drive Advanced Stubby Star Driver T30	30mm	•
XST40RBRT	3/8" Drive Advanced Stubby Star Driver T40	30mm	•
XST45RBRT	3/8" Drive Advanced Stubby Star Driver T45	30mm	•
XST47RBRT	3/8" Drive Advanced Stubby Star Driver T47	30mm	•
XST50RBRT	3/8" Drive Advanced Stubby Star Driver T50	30mm	•
XST55RBRT	3/8" Drive Advanced Stubby Star Driver T55	30mm	•
VST60RBRT	1/2" Drive Advanced Stubby Star Driver T60	40mm	•
MT06RBRT	1/4" Drive Advanced Star Driver T06	37mm	•
MT08RBRT	1/4" Drive Advanced Star Driver TO8	37mm	•
MT10RBRT	1/4" Drive Advanced Star Driver T10	37mm	•
MT15RBRT	1/4" Drive Advanced Star Driver T15	37mm	•
MT20RBRT	1/4" Drive Advanced Star Driver T20	37mm	•
MT25RBRT	1/4" Drive Advanced Star Driver T25	37mm	•
MT27RBRT	1/4" Drive Advanced Star Driver T27	37mm	•
XT3ORBRT	3/8" Drive Advanced Star Driver T30	48mm	•
XT40RBRT	3/8" Drive Advanced Star Driver T40	48mm	•
XT45RBRT	3/8" Drive Advanced Star Driver T45	48mm	•
XT47RBRT	3/8" Drive Advanced Star Driver T47	48mm	•
XT50RBRT	3/8" Drive Advanced Star Driver T50	48mm	•
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PRODUCT #	DESCRIPTION	LENGTH	SET
XT55RBRT	3/8" Drive Advanced Star Driver T55	48mm	•
VT60RBRT	1/2" Drive Advanced Star Driver T60	55mm	•
VT70RBRT	1/2" Drive Advanced Star Driver T70	70mm	•
VT80RBRT	1/2" Drive Advanced Star Driver T80	70mm	•
VT9ORBRT	1/2" Drive Advanced Star Driver T90	70mm	•
VT100RBRT	1/2" Drive Advanced Star Driver T100	70mm	•
MLT08RBRT	1/4" Drive Advanced Long Star Driver TO8	135mm	•
MLT10RBRT	1/4" Drive Advanced Long Star Driver T10	135mm	•
MLT15RBRT	1/4" Drive Advanced Long Star Driver T15	135mm	•
MLT20RBRT	1/4" Drive Advanced Long Star Driver T20	135mm	•
MLT25RBRT	1/4" Drive Advanced Long Star Driver T25	135mm	•
MLT27RBRT	1/4" Drive Advanced Long Star Driver T27	135mm	•
XLT30RBRT	3/8" Drive Advanced Long Star Driver T30	135mm	•
XLT40RBRT	3/8" Drive Advanced Long Star Driver T40	135mm	•
XLT45RBRT	3/8" Drive Advanced Long Star Driver T45	135mm	•
XLT47RBRT	3/8" Drive Advanced Long Star Driver T47	135 mm	•
XLT50RBRT	3/8" Drive Advanced Long Star Driver T50	135 mm	•
XLT55RBRT	3/8" Drive Advanced Long Star Driver T55	135mm	•
VLT60RBRT	1/2" Drive Advanced Long Star Driver T60	155mm	•
EX1RBRTFOR	R.B.R.T. Extractor #1 With F.O.R.	70mm	•
EX2RBRTFOR	R.B.R.T. Extractor #2 With F.O.R.	70mm	•
EX3RBRTFOR	R.B.R.T. Extractor #3 With F.O.R.	70mm	•
EX4RBRTFOR	R.B.R.T. Extractor #4 With F.O.R.	70mm	•
EX5RBRTFOR	R.B.R.T. Extractor #5 With F.O.R.	70mm	•
EXGRBRTFOR	R.B.R.T. Extractor #6 With F.O.R.	70mm	•
EX7RBRTFOR	R.B.R.T. Extractor #7 With F.O.R.	70mm	•

N/ASTAR SAS RBRTT HEX DRIVER SET



SMXVMH2ORBRT 20-PC. MASTER METRIC HEX DRIVER SET

PRODUCT #	DESCRIPTION	LENGTH	SET
SMXVMH20RBRT	20-Pc. Master Metric Hex Driver Set		
MHS1.5MMRBRTBS	1/4" Drive Advanced Short Hex Driver 1.5	37mm	•
MHS2MMRBRTBS	1/4" Drive Advanced Short Hex Driver 2	37mm	•
MHS2.5MMRBRTBS	1/4" Drive Advanced Short Hex Driver 2.5	37mm	•
MHS3MMRBRTBS	1/4" Drive Advanced Short Hex Driver 3	37mm	•
MHS4MMRBRTBS	1/4" Drive Advanced Short Hex Driver 4	37mm	•
MHS5MMRBRTBS	1/4" Drive Advanced Short Hex Driver 5	37mm	•
XHS6MMRBRTBS	3/8" Drive Advanced Short Hex Driver 6	48mm	•
XHS7MMRBRTBS	3/8" Drive Advanced Short Hex Driver 7	48mm	•
XHS8MMRBRTBS	3/8" Drive Advanced Short Hex Driver 8	48mm	•
XHS9MMRBRTBS	3/8" Drive Advanced Short Hex Driver 9	48mm	•

PRODUCT #	DESCRIPTION	LENGTH	SET
XHS10MMRBRTBS	3/8" Drive Advanced Short Hex Driver 10	48mm	•
VHS11MMRBRTBS	1/2" Drive Advanced Short Hex Driver 11	55mm	•
VHS12MMRBRTBS	1/2" Drive Advanced Short Hex Driver 12	55mm	•
VHS13MMRBRTBS	1/2" Drive Advanced Short Hex Driver 13	55mm	•
VHS14MMRBRTBS	1/2" Drive Advanced Short Hex Driver 14	55mm	•
VHS15MMRBRTBS	1/2" Drive Advanced Short Hex Driver 15	55mm	•
VHS16MMRBRTBS	1/2" Drive Advanced Short Hex Driver 16	55mm	•
VHS17MMRBRTBS	1/2" Drive Advanced Short Hex Driver 17	55mm	•
VHS18MMRBRTBS	1/2" Drive Advanced Short Hex Driver 18	55mm	•
VHS19MMRBRTBS	1/2" Drive Advanced Short Hex Driver 19	55mm	•

attachments should only be used with hand-operated handles.

WASTER SETS RBRT™ HEX AND SPEED DRIVER SET



SXVH40RBRT 40-PC. 3/8" AND 1/2" DRIVE **ADVANCED HEX & SPEED DRIVER SET**

PRODUCT #	DESCRIPTION	LENGTH	SET
SXVH40RBRT	40-Pc. 3/8" and 1/2" Drive Advance Hex and Speed Drive	r Set	
XSH3MMRBRTBS	3/8" Drive Advanced Speed Hex Driver 4	70mm	•
XSH4MMRBRTBS	3/8" Drive Advanced Speed Hex Driver 5	70mm	•
XSH5MMRBRTBS	3/8" Drive Advanced Speed Hex Driver 6	70mm	•
XSH6MMRBRTBS	3/8" Drive Advanced Speed Hex Driver 7	70mm	•
XSH7MMRBRTBS	3/8" Drive Advanced Speed Hex Driver 8	70mm	•
XSH8MMRBRTBS	3/8" Drive Advanced Speed Hex Driver 9	70mm	•
XSH9MMRBRTBS	3/8" Drive Advanced Speed Hex Driver 10	70mm	•
XSH2RBRTBS	3/8" Drive Advanced Speed Hex Driver 1/8"	70mm	•
XSH3RBRTBS	3/8" Drive Advanced Speed Hex Driver 5/32"	70mm	•
XSH4RBRTBS	3/8" Drive Advanced Speed Hex Driver 3/16"	70mm	•
XSH5RBRTBS	3/8" Drive Advanced Speed Hex Driver 7/32"	70mm	•
XSHGRBRTBS	3/8" Drive Advanced Speed Hex Driver 1/4"	70mm	•
XSH7RBRTBS	3/8" Drive Advanced Speed Hex Driver 5/16"	70mm	•
XSH8RBRTBS	3/8" Drive Advanced Speed Hex Driver 3/8"	70mm	•
XH2RBRTBS	3/8" Drive Advanced Hex Driver 1/8"	70mm	•
XH3RBRTBS	3/8" Drive Advanced Hex Driver 5/32"	70mm	•
XH4RBRTBS	3/8" Drive Advanced Hex Driver 3/16"	70mm	•
XH5RBRTBS	3/8" Drive Advanced Hex Driver 7/32"	70mm	•
XHGRBRTBS	3/8" Drive Advanced Hex Driver 1/4"	70mm	•
XH7RBRTBS	3/8" Drive Advanced Hex Driver 5/16"	70mm	•

PRODUCT #	DESCRIPTION	LENGTH	SET
XH8RBRTBS	3/8" Drive Advanced Hex Driver 3/8"	70mm	•
XH4MMRBRTBS	3/8" Drive Advanced Hex Driver 4	70mm	•
XH5MMRBRTBS	3/8" Drive Advanced Hex Driver 5	70mm	•
XH6MMRBRTBS	3/8" Drive Advanced Hex Driver 6	70mm	•
XH7MMRBRTBS	3/8" Drive Advanced Hex Driver 7	70mm	•
XH8MMRBRTBS	3/8" Drive Advanced Hex Driver 8	70mm	•
XH9MMRBRTBS	3/8" Drive Advanced Hex Driver 9	70mm	•
XH10MMRBRTBS	3/8" Drive Advanced Hex Driver 10	70mm	•
VSH11MMRBRTBS	1/2" Drive Advanced Hex Driver 11	70mm	•
VSH12MMRBRTBS	1/2" Drive Advanced Hex Driver 12	70mm	•
VSH13MMRBRTBS	1/2" Drive Advanced Hex Driver 13	70mm	•
VSH14MMRBRTBS	1/2" Drive Advanced Hex Driver 14	70mm	•
VSH15MMRBRTBS	1/2" Drive Advanced Hex Driver 15	70mm	•
VSH17MMRBRTBS	1/2" Drive Advanced Hex Driver 17	70mm	•
VSH19MMRBRTBS	1/2" Drive Advanced Hex Driver 19	70mm	•
VSH12RBRTBS	1/2" Drive Advanced Hex Driver 1/2"	70mm	•
VSH916RBRTBS	1/2" Drive Advanced Hex Driver 9/16"	70mm	•
VSH58RBRTBS	1/2" Drive Advanced Hex Driver 5/8"	70mm	•
VSH1116RBRTBS	1/2" Drive Advanced Hex Driver 11/16"	70mm	•
VSH34RBRTBS	1/2" Drive Advanced Hex Driver 3/4"	70mm	•

FOANS STS





FOAM7E-38SAE 26-PC. 3/8" DRIVE

26-PC. 3/8" DRIVE SAE SOCKET FOAM SET

SAE SUCKE	I FUAIVI SEI		
PRODUCT #	DESCRIPTION	SIZE	SET
FOAM7E-38SAE	26-Pc. 3/8" Drive SAE Socket Foam Set		
X86R	3/8" Drive SAE Socket 6pt	1/4"	•
X96R	3/8" Drive SAE Socket 6pt	9/32"	•
X106R	3/8" Drive SAE Socket 6pt	5/16"	•
X126R	3/8" Drive SAE Socket 6pt	3/8"	•
X146R	3/8" Drive SAE Socket 6pt	7/16"	•
X166R	3/8" Drive SAE Socket 6pt	1/2"	•
X186R	3/8" Drive SAE Socket 6pt	9/16"	•
X206R	3/8" Drive SAE Socket 6pt	5/8"	•
X226R	3/8" Drive SAE Socket 6pt	11/16"	•
X246R	3/8" Drive SAE Socket 6pt	3/4"	•
X266R	3/8" Drive SAE Socket 6pt	13/16"	•
X286R	3/8" Drive SAE Socket 6pt	7/8"	•
X306R	3/8" Drive SAE Socket 6pt	15/16"	•
X326R	3/8" Drive SAE Socket 6pt	1"	•
XD86R	3/8" Drive SAE Deep Socket 6pt	1/4"	•
XD106R	3/8" Drive SAE Deep Socket 6pt	5/16"	•
XD126R	3/8" Drive SAE Deep Socket 6pt	3/8"	•
XD146R	3/8" Drive SAE Deep Socket 6pt	7/16"	•
XD166R	3/8" Drive SAE Deep Socket 6pt	1/2"	•
XD186DR	3/8" Drive SAE Deep Socket 6pt	9/16"	•
XD206R	3/8" Drive SAE Deep Socket 6pt	5/8"	•
XD226R	3/8" Drive SAE Deep Socket 6pt	11/16"	•
XD246R	3/8" Drive SAE Deep Socket 6pt	3/4"	•
XD266R	3/8" Drive SAE Deep Socket 6pt	13/16"	•
XD286R	3/8" Drive SAE Deep Socket 6pt	7/8"	•
XD306R	3/8" Drive SAE Deep Socket 6pt	15/16"	•
PTX7E-38SAE	Foam Only - 3/8" Drive SAE Sockets	_	•

FOAM7E-38MET 28-PC. 3/8" DRIVE METRIC SOCKET FOAM SET

PRODUCT #	DESCRIPTION	SIZE	SET
FOAM7E-38MET	28-Pc. 3/8" Drive Metric Socket Foam Set		
X66MMR	3/8" Drive Metric Socket 6pt	6mm	•
X67MMR	3/8" Drive Metric Socket 6pt	7mm	•
X68MMR	3/8" Drive Metric Socket 6pt	8mm	•
X69MMR	3/8" Drive Metric Socket 6pt	9mm	•
X610MMR	3/8" Drive Metric Socket 6pt	10mm	•
X611MMR	3/8" Drive Metric Socket 6pt	11mm	•
X612MMR	3/8" Drive Metric Socket 6pt	12mm	•
X613MMR	3/8" Drive Metric Socket 6pt	13mm	•
X614MMR	3/8" Drive Metric Socket 6pt	14mm	•
X615MMR	3/8" Drive Metric Socket 6pt	15mm	•
X616MMR	3/8" Drive Metric Socket 6pt	16mm	•
X617MMR	3/8" Drive Metric Socket 6pt	17mm	•
X618MMR	3/8" Drive Metric Socket 6pt	18mm	•
X619MMR	3/8" Drive Metric Socket 6pt	19mm	•
XD66MMR	3/8" Drive Metric Deep Socket 6pt	6mm	•
XD67MMR	3/8" Drive Metric Deep Socket 6pt	7mm	•
XD68MMR	3/8" Drive Metric Deep Socket 6pt	8mm	•
XD69MMR	3/8" Drive Metric Deep Socket 6pt	9mm	•
XD610MMR	3/8" Drive Metric Deep Socket 6pt	10mm	•
XD611MMR	3/8" Drive Metric Deep Socket 6pt	11mm	•
XD612MMR	3/8" Drive Metric Deep Socket 6pt	12mm	•
XD613MMR	3/8" Drive Metric Deep Socket 6pt	13mm	•
XD614MMR	3/8" Drive Metric Deep Socket 6pt	14mm	•
XD615MMR	3/8" Drive Metric Deep Socket 6pt	15mm	•
XD616MMR	3/8" Drive Metric Deep Socket 6pt	16mm	•
XD617MMR	3/8" Drive Metric Deep Socket 6pt	17mm	•
XD618MMR	3/8" Drive Metric Deep Socket 6pt	18mm	•
XD619MMR	3/8" Drive Metric Deep Socket 6pt	19mm	•
РТХ7Е-38МЕТ	Foam Only - 3/8" Drive Metric Sockets	_	

FOANS STS





FOAM7E-ISSAE 28-PC. SAE STANDARD/DEEP IMPACT SOCKET FOAM SET

CREI FOAN SEI		
DESCRIPTION	SIZE	SET
28-Pc. SAE Standard/Deep Impact Socket Foam Set		
SAE Impact Socket 6pt	3/8"	•
SAE Impact Socket 6pt	7/16"	•
SAE Impact Socket 6pt	1/2"	•
SAE Impact Socket 6pt	9/16"	•
SAE Impact Socket 6pt	5/8"	•
SAE Impact Socket 6pt	11/16"	•
SAE Impact Socket 6pt	3/4"	•
SAE Impact Socket 6pt	13/16"	•
SAE Impact Socket 6pt	7/8"	•
SAE Impact Socket 6pt	15/16"	•
SAE Impact Socket 6pt	1"	•
SAE Impact Socket 6pt	1-1/16"	•
SAE Impact Socket 6pt	1-1/8"	•
SAE Impact Socket 6pt	1-3/16"	•
SAE Impact Socket 6pt	1-1/4"	•
SAE Deep Impact Socket 6pt	7/16"	•
SAE Deep Impact Socket 6pt	1/2"	•
SAE Deep Impact Socket 6pt	9/16"	•
SAE Deep Impact Socket 6pt	5/8"	•
SAE Deep Impact Socket 6pt	11/16"	•
SAE Deep Impact Socket 6pt	3/4"	•
SAE Deep Impact Socket 6pt	13/16"	•
SAE Deep Impact Socket 6pt	7/8"	•
SAE Deep Impact Socket 6pt	15/16"	•
SAE Deep Impact Socket 6pt	1"	•
SAE Deep Impact Socket 6pt	1-1/16"	•
SAE Deep Impact Socket 6pt	1-1/8"	•
SAE Deep Impact Socket 6pt	1-1/4"	•
Foam Only - SAE Impact Sockets	-	•
	28-Pc. SAE Standard/Deep Impact Socket Foam Set SAE Impact Socket 6pt SAE Deep Impact Socket 6pt	28-Pc. SAE Standard/Deep Impact Socket Foam Set SAE Impact Socket 6pt SAE Deep Impact Socket 6pt

FOAM7E-ISSMET 30-PC. METRIC STANDARD/DEEP IMPACT SOCKET FOAM SET

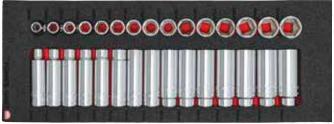
IIVIPACT SU	CREI FUAIVI SEI		
PRODUCT #	DESCRIPTION	SIZE	SET
FOAM7E-ISSMET	30-Pc. Metric Standard/Deep Impact Socket Foam So	et	
VP610MMR	Metric Impact Socket 6pt	10mm	•
VP611MMR	Metric Impact Socket 6pt	11mm	•
VP612MMR	Metric Impact Socket 6pt	12mm	•
VP613MMR	Metric Impact Socket 6pt	13mm	•
VP614MMR	Metric Impact Socket 6pt	14mm	•
VP615MMR	Metric Impact Socket 6pt	15mm	•
VP616MMR	Metric Impact Socket 6pt	16mm	•
VP617MMR	Metric Impact Socket 6pt	17mm	•
VP618MMR	Metric Impact Socket 6pt	18mm	•
VP619MMR	Metric Impact Socket 6pt	19mm	•
VP621MMR	Metric Impact Socket 6pt	21mm	•
VP622MMR	Metric Impact Socket 6pt	22mm	•
VP624MMR	Metric Impact Socket 6pt	24mm	•
VDP610MMR	Metric Deep Impact Socket 6pt	10mm	•
VDP611MMR	Metric Deep Impact Socket 6pt	11mm	•
VDP612MMR	Metric Deep Impact Socket 6pt	12mm	•
VDP613MMR	Metric Deep Impact Socket 6pt	13mm	•
VDP614MMR	Metric Deep Impact Socket 6pt	14mm	•
VDP615MMR	Metric Deep Impact Socket 6pt	15mm	•
VDP616MMR	Metric Deep Impact Socket 6pt	16mm	•
VDP617MMR	Metric Deep Impact Socket 6pt	17mm	•
VDP618MMR	Metric Deep Impact Socket 6pt	18mm	•
VDP619MMR	Metric Deep Impact Socket 6pt	19mm	•
VDP620MMR	Metric Deep Impact Socket 6pt	20mm	•
VDP621MMR	Metric Deep Impact Socket 6pt	21mm	•
VDP622MMR	Metric Deep Impact Socket 6pt	22mm	•
VDP623MMR	Metric Deep Impact Socket 6pt	23mm	•
VDP624MMR	Metric Deep Impact Socket 6pt	24mm	•
VDP625MMR	Metric Deep Impact Socket 6pt	25mm	•
PTX7E-ISMET	Foam Only - Metric Impact Sockets	-	•

FOAM SETS 1/2" DRIVE SOCKETS SETS









FOAM7E-12MET 30-PC. 1/2" DRIVE **METRIC SOCKET FOAM SET**

PRODUCT #	DESCRIPTION	SIZE	SET
FOAM7E-12MET	30-Pc. 1/2" Drive Metric Socket Foam Set		
V610MMR	1/2" Drive Metric Socket 6pt	10mm	•
V611MMR	1/2" Drive Metric Socket 6pt	11mm	•
V612MMR	1/2" Drive Metric Socket 6pt	12mm	•
V613MMR	1/2" Drive Metric Socket 6pt	13mm	•
V614MMR	1/2" Drive Metric Socket 6pt	14mm	•
V615MMR	1/2" Drive Metric Socket 6pt	15mm	•
V616MMR	1/2" Drive Metric Socket 6pt	16mm	•
V617MMR	1/2" Drive Metric Socket 6pt	17mm	•
V618MMR	1/2" Drive Metric Socket 6pt	18mm	•
V619MMR	1/2" Drive Metric Socket 6pt	19mm	•
V620MMR	1/2" Drive Metric Socket 6pt	20mm	•
V621MMR	1/2" Drive Metric Socket 6pt	21mm	•
V622MMR	1/2" Drive Metric Socket 6pt	22mm	•
V623MMR	1/2" Drive Metric Socket 6pt	23mm	•
V624MMR	1/2" Drive Metric Socket 6pt	24mm	•
VD610MMR	1/2" Drive Metric Deep Socket 6pt	10mm	•
VD611MMR	1/2" Drive Metric Deep Socket 6pt	11mm	•
VD612MMR	1/2" Drive Metric Deep Socket 6pt	12mm	•
VD613MMR	1/2" Drive Metric Deep Socket 6pt	13mm	•
VD614MMR	1/2" Drive Metric Deep Socket 6pt	14mm	•
VD615MMR	1/2" Drive Metric Deep Socket 6pt	15mm	•
VD616MMR	1/2" Drive Metric Deep Socket 6pt	16mm	•
VD617MMR	1/2" Drive Metric Deep Socket 6pt	17mm	•
VD618MMR	1/2" Drive Metric Deep Socket 6pt	18mm	•
VD619MMR	1/2" Drive Metric Deep Socket 6pt	19mm	•
VD620MMR	1/2" Drive Metric Deep Socket 6pt	20mm	•
VD621MMR	1/2" Drive Metric Deep Socket 6pt	21mm	•
VD622MMR	1/2" Drive Metric Deep Socket 6pt	22mm	•
VD623MMR	1/2" Drive Metric Deep Socket 6pt	23mm	•
VD624MMR	1/2" Drive Metric Deep Socket 6pt	24mm	•
PTX7E-12MET	Foam Only - 1/2" Drive Metric Sockets	-	•

PTX7E-12SAE

FOAM SETS DRIVE TOOL SETS





FOAM7E-38DRIVE

11-PC. 3/8" DRIVE TOOL FOAM SET

PRODUCT #	DESCRIPTION	SET
FOAM7E-38DRIVE	11-Pc. 3/8" Drive Tool Foam Set	
XR790AK	3/8" Drive Axis Metal Handle Ratchet 7"	•
XR1390LFK	3/8" Drive Axis Metal Handle Flex Ratchet 13"	•
X12SF	3/8" Drive Breaker Bar 12"	•
хзи	3/8" Drive Universal Joint	•
A128	3/8"F to 1/4"M Adapter	•
A1216	3/8"F to 1/2"M Adapter	•
SXEK5PT	3/8" Drive 5-Pc. Extension Set	•
PTX7E-38DRIVE	Foam Only - 3/8" Drive Tools	•

FOAM7E-12DRIVE

8-PC. 1/2" DRIVE TOOL FOAM SET

PRODUCT #	DESCRIPTION	SET
FOAM7E-12DRIVE	8-Pc. 1/2" Drive Tool Foam Set	
VR1190K	1/2" Drive Metal Handle Ratchet 11"	•
V18SF	1/2" Drive Flex Handle Ratchet 18"	•
V3E	3" Extension	•
V5E	5" Extension	•
V10E	10" Extension	•
V3U	1/2" Drive Universal Joint	•
A1612	1/2"F to 3/8"M Adapter	•
VR1890FK	1/2" Drive Metal Flex Handle Ratchet 18"	•
PTX7E-12DRIVE	Foam Only - 1/2" Drive Tools	•

1/4" DRIVE COMBINATION SET



FOAM7E-14COMBO 53-PC. 1/4" DRIVE COMBINATION FOAM SET.

PRODUCT #	DESCRIPTION	SIZE	SET
FOAM7E-14COMBO	53-Pc. 1/4" Drive Combination Foam Set		
M46	SAE Standard Socket 6pt	1/8"	•
M56	SAE Standard Socket 6pt	5/32"	•
M66R	SAE Standard Socket 6pt	3/16"	•
M76R	SAE Standard Socket 6pt	7/32"	•
M86R	SAE Standard Socket 6pt	1/4"	•
M96R	SAE Standard Socket 6pt	9/32"	•
M106R	SAE Standard Socket 6pt	5/16"	•
M116R	SAE Standard Socket 6pt	11/32"	•
M126R	SAE Standard Socket 6pt	3/8"	•
M146R	SAE Standard Socket 6pt	7/16"	•
M166R	SAE Standard Socket 6pt	1/2"	•
M186R	SAE Standard Socket 6pt	9/16"	•
M65MMR	Metric Standard Socket 6pt	5mm	•
M65.5MMR	Metric Standard Socket 6pt	5.5mm	•
M66MMR	Metric Standard Socket 6pt	6mm	•
M67MMR	Metric Standard Socket 6pt	7mm	•
M68MMR	Metric Standard Socket 6pt	8mm	•
M69MMR	Metric Standard Socket 6pt	9mm	•
M610MMR	Metric Standard Socket 6pt	10mm	•
M611MMR	Metric Standard Socket 6pt	11mm	•
M612MMR	Metric Standard Socket 6pt	12mm	•
M613MMR	Metric Standard Socket 6pt	13mm	•
M614MMR	Metric Standard Socket 6pt	14mm	•
M615MMR	Metric Standard Socket 6pt	15mm	•
MD66R	SAE Deep Socket 6pt	3/16"	•
MD76R	SAE Deep Socket 6pt	7/32"	•
MD86R	SAE Deep Socket 6pt	1/4"	•

PRODUCT #	DESCRIPTION	SIZE	SET
MD96R	SAE Deep Socket 6pt	9/32"	•
MD106R	SAE Deep Socket 6pt	5/16"	•
MD116R	SAE Deep Socket 6pt	11/32"	•
MD126R	SAE Deep Socket 6pt	3/8"	•
MD146R	SAE Deep Socket 6pt	7/16"	•
MD166R	SAE Deep Socket 6pt	1/2"	•
MD186R	SAE Deep Socket 6pt	9/16"	•
MD65MMR	Metric Deep Socket 6pt	5mm	•
MD65.5MMR	Metric Deep Socket 6pt	5.5mm	•
MD66MMR	Metric Deep Socket 6pt	6mm	•
MD67MMR	Metric Deep Socket 6pt	7mm	•
MD68MMR	Metric Deep Socket 6pt	8mm	•
MD69MMR	Metric Deep Socket 6pt	9mm	•
MD610MMR	Metric Deep Socket 6pt	10mm	•
MD611MMR	Metric Deep Socket 6pt	11mm	•
MD612MMR	Metric Deep Socket 6pt	12mm	•
MD613MMR	Metric Deep Socket 6pt	13mm	•
MD614MMR	Metric Deep Socket 6pt	14mm	•
MD615MMR	Metric Deep Socket 6pt	15mm	•
MR590K	1/4" Drive Metal Handle Ratchet 5"	-	•
M6SA	1/4" Drive Comfort Grip Spin Handle	-	•
МЗИ	1/4" Drive Universal Joint	-	•
M2EK	2" Knurled Extension	-	•
MGEK	6" Knurled Extension	-	•
M6SF	1/4" Drive Breaker Bar 6"	-	•
A812	1/4" to 3/8" Adapter	-	•
MR990FPA	1/4" Drive Axis Comfort Flex Handle Ratchet 9"	-	•
PTX7E-14COMBO	Foam Only - 1/4" Drive Combination Socket Set	-	•

FOAM SETS 3/8" DRIVE COMBINATION SET

FOAM14E-38COMBO 65-PC. 3/8" DRIVE **COMBINATION FOAM SET**

PRODUCT #	DESCRIPTION	SIZE	SET
FOAM14E-38COMBO	65-Pc. 3/8" Drive Combination Foam Set		
X86R	SAE Standard Socket 6pt	1/4"	•
X106R	SAE Standard Socket 6pt	5/16"	•
X126R	SAE Standard Socket 6pt	3/8"	•
X146R	SAE Standard Socket 6pt	7/16"	•
X166R	SAE Standard Socket 6pt	1/2"	•
X186R	SAE Standard Socket 6pt	9/16"	•
X206R	SAE Standard Socket 6pt	5/8"	•
X226R	SAE Standard Socket 6pt	11/16"	•
X246R	SAE Standard Socket 6pt	3/4"	•
X266R	SAE Standard Socket 6pt	13/16"	•
X286R	SAE Standard Socket 6pt	7/8"	•
X306R	SAE Standard Socket 6pt	15/16"	•
X326R	SAE Standard Socket 6pt	1"	•
X66MMR	Metric Socket 6pt	6mm	•
X67MMR	Metric Socket 6pt	7mm	•
X68MMR	Metric Socket 6pt	8mm	•
X69MMR	Metric Socket 6pt	9mm	•
X610MMR	Metric Socket 6pt	10mm	•
X611MMR	Metric Socket 6pt	11mm	•
X612MMR	Metric Socket 6pt	12mm	•
X613MMR	Metric Socket6pt	13mm	•
X614MMR	Metric Socket 6pt	14mm	•
X615MMR	Metric Socket 6pt	15mm	•
X616MMR	Metric Socket 6pt	16mm	•
X617MMR	Metric Socket 6pt	17mm	•
X618MMR	Metric Socket 6pt	18mm	•
X619MMR	Metric Socket 6pt	19mm	•
XD86R	SAE Deep Socket 6pt	1/4"	•
XD106R	SAE Deep Socket 6pt	5/16"	•
XD126R	SAE Deep Socket 6pt	3/8"	•
XD146R	SAE Deep Socket 6pt	7/16"	•
XD166R	SAE Deep Socket 6pt	1/2"	•
XD186R	SAE Deep Socket 6pt	9/16"	•
XD206R	SAE Deep Socket 6pt	5/8"	•
XD226R	SAE Deep Socket 6pt	11/16"	•
XD246R	SAE Deep Socket 6pt	3/4"	•
XD266R	SAE Deep Socket 6pt	13/16"	•
XD286R	SAE Deep Socket 6pt	7/8"	•
XD306R	SAE Deep Socket 6pt	15/16"	•
XD326R	SAE Deep Socket 6pt	1"	•



PRODUCT #	DESCRIPTION	SIZE	SET
XD66MMR	Metric Deep Socket 6pt	6mm	•
XD67MMR	Metric Deep Socket 6pt	7mm	•
XD68MMR	Metric Deep Socket 6pt	8mm	•
XD69MMR	Metric Deep Socket 6pt	9mm	•
XD610MMR	Metric Deep Socket 6pt	10mm	•
XD611MMR	Metric Deep Socket 6pt	11mm	•
XD612MMR	Metric Deep Socket 6pt	12mm	•
XD613MMR	Metric Deep Socket 6pt	13mm	•
XD614MMR	Metric Deep Socket 6pt	14mm	•
XD615MMR	Metric Deep Socket 6pt	15mm	•
XD616MMR	Metric Deep Socket 6pt	16mm	•
XD617MMR	Metric Deep Socket 6pt	17mm	•
XD618MMR	Metric Deep Socket 6pt	18mm	•
XD619MMR	Metric Deep Socket 6pt	19mm	•
XR790AK	3/8" Drive Metal Handle Ratchet 7"	-	•
X3U	Universal Joint	-	•
ХЗЕК	3" Knurled Extension	-	•
XGEK	6" Knurled Extension	-	•
X12EK	12" Knurled Extension	-	•
X17SL	3/8" Drive Locking Speeder	-	•
X12SF	3/8" Drive 12" Flex Handle	-	•
A128	3/8"F to 1/4"M Adapter	-	•
A1216	3/8" to 1/2" Adapter	-	•
SC2632R	Spark Plug Socket	13/16"	•
SC2032R	Spark Plug Socket	5/8"	•
SC14MMR	Spark Plug Socket	14mm	•
XR1390AFPA	3/8" Drive Comfort Flex Handle Ratchet 13"	-	•
PTX14E-38COMBO	Foam Only - 3/8" Drive Combination Socket Set	-	•

FOANS FIS



FOAM7E-TORXHEX

73-PC. TORX® HEX FOAM SET

PRODUCT #	DESCRIPTION	SIZE	SET
FOAM7E-TORXHEX	73-Pc. Torx® Hex Foam Set		
T70V	1/2" Drive Torx® Driver	T70	•
VT60BS	1/2" Drive Torx® Driver	T60	•
XT55BS	3/8" Drive Torx® Driver	T55	•
XT50BS	3/8" Drive Torx® Driver	T50	•
XT47BS	3/8" Drive Torx® Driver	T47	•
XT45BS	3/8" Drive Torx® Driver	T45	•
XT40BS	3/8" Drive Torx® Driver	T40	•
XT30BS	3/8" Drive Torx® Driver	T30	•
MT27BS	1/4" Drive Torx® Driver	T27	•
MT25BS	1/4" Drive Torx® Driver	T25	•
MT20BS	1/4" Drive Torx® Driver	T20	•
MT15BS	1/4" Drive Torx® Driver	T15	•
MT10BS	1/4" Drive Torx® Driver	T10	•
MT8BS	1/4" Drive Torx® Driver	T8	•
SHKSM9C	9-Pc. Metric Long Arm Ball-End Hex L-Key Set	-	•
SHKS13C	13-Pc. SAE Long Arm Ball-End Hex L-Key Set	-	•
VE20S	1/2" Drive Torx® Socket	E20	•
VE18S	1/2" Drive Torx® Socket	E18	•
XE16S	3/8" Drive Torx® Socket	E16	•
XE14S	3/8" Drive Torx® Socket	E14	•
XE12S	3/8" Drive Torx® Socket	E12	•
XE10S	3/8" Drive Torx® Socket	E10	•
ME8S	1/4" Drive Torx® Socket	E8	•
ME7S	1/4" Drive Torx® Socket	E7	•
MEGS	1/4" Drive Torx® Socket	E6	•
ME5S	1/4" Drive Torx® Socket	E5	•
ME4S	1/4" Drive Torx® Socket	E4	•

PRODUCT #	DESCRIPTION	SIZE	SET
XTS55H	3/8" Drive 5-Star Driver	T55h	•
XTS50H	3/8" Drive 5-Star Driver	T50h	•
XTS45H	3/8" Drive 5-Star Driver	T45h	•
XTS40H	3/8" Drive 5-Star Driver	T40h	•
MTS30H	1/4" Drive 5-Star Driver	T30h	•
MTS27H	1/4" Drive 5-Star Driver	T27h	•
MTS25H	1/4" Drive 5-Star Driver	T25h	•
MTS20H	1/4" Drive 5-Star Driver	T20h	•
MTS15H	1/4" Drive 5-Star Driver	T15h	•
MTS10H	1/4" Drive 5-Star Driver	T10h	•
MTS8H	1/4" Drive 5-Star Driver	T8h	•
XH11MMBS	3/8" Drive Short Hex Driver	11mm	•
XH10MMBS	3/8" Drive Short Hex Driver	10mm	•
хнэммвѕ	3/8" Drive Short Hex Driver	9mm	•
XH8MMBS	3/8" Drive Hex Driver	8mm	•
XH7MMBS	3/8" Drive Short Hex Driver	7mm	•
XH6MMBS	3/8" Drive Short Hex Driver	6mm	•
XH5MMBS	3/8" Drive Short Hex Driver	5mm	•
XH4MMBS	3/8" Drive Short Hex Driver	4mm	•
XH126BS	3/8" Drive Hex Driver	3/8"	•
XH106BS	3/8" Drive Hex Driver	5/16"	•
XH86BS	3/8" Drive Hex Driver	1/4"	•
XH76BS	3/8" Drive Short Hex Driver	7/32"	•
XH66BS	3/8" Drive Short Hex Driver	3/16"	•
XH56BS	3/8" Drive Short Hex Driver	5/32"	•
XH46BS	3/8" Drive Short Hex Driver	1/8"	•
PTX7E-TORXHEX	Foam Only - Torx® Hex Master Set	-	•

FOAM SETS 12 POINT COMBINATION WRENCH SET



FOAM21E-WRENCH 33-PC. 12 POINT

COMBINATION WRENCH FOAM SET

PRODUCT #	DESCRIPTION	SIZE	SET
FOAM21E-PTWRENCH	33-Pc. 12 Point Combination Wrench Foam Set		
M6CL440	12 Point Combination Wrench	6mm	•
M7CL440	12 Point Combination Wrench	7mm	•
M8CL440	12 Point Combination Wrench	8mm	•
M9CL440	12 Point Combination Wrench	9mm	•
M10CL440	12 Point Combination Wrench	10mm	•
M11CL440	12 Point Combination Wrench	11mm	•
M12CL440	12 Point Combination Wrench	12mm	•
M13CL440	12 Point Combination Wrench	13mm	•
M14CL440	12 Point Combination Wrench	14mm	•
M15CL440	12 Point Combination Wrench	15mm	•
M16CL440	12 Point Combination Wrench	16mm	•
M17CL440	12 Point Combination Wrench	17mm	•
M18CL440	12 Point Combination Wrench	18mm	•
M19CL440	12 Point Combination Wrench	19mm	•

PRODUCT #	DESCRIPTION	SIZE	SET
CL82440	12 Point Combination Wrench	1/4"	•
CL92440	12 Point Combination Wrench	9/32"	•
CL102440	12 Point Combination Wrench	5/16"	•
CL112440	12 Point Combination Wrench	11/32"	•
CL122440	12 Point Combination Wrench	3/8"	•
CL142440	12 Point Combination Wrench	7/16"	•
CL162440	12 Point Combination Wrench	1/2"	•
CL182440	12 Point Combination Wrench	9/16"	•
CL202440	12 Point Combination Wrench	5/8"	•
CL222440	12 Point Combination Wrench	11/16"	•
CL242440	12 Point Combination Wrench	3/4"	•
CL262440	12 Point Combination Wrench	13/16"	•
CL282440	12 Point Combination Wrench	7/8"	•
CL302440	12 Point Combination Wrench	15/16"	•
CL322440	12 Point Combination Wrench	1"	•
CL342440	12 Point Combination Wrench	1-1/16'	•
CL362440	12 Point Combination Wrench	1-1/8"	•
CL382440	12 Point Combination Wrench	1-3/16"	•
CL402440	12 Point Combination Wrench	1-1/4"	•
PTX21E-PTWRENCH	Foam Only - 12 Point Wrench Set	-	•

FOANSTS WRENCH SETS



FOAM7E-PTRRWSAE 12-PC. SAE REVERSIBLE RATCHETING WRENCH FOAM SET

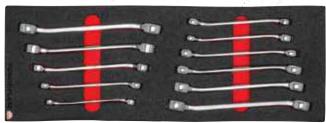
PRODUCT #	DESCRIPTION	SIZE	SET
FOAM14E-PTRRWSAE	12-Pc. SAE Reversible Ratcheting Wrench Foam Set		
RW021116PTA	SAE Reversible Ratcheting Wrench	1/4"	•
RW021132PTA	SAE Reversible Ratcheting Wrench	5/16"	•
RW0212PTA	SAE Reversible Ratcheting Wrench	11/32"	•
RW0214PTA	SAE Reversible Ratcheting Wrench	3/8"	•
RWO21516PTA	SAE Reversible Ratcheting Wrench	7/16"	•
RW0234PTA	SAE Reversible Ratcheting Wrench	1/2"	•
RW0238PTA	SAE Reversible Ratcheting Wrench	9/16"	•
RW02516PTA	SAE Reversible Ratcheting Wrench	5/8"	•
RW0258PTA	SAE Reversible Ratcheting Wrench	11/16"	•
RW02716PTA	SAE Reversible Ratcheting Wrench	3/4"	•
RW0278PTA	SAE Reversible Ratcheting Wrench	7/8"	•
RW02916PTA	SAE Reversible Ratcheting Wrench	15/16"	•
PTX14E-PTRRWSAE	Foam Only - SAE Reversible Ratcheting Wrenches	_	•

FOAM7E-PTRRWMET (NOT SHOWN) 12-PC. METRIC REVERSIBLE RATCHETING WRENCH FOAM SET

PRODUCT #	DESCRIPTION	SIZE	SET
FOAM14E-PTRRWMET	12-Pc. Metric Reversible Ratcheting Wrench Foam Set		
RW027MMPTA	Metric Reversible Ratcheting Wrench	7mm	•
RW028MMPTA	Metric Reversible Ratcheting Wrench	8mm	•
RW0210MMPTA	Metric Reversible Ratcheting Wrench	10mm	•
RW0211MMPTA	Metric Reversible Ratcheting Wrench	11mm	•
RW0212MMPTA	Metric Reversible Ratcheting Wrench	12mm	•
RW0213MMPTA	Metric Reversible Ratcheting Wrench	13mm	•
RW0214MMPTA	Metric Reversible Ratcheting Wrench	14mm	•
RW0215MMPTA	Metric Reversible Ratcheting Wrench	15mm	•
RW0216MMPTA	Metric Reversible Ratcheting Wrench	16mm	•
RW0217MMPTA	Metric Reversible Ratcheting Wrench	17mm	•
RW0218MMPTA	Metric Reversible Ratcheting Wrench	18mm	•
RW0219MMPTA	Metric Reversible Ratcheting Wrench	19mm	•
PTX14E-PTRRWMET	Foam Only - Metric Reversible Ratcheting Wrenches	_	•

FOAM SETS WRENCH SETS





FOAM7E-PTSRRW

24-PC. SAE/METRIC STUBBY REVERSIBLE **RATCHETING WRENCH FOAM SET**

PRODUCT #	DESCRIPTION	SIZE	SET
FOAM14E-PTSRRW	24-Pc. Stubby Reversible Ratcheting Wrench Foam Se	t	
RWS214PTA	SAE Stubby Reversible Ratcheting Wrench	1/4"	•
RWS2516PTA	SAE Stubby Reversible Ratcheting Wrench	5/16"	•
RWS21132PTA	SAE Stubby Reversible Ratcheting Wrench	11/32"	•
RWS238PTA	SAE Stubby Reversible Ratcheting Wrench	3/8"	•
RWS2716PTA	SAE Stubby Reversible Ratcheting Wrench	7/16"	•
RWS212PTA	SAE Stubby Reversible Ratcheting Wrench	1/2"	•
RWS2916PTA	SAE Stubby Reversible Ratcheting Wrench	9/16"	•
RWS258PTA	SAE Stubby Reversible Ratcheting Wrench	5/8"	•
RWS21116PTA	SAE Stubby Reversible Ratcheting Wrench	11/16"	•
RWS234PTA	SAE Stubby Reversible Ratcheting Wrench	3/4"	•
RWS26MMPTA	Metric Stubby Reversible Ratcheting Wrench	6mm	•
RWS27MMPTA	Metric Stubby Reversible Ratcheting Wrench	7mm	•
RWS28MMPTA	Metric Stubby Reversible Ratcheting Wrench	8mm	•
RWS29MMPTA	Metric Stubby Reversible Ratcheting Wrench	9mm	•
RWS210MMPTA	Metric Stubby Reversible Ratcheting Wrench	10mm	•
RWS211MMPTA	Metric Stubby Reversible Ratcheting Wrench	11mm	•
RWS212MMPTA	Metric Stubby Reversible Ratcheting Wrench	12mm	•
RWS213MMPTA	Metric Stubby Reversible Ratcheting Wrench	13mm	•
RWS214MMPTA	Metric Stubby Reversible Ratcheting Wrench	14mm	•
RWS215MMPTA	Metric Stubby Reversible Ratcheting Wrench	15mm	•
RWS216MMPTA	Metric Stubby Reversible Ratcheting Wrench	16mm	•
RWS217MMPTA	Metric Stubby Reversible Ratcheting Wrench	17mm	•
RWS218MMPTA	Metric Stubby Reversible Ratcheting Wrench	18mm	•
RWS219MMPTA	Metric Stubby Reversible Ratcheting Wrench	19mm	•
PTX14E-PTSRRW	Foam Only - SAE/Metric Stubby Reversible Ratcheting Wrenches	-	•

FOAM7E-FLAREWR 11-PC. FLARE NUT WRENCH FOAM SET

PRODUCT #	DESCRIPTION	SIZE	SET
		3120	JEI
FOAM7E-FLAREWR	11-Pc. Flare Nut Wrench Foam Set	,	
FB6911MMR	Flare Nut Wrench	9 x 11mm	•
FB61012MMR	Flare Nut Wrench	10 x 12mm	•
FB61314MMR	Flare Nut Wrench	13 x 14mm	•
FB61517MMR	Flare Nut Wrench	15 x 17mm	•
FB61618MMR	Flare Nut Wrench	16 x 18mm	•
FB61921MMR	Flare Nut Wrench	19 x 21mm	•
FB8106R	Flare Nut Wrench	1/4" x 5/16"	•
FB12146R	Flare Nut Wrench	3/8" x 7/16"	•
FB16186R	Flare Nut Wrench	1/2" x 9/16"	•
FB20226R	Flare Nut Wrench	5/8" x 11/16"	•
FB24266R	Flare Nut Wrench	3/4" x 13/16"	•
PTX7E-FLAREWR	Foam Only - Flare Nut Wrenches Set	-	•

PLIER AND SCREWDRIVER SETS





FOAM14E-PLIERS 13-PC. PLIER FOAM SET

PRODUCT #	DESCRIPTION	SET
FOAM14E-PLIERS	13-Pc. Plier Foam Set	
F170A10	CST Groove Joint Pliers 10"	•
F192G7	CST Diagonal Cutting Pliers 7"	•
P8LNCST	CST Long Nose Pliers 8"	•
P26A	Slip Joint Pliers 6-1/2"	•
MLP10CJ	Curved Jaw with Cutter 10"	•
MLP6LN	Long Nose with Cutter 6"	•
MLP7SJ	Straight Jaw 7"	•
TPQ12	Straight Ring Pliers 6"	•
TPQ32	Straight Ring Pliers 6"	•
TPQ34	Straight Ring Pliers 7-3/4"	•
TPQ56	Straight Ring Pliers 9-1/2"	•
WSC7	Wire Stripper/Crimper/Cutter	•
SD1118	Multi-Direction Hose Pliers	•
PTX14E-PLIERS	Foam Only - Combination Plier Set	•

FOAM14E-SCREWDR 17-PC. SCREWDRIVER FOAM SET

PRODUCT #	DESCRIPTION	SET
FOAM14E-SCREWDR	17-Pc. Screwdriver Foam Set	
PKRB8DR-S	3/8" x 8" Bolster Keystone Tip	•
PJRB6DR-S	5/16" x 6" Bolster Keystone Tip	•
PNRB4DR-S	1/4" x 4" Bolster Keystone Tip	•
PHRB3DR-S	3/16" x 3" Bolster Keystone Tip	•
PPH3DR	3/16" x 3" Cabinet Tip	•
PPG3DR	1/8" x 3" Cabinet Tip	•
PP2031DR	PH1 x 3", Phillips® Tip	•
PP3030DR	PHO x 3", Phillips® Tip	•
PB2084DR-S	PH4 x 8" Bolster Phillips® Tip	•
PB2063DR-S	PH3 x 6" Bolster Phillips® Tip	•
PB2082DR-S	PH2 x 8" Bolster Phillips® Tip	•
PB2042DR-S	PH2 x 4" Bolster Phillips® Tip	•
PB2031DR-S	PH1 x 3" Bolster Phillips® Tip	•
PNR1DR	1/4" x 1.5" Keystone Tip	•
P3012DR	PH2 x 1.5" Phillips® Tip	•
PN2B	1/8" Slotted Pocket Square Shank Slotted	•
PN2C	1/8" Slotted Pocket Square Shank Curve	•
PTX14E-SCREWDR	Foam Only - Screwdriver Set	•

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FOAM SETS MISCELLANEOUS SETS





FOAM7E-PICKSCR 9-PC. PICK AND SCRAPER FOAM SET

PRODUCT #	DESCRIPTION	SET
FOAM7E-PICKSCR	9-Pc. Pick and Scraper Foam Set	
PS21A	Mini Straight Pick	•
PS22A	Mini 90° Pick	•
PS23A	Mini Offset Pick	•
PS24A	Mini Hook Pick	•
MS400B	4" Mini Scraper	•
RADP6DR	Long Offset Hose Pick	•
RADP3DR	Offset Hose Pick	•
SP8BA	Short Blade Scraper	•
BT715	EZ Scraper	•
10-779	Knife Bimetal Ret Cg	•
PTX7E-PICKSCR	Foam Only - Pick and Scraper Set	•

FOAM7E-PCCOMBO

15-PC. PUNCH AND CHISEL FOAM SET

PRODUCT #	DESCRIPTION	SIZE	SET
FOAM7E-PCCOMBO	15-Pc. Punch and Chisel Foam Set		
BH16AV	Anti-Vibe® Ball Peen Hammer	16oz	•
BD8	Brass Drift Punch	3/4" x 8"	•
SMP5SS	Starter/Machine Punch	5/32" x 5"	•
SMP8SS	Starter/Machine Punch	1/4" x 6"	•
SMP10SS	Starter/Machine Punch	5/16" x 7"	•
CP2SS	Center Punch	3/16" x 5"	•
CP50	Automatic Center Punch	5"	•
PP10SS	Pin Punch	5/16" x 6-1/4"	•
PP8SS	Pin Punch	1/4" x 5-3/4"	•
PP6SS	Pin Punch	3/16" x 5-1/4"	•
PP4SS	Pin Punch	1/8" x 4-3/4	•
FCC4SS	Flat Cape Chisel	1/8" x 5"	•
C10SS	Flat Tip Chisel	5/16" x 4-1/2"	•
C12SS	Flat Tip Chisel	3/8" x 5"	•
C16SS	Flat Tip Chisel	1/2" x 6"	•
PTX7E-PCCOMBO	Foam Only - Punch and Chisel Set	-	•



FOAM7E-MEASURE **16-PC. MEASURING FOAM SET**

PRODUCT #	DESCRIPTION	SET
FOAM7E-MEASURE	16-Pc. Measuring Foam Set	
MPR6	6" Machinists Pocket Rule	•
AC52220	1" Dial Pocket Thermometer	•
FG030	25 Blade Metric Universal Master Feeler Gauge Set	•
TDG479	Tire Thread Depth Gauge	•
FG002	25 Blade SAE Universal Master Feeler Gage Set	•
FG275	Master Offset Gauge	•
3116TPG	Metric Thread Pitch Gauge	•
1201TPG	SAE Thread Pitch Gauge	•
33-726	8m/26' 1-1/4 FatMax® Tape Rule	•
MHT2	Powercap Pickup 3.5/5lb	•
MHTC2	2-1/4" Round Telescoping Mirror	•
TG120	Radial Tire Gauge 12-48 PSI	•
AC384	1/4" Female NPT Dual Chuck	•
DDC61232F	Digital Caliper with Fractions	•
FG4450	Spark Plug Gap Gauge with Handle	•
PTX7E-MEASURE	Foam Only - Measuring Tools Set	•

FOAMSTER SET

AUTOMASTERFOAM

27" EDGE TOOL BOX AND AUTO TOOLS MASTER

PRODUCT #	DESCRIPTION
FOAM7E-12DRIVE	8-Pc. 1/2" Drive Tool Foam Set
FOAM7E-12MET	30-Pc. 1/2" Drive Metric Socket Foam Set
FOAM7E-12SAE	29-Pc. 1/2" Drive SAE Socket Foam Set
FOAM7E-14COMBO	53-Pc. 1/4" Drive Combo Socket Foam Set
FOAM7E-FLAREWR	11-Pc. Flare Nut Wrench Foam Set
FOAM7E-MEASURE	16-Pc. Measuring Foam Set
FOAM7E-PCCOMBO	15-Pc. Punch and Chisel Foam Set
FOAM7E-PICKSCR	9-Pc. Pick and Scraper Foam Set
FOAM7E-TORXHEX	73-Pc. Torx® Hex Master Set
FOAM14E-38COMBO	65-Pc. 3/8" Drive Combo Socket Foam Set
FOAM14E-PLIERS	13-Pc. Plier Foam Set
FOAM14E-SCREWDR	17-Pc. Screwdriver Foam Set
FOAM21E-WRENCH	33-Pc. 12-Point Combo Wrench Foam Set
E2722-STP-RDBK	27" Edge Toolbox - Red & Black



FOAM7E-14COMBO



FOAM7E-12DRIVE





FOAM7E-12MET



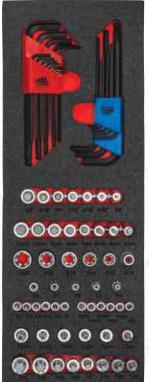
FOAM7E-12SAE



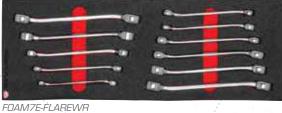


FOAM7E-MEASURE

FOAM7E-PICKSCR



FOAM7E-TORXHEX





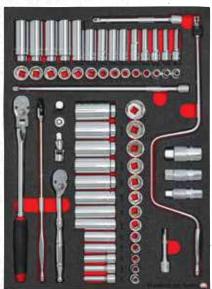
FOAM14E-PLIERS



FOAM14E-SCREWDR



FOAM7E-PCCOMBO



FOAM14E-38COMBO



FOAM21E-PTWRENCH







SUB-CATEGORIES:

182

COMBINATION WRENCHES

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ANGLE WRENCHES

189

OPEN-END WRENCHES

190

OFFSET BOX-END WRENCHES

192

FLARE NUT WRENCHES

193

CROWFOOT WRENCHES

194

RATCHETING WRENCHES

199

PIPE AND ADJUSTABLE WRENCHES

201

ORGANIZERS

BETTER GRIPLESS ROUNDING





AVAILABLE IN VARIOUS CONFIGURATIONS

SCB7PTKS

7-PC. SAE COMBINATION WRENCH SET - 12-PT.

INCLUDES:

3/8" Through 3/4"

SMB10KKS

10-PC. METRIC COMBINATION WRENCH SET - 12-PT.

INCLUDES:

10 Through 19mm

SCB76PTKS

7-PC. SAE COMBINATION WRENCH SET - 6-PT.

INCLUDES:

3/8" Through 3/4"

SCB15K2KS

15-PC. SAE COMBINATION WRENCH SET - 12-PT.

INCLUDES:

1/4" Through 1"

SMB14KKS

14-PC. METRIC COMBINATION WRENCH SET - 12-PT.

INCLUDES:

6 Through 19mm

SMHB10KS

10-PC. METRIC COMBINATION WRENCH SET - 6-PT.

INCLUDES:

10 Through 19mm

SCB182KS

18-PC. SAE COMBINATION WRENCH SET - 12-PT.

INCLUDES:

1/4" Through 1-1/4"

SMB19KS

19-PC. METRIC COMBINATION WRENCH SET - 12-PT.

INCLUDES:

6 Through 24mm

SMB5KS

5-PC. METRIC COMBINATION WRENCH SET - 12-PT.

INCLUDES:

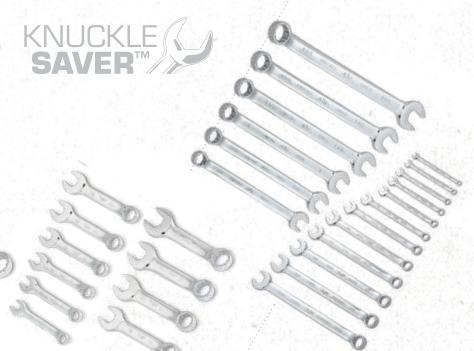
24, 26, 27, 30, and 32mm



KNUCKLE SAVER WRENCHES AND SETS

FEATURES

- Professional-grade box end strength
- Thick chrome plating for a hard and durable, corrosion-resistant finish that's easy to clean
- Wide shank for strength and comfort
 Knuckle Seven design provides, more
- Knuckle Saver design provides more contact area over a typical wrench



SXS112PTR

11-PC. SAE KNUCKLE SAVER™ SHORT COMBINATION WRENCH SET - 12-PT.

PRODUCT #		SIZ	E (IN)	OVERALL LENGTH IN. / MM	SET
SXS112	PTR	11-PC. S	SAE Knuckle	Saver Short Wrench	Set
	CXS	82KS	1/4"	3-1/4" / 82.5	•
	CXS	92KS	9/32"	3-3/8" / 85.8	•
	CXS	102KS	5/16"	3-1/2" / 88.9	•
	CXS	112KS	11/32"	3-5/8" / 92.2	•
	CXS	122KS	3/8"	3-3/4" / 95.2	•
SAE 12	CXS	142KS	7/16"	3-15/16" / 100	•
	CXS	162KS	1/2"	4-5/16" / 109.4	•
	CXS	182KS	9/16"	4-1/2" / 114.3	•
	CXS	202KS	5/8"	4-7/8" / 123.9	•
	CXS	222KS	11/16"	5-1/16" / 128.5	•
	CXS	242KS	3/4"	5-7/16" / 138.1	•

SXSM102PTR

10-PC. METRIC KNUCKLE SAVER™ SHORT COMBINATION WRENCH SET - 12-PT.

PRODUCT#		SIZE (I		OVERALL LENGTH In. / MM	SET
SXSM10)2PTR	11-PC. S	AE Knucl	kle Saver Short Wrench	Set
	MXS	62KS	6	3-1/4" / 82.5	
	MXS	72KS	7	3-3/8" / 85.8	
	MXS	82KS	8	3-1/2" / 88.9	
	MXS	92KS	9	3-5/8" / 92.2	
	MXS	102KS	10	3-3/4" / 95.2	•
	MXS	112KS	11	3-15/16" / 100	•
MM	MXS	122KS	12	4-5/16" / 109.4	•
12	MXS	132KS	13	4-1/2" / 114.3	•
	MXS	142KS	14	4-7/8" / 123.9	•
	MXS	152KS	15	4-11/16" / 119.1	•
	MXS	162KS	16	4-7/8" / 123.9	•
	MXS	172KS	17	5-1/16" / 128.5	•
	MXS	182KS	18	5-1/4" / 133.3	•
	MXS	192KS	19	5-7/16" / 138.1	•

SCB182KS / SCB15K2KS / SCB7PTKS

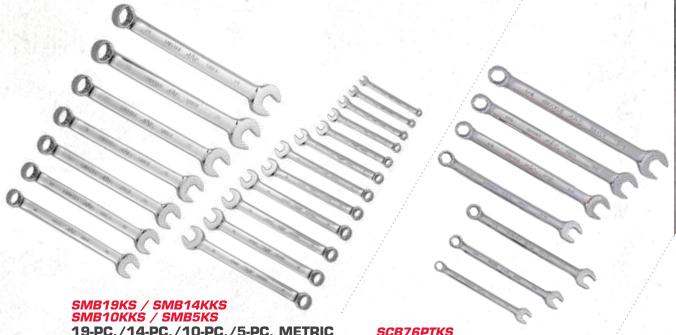
18-PC./15-PC./7-PC. SAE

LINE COMPLICATION

18-PC./15-PC./7-PC. SAE KNUCKLE SAVER™ COMBINATION WRENCH SETS - 12-PT

PRODUCT	PRODUCT #		ZE (IN)	OVERALL LENGTH IN. / MM		SET	
SCB182	KS	18-PC. S	AE Knuckle Sa	wer Wrench Set			
SCB15K	2KS	15-PC. S	AE Knuckle Sa	wer Wrench Set			
SCB7PT	KS	7-PC. SA	E Knuckle Sav	er Wrench Set			
	CB8	2KS	1/4"	4-7/8" / 123.8		•	•
	CB9	2KS	9/32"	5-5/32" / 131		•	•
	CB1	O2KS	5/16"	5-3/8" / 136.5		•	•
	CB1	12KS	11/32"	5-5/8" / 142.9		•	•
	CB1	22KS	3/8"	6" / 152.4	•	•	•
	CB1	42KS	7/16"	7" / 177.8	•	•	•
	CB1	62KS	1/2"	8" / 203.2	•	•	•
	CB1	82KS	9/16"	8-7/8" / 225.4	•	•	•
	CB2	O2KS	5/8"	9-1/2" / 241.3	•	•	•
SAE 12	CB2	22KS	11/16"	10-1/4" / 260.4	•	•	•
	CB2	42KS	3/4"	11" / 279.4	•	•	•
	CB2	62KS	13/16"	11-7/8" / 301.6		•	•
	CB2	82KS	7/8"	12-1/2" / 317.5		•	•
	CB3	O2KS	15/16"	13-1/4" / 336.6		•	•
	CB3	22KS	1"	14" / 355.6		•	•
	CB3	42KS	1-1/16"	14-7/8" / 377.83			•
	CB3	62KS	1-1/8"	15-7/8" / 403.2			•
	CB3	82KS	1-3/16"	15-7/8" / 403.2			
	CB4	O2KS	1-1/4"	16-7/8" / 428.6			•





19-PC./14-PC./10-PC./5-PC. METRIC **KNUCKLE SAVER COMBINATION WRENCH SETS - 12-PT.**

	V 11/4		the section 3.			1		
PRODUCT	ſ#	SIZ	E (MM)	OVERALL LENGTH IN. / MM		SI	ET	
SMB19	KS	19-PC.	Metric Knuck	le Saver Wrench Set - 1	2-PT.			
SMB14	KKS	14-PC.	Metric Knuck	le Saver Wrench Set - 1	2-PT.			
SMB10	KKS	10-PC. I	Vletric Knuckle	Saver Wrench Set - 12-P	T.			
SMB5K	S	5-PC. N	letric Knuckle	Saver Wrench Set				
	MBI	62KS	6	4-29/32" / 124.6			•	•
	MB	72KS	7	5-5/32" / 131			•	•
	МВ	B2KS	8	5-13/32" / 137.3			•	•
	MB	92KS	9	5-21/32" / 143.7			•	•
	MB	102KS	10	5-7/8" / 150		•	•	•
	MB	112KS	11	6-7/8" / 175.4		•	•	•
	MB	122KS	12	7-11/16" / 195.7		•	•	•
	MB	132KS	13	7-7/8" / 200.8		•	•	•
	MB	142KS	14	8-13/16" / 223.8		•	•	•
	MB	152KS	15	9-1/8" / 232.6		•	•	•
	MB	162KS	16	9-9/16" / 242.5		•	•	•
MM 12	MB	172KS	17	10-1/4" / 261.1		•	•	•
	MB	182KS	18	10-5/8" / 271.5		•	•	•
	MB	192KS	19	11" / 279.4		•	•	•
	МВ	202KS	20	11-27/64" / 290.1				•
	MB	212KS	21	11-13/16" / 300				•
	МВ	222KS	22	12-17/32" / 318.3				•
	MB	232KS	23	12-59/64" / 328.2				•
	МВ	242KS	24	13-5/16" / 338.1	•			•
	MB	262KS	26	14-41/64" / 371.9	•			
	МВ	272KS	27	14-7/8" / 377.83	•			
	MB	302KS	30	15-55/64" / 402.8	•			
	MR	322KS	32	16-59/64" / 429 8				

SCB76PTKS

7-PC. SAE KNUCKLE SAVER COMBINATION WRENCH SET - 6-PT.

PRODUC	PRODUCT #		ľE (IN)	OVERALL LENGTH In. / MM	SET
SCB76P	TKS	7-PC. S	AE Knuckle S	aver Wrench Set	
	CB8	6KS	1/4"	4-7/8" / 123.8	
	CB1	O6KS	5/16"	5-3/8" / 136.5	
	CB1	16KS	11/32"	5-5/8" / 142.9	
	CB1	26KS	3/8"	6" / 152.4	•
SAE	CB1	46KS	7/16"	7" / 177.8	•
6	CB1	66KS	1/2"	8" / 203.2	•
	CB1	86KS	9/16"	8-7/8" / 225.4	•
	CB2	06KS	5/8"	9-1/2" / 241.3	•
	CB2	26KS	11/16"	10-1/4" / 260.4	•
	CB2	46KS	3/4"	11" / 279.4	•

SMHB10KS

10-PC. METRIC KNUCKLE SAVER COMBINATION WRENCH SET - 6-PT.

PRODUCT #		SIZ	E (MM)	OVERALL LENGTH IN. / MM	SET
SMHB1	OKS	10-PC.	Metric Knuck	de Saver Wrench Set	
	MB1	106KS	10	5-7/8" / 150	•
	MB1	116KS	11	6-7/8" / 175.4	•
	MB1	126KS	12	7-11/16" / 195.7	•
	MB1	136KS	13	7-7/8" / 200.8	•
MM	MB1	146KS	14	8-13/16" / 223.8	•
6	MB1	156KS	15	9-1/8" / 232.6	•
	MB1	166KS	16	9-9/16" / 242.5	•
	MB1	176KS	17	10-1/4" / 261.1	•
	MB1	186KS	18	10-5/8" / 271.5	•
	MB1	196KS	19	11" / 279.4	•

WRENGHES KNUCKLE SAVER WRENCHES AND SETS

FEATURES

- Professional-grade box end strength
- Thick chrome plating for a hard and durable, corrosion-resistant finish that's easy to clean
- Wide shank for strength and comfort • Knuckle Saver design provides more









SCL11LKS / SCL7LPTKS 11-PC./7-PC. SAE KNUCKLE SAVER LONG COMBINATION WRENCH SETS - 12-PT.

PRODUCT	PRODUCT #		ZE (IN)	OVERALL LENGTH In. / MM	SI	ET
SCL11L	KS	11-PC.	SAE Knuckl	e Saver Long Wrench Se	t	
SCL7LP	TKS	7-PC. 9	SAE Knuckle	Saver Long Wrench Set		
	CL1	2LKS	3/8"	7" / 177.8	•	•
	CL1	4LKS	7/16"	8" / 203.2	•	•
	CL1	6LKS	1/2"	9" / 228.6	•	•
	CL1	8LKS	9/16"	10" / 254	•	•
	CL2	OLKS	5/8"	11" / 279.4	•	•
SAE 12	CL2	2LKS	11/16"	12" / 304.8	•	•
	CL2	4LKS	3/4"	13" / 330.2	•	•
•	CL2	6LKS	13/16"	14" / 355.6		•
	CL2	8LKS	7/8"	15" / 381		•
	CL3	OLKS	15/16"	16" / 406.4		•
	CL3	2LKS	1"	17" / 431.8		•

PRODUCT	r#	SIZE (IN)	OVERALL LENGTH IN. / MM
	CL42R	1-5/16"	17-5/8" / 447.68
	CL44R	1-3/8"	18-1/2" / 469.9
	CL46R	1-7/16"	19-3/8" / 492.13
	CL48R	1-1/2"	20-1/4" / 514.35
	CL52R	1-5/8"	23" / 584.2
SAE	CL54R	1-11/16"	23" / 584.2
12	CL56R	1-3/4"	25" / 635
	CL58R	1-13/16"	25" / 635
	CL60R	1-7/8"	28" / 711.2
	CL64R	2"	28" / 711.2
	CL68R	2-1/8"	29-7/8" / 758.83
	CL80R	2-1/2"	32" / 812.8
	"B" wre	nches are l	NOT Knuckle Saver

SCLLM102KS

METRIC KNUCKLE SAVER LONG **COMBINATION WRENCH SET - 12-PT.**

PRODUCT #		SIZE	(MM)	OVERALL LENGTH IN. / MM	SET
SCLLM10	I2KS	10-PC. Me	tric Knuckle	Saver Long Wrench Set	
	CLL2	IOMMKS	10	7-13/16" / 198.4	•
	CLL2	11MMKS	11	8-1/4" / 209.6	•
	CLL2	12MMKS	12	8-5/8" / 219.1	•
_	CLL2	13MMKS	13	9-1/16" / 230.2	•
MM	CLL2	14MMKS	14	9-1/2" / 241.3	•
12	CLL2	15MMKS	15	10-1/16" / 255.6	•
	CLL2	16MMKS	16	10-9/16" / 268.3	•
	CLL2	17MMKS	17	11-1/8" / 282.6	•
	CLL2	18MMKS	18	11-3/4" / 298.5	•
	CLL2	19MMKS	19	12-3/8" / 314.3	•
12 12	CLL2°	15MMKS 16MMKS 17MMKS 18MMKS	15 16 17 18	10-1/16" / 255.6 10-9/16" / 268.3 11-1/8" / 282.6 11-3/4" / 298.5	•

COMBINATION WRENCHES AND SETS



14-PC./5-PC. SAE
COMBINATION WRENCH SETS

PRODUCT	PRODUCT #		ZE (IN)	OVERALL LENGTH In. / MM	SI	EΤ
SCL14P	T	14-PC.	SAE Combina	tion Wrench Set		
SCL5PT		5-PC. S	AE Combinat	ion Wrench Set		
	CL8		1/4"	5" / 127		•
	CL9	2440	9/32"	5-1/2" / 139.7		•
	CL1	02440	5/16"	6" / 152.4		•
	CL1	12440	11/32"	6-1/2" / 165.1		•
	CL1	22440	3/8"	7" / 177.8		•
	CL14	42440	7/16"	7-1/2" / 190.5		•
	CL1	62440	1/2"	8-1/4" / 209.6		•
	CL18	B2440	9/16"	8-3/4" / 222.3		•
	CL2	02440	5/8"	9-3/4" / 247.7		•
SAE 12	CL2	22440	11/16"	10-1/4" / 260.4		•
	CL2	42440	3/4"	11-1/4" / 285.8		•
	CL2	62440	13/16"	12" / 304.8		•
	CL28	82440	7/8"	13" / 330.2		•
	CL3	02440	15/16"	13-1/2" / 342.9		•
	CL3	22440	1"	14" / 355.6	•	
	CL3	42440	1-1/16"	14-1/2" / 368.3	•	
	CL3	62440	1-1/8"	15-3/4" / 400.1	•	
	CL3	82440	1-3/16"	16-1/4" / 412.8	•	
	CL4	02440	1-1/4"	16-1/2" / 419.1	•	

SCLM14PT / SCLM5PT / SCLM5XLPT 14-PC./5-PC./5-PC. METRIC COMBINATION WRENCH SETS

PRODUCT #		SIZ	E (MM)	OVERALL LENGTH IN. / MM		SET	
SCLM14	4PT	14-PC.	Metric Combi	nation Wrench Set			
SCLM5	PT	5-PC. M	letric Combin	ation Wrench Set			
SCLM5	KLPT	5-PC. N	letric Combin	ation Wrench Set			
	M60	CL440	6	5" / 127			•
	M70	CL440	7	5-1/2" / 139.7			•
	M80	CL440	8	6" / 152.4			•
	M90	CL440	9	6-1/2" / 165.1			•
	M10	OCL440	10	7" / 177.8			•
	M11	ICL440	11	7-1/2" / 190.5			•
	M12	2CL440	12	7-3/4" / 196.9			•
	M13	BCL440	13	8-1/4" / 209.6			•
	M14	ICL440	14	8-3/4" / 222.3			•
	M15	CL440	15	9-1/4" / 241.3			•
	M16	CL440	16	9-3/4" / 247.7			•
MM	M17	CL440	17	10-1/4" / 260.4			•
12	M18	BCL440	18	10-3/4" / 273.1			•
	M19	OCL440	19	11-1/4" / 285.8			•
	M20	CL440	20	11-1/2" / 292.1		•	
	M21	ICL440	21	12-1/4" / 311.2		•	
	M22	2CL440	22	12-3/4" / 323.8		•	
	M23	BCL440	23	13-1/4" / 336.6		•	
	M24	ICL440	24	13-3/4" / 349.3		•	
	M26	CL440	26	14" / 355.6	•		
	M27	CL440	27	14-3/4" / 374.7	•		
	M27	CL440	28	15-3/4" / 400.1	•		
	M30	CL440	30	16-1/2" / 419.1	•		
	M32	2CL440	32	17" / 431.8	•		

MRANGHES ANGLE WRENCHES AND SETS

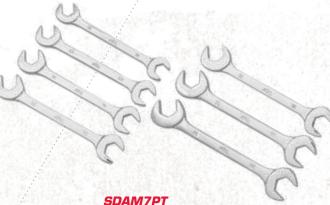
FEATURES

- Open-end set at 60° the other at 15°
- Both ends are the same size, therefore one wrench can be used in different directions for better leverage and has four different turning angles per wrench
- Excellent on jam nuts, aircraft, and close clearance applications



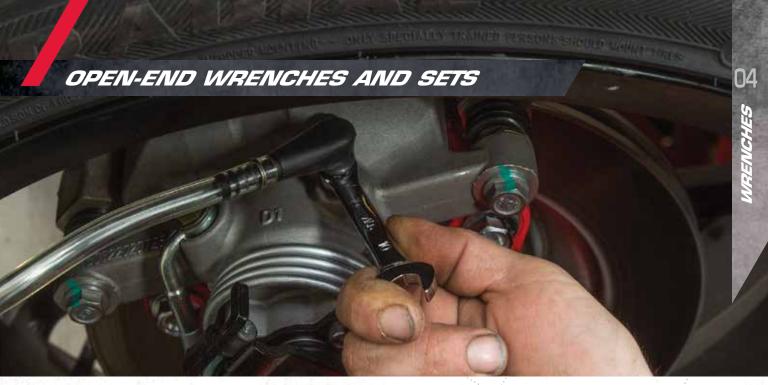
ANGLE WRENCH SETS

	PRODUCT	Г#	SI	ZE (IN)	OVERALL LENGTH In. / MM	SI	ΕT
	SDA18K	(18-PC.	SAE Angle Wr	rench Set		
	SDA11K		11-PC.	SAE Angle Wr	rench Set		
		DA1	2	3/8"	4-3/4" / 120.7	•	•
		DA1	4	7/16"	5" / 127	•	•
		DA1	6	1/2"	5-1/4" / 133.4	•	•
		DA1	8	9/16"	5-5/8" / 142.9	•	•
1		DA2	0	5/8"	6" / 152.4	•	•
		DA2	2	11/16"	6-1/2" / 165.1	•	•
		DA2	4	3/4"	7" / 177.8	•	•
		DA26		13/16"	7-1/2" / 190.5	•	•
		DA2	8	7/8"	8" / 203.2	•	•
		DA3	0	15/16"	8-3/4" / 222.3	•	•
		DA3	2	1"	9-1/2" / 241.3	•	•
*	SAE	DA3	4	1-1/16"	10-1/4" / 260.4		•
		DA3	6	1-1/8"	11" / 279.4		•
		DA3	8	1-3/16"	11-3/4" / 298.5		
		DA4	0	1-1/4"	12-1/4" / 311.2		•
		DA4	2	1-5/16"	13-1/8" / 333.4		•
		DA4	4	1-3/8"	13-3/4" / 349.3		•
		DA4	6	1-7/16"	14" / 355.6		•
		DA4	8	1-1/2"	14-1/2" / 368.3		•
		DA5	6	1-3/4"	17-1/8" / 435		
		DA6	0	1-7/8"	19-1/4" / 489		
		DA6	4	2"	19-3/4" / 501.7		



7-PC. METRIC ANGLE WRENCH SET

PRODUCT #		SIZ	E (MM)	OVERALL LENGTH IN. / MM	SET
SDAM7	PT	7-PC. N	Netric Angle V	Vrench Set	
	M9E	DA	9	4-3/4" / 120.7	
	M10	DDA	10	4-7/8" / 123.8	
	M11	IDA	11	5-1/4" / 133.4	
	M12	2DA	12	5-1/4" / 133.4	•
	M13	BDA	13	5-1/2" / 139.7	•
ММ	M14	IDA	14	5-5/8" / 142.9	•
IVIIVI	M15	DA	15	5-15/16" / 150.8	•
	M16	6DA	16	6-1/8" / 155.6	•
	M17	/DA	17	6-1/2" / 165.1	•
	M18	BDA	18	6-3/4" / 171.5	•
	M19	DA	19	7" / 177.8	
	КВЗ	55B			•



THIN OPEN-END WRENCHES

- Allows for easy access in tight work areas
- Polished, chrome-plated finish for easy clean-up and corrosion protection
- Tappett-style wrenches are great for use with jam nuts
- Head thickness of 0.155" and 10" length



PRODUCT #		SIZE (IN)		OVERALL LENGTH IN. / MM	SET
SDT6PT 6-PC. S			AE Thin Open-end	Wrench Set	
	DT1	012	5/16" x 3/8"	10" / 254	•
	DT1	416	7/16" x 1/2"	10" / 254	•
SAE	DT1	820	9/16" x 5/8"	10" / 254	•
SAE	DT2	224	11/16" x 3/4"	10" / 254	•
	DT2	628	13/16" x 7/8"	10" / 254	•
	DT3	032	15/16" x 1"	10" / 254	•

SDTM5PT 5-PC. METRIC THIN OPEN-END WRENCH SET

PRODUCT #		S	IZE (MM)	OVERALL LENGTH IN. / MM	SET
SDTM5PT		5-PC. N	Metric Thin Open-6	end Wrench Set	
	DTIV	11011	10 x 11	10" / 254	•
	DTIV	11213	12 x 13	10" / 254	•
ММ	DTIV	11415	14 x 15	10" / 254	•
	DTIV	11618	16 x 18	10" / 254	•
	DTIV	11719	17 x 19	10" / 254	•

WRENCHES OFFSET BOX-END WRENCHES AND SETS



SBHFM62KPA / SBHFM52PA

6-PC./5-PC. METRIC LONG 0° OFFSET **DOUBLE BOX-END WRENCH SETS**

PRODUCT #		SIZ	E (MM)	OVERALL LENGTH IN. / MM	S	ΕT
SBHFM	32KPA	6-PC. N	Netric Long Do	ouble Box Wrench Set -	12-PT	
SBHFMS	52PA	5-PC. N	letric Long Do	uble Box Wrench Set - 12	?-PT.	
	внгма	B9PA	8 x 9	9-3/16" / 233.4		•
	BHFM8	310PA	8 x 10	9-5/8" / 244.5	•	
	BHFM1	011PA	10 x 11	10-3/32" / 256.4		•
	BHFM1	012PA	10 x 12	10-39/64" / 269.5	•	
	BHFM1	213PA	12 x 13	11-11/64" / 283.8		•
MM 12	BHFM1	214PA	12 x 14	11-25/32" / 299.2	•	
	BHFM1	415PA	14 x 15	12-7/16" / 315.9		•
	BHFM1	417PA	14 x 17	13-59/64" / 353.6	•	
	BHFM1	618PA	16 x 18	14-29/64" / 367.1		•
	BHFM1	719PA	17 x 19	14-19/32" / 370.7	•	•
	BHFM2	224PA	22 x 24	17-25/64" / 441.7		



SBOM62PTR

6-PC. METRIC 10° MODIFIED OFFSET **DOUBLE BOX-END WRENCH SET - 12-PT.**

PRODUCT #		SIZ	!E (MM)	OVERALL LENGTH IN. / MM	SET
SBOM62PTR			Metric 10° Mo Box-End Wre	odified Offset nch Set - 12-PT.	
	BOM28	310R	8 x 10	7-7/16" / 188.9	
	BOM2	1011R	10 x 11	7-15/16" / 201.6	•
	BOM2	1214R	12 x 14	9" / 228.6	•
MM	BOM2	1315R	13 x 15	9-1/2" / 241.3	•
12	BOM2	1417R	14 x 17	10" / 254	
	BOM2	1618R	16 x 18	10-5/8" / 269.9	•
	BOM2	1719R	17 x 19	11-3/8" / 288.9	•
	BOM2	2124R	21 x 24	13-3/8" / 339.7	•

6-PC. SAE 15° OFFSET DOUBLE BOX-END WRENCH SET - 12-PT.

DOX	LIAD A	MEINGII	3E1 - 1E-F	11.
PRODUCT #		SIZE (IN)	OVERALL LENGTH IN. / MM	SET
SB6PTR	6-PC. S	SAE Offset Double I	Box Wrench Set - 12-PT	
	B1012R	5/16" x 3/8"	7-1/8" / 181	•
	B1416R	7/16" x 1/2"	8-1/4" / 209.6	•
SAE	B1820R	9/16" x 5/8"	9-21/32" / 245.3	•
12	B2224R	11/16" x 3/4"	11-11/32" / 288.1	•
	B2628R	13/16" x 7/8"	13-5/16" / 338.1	•
	B3032R	15/16" x 1"	15-1/2" / 393.7	•

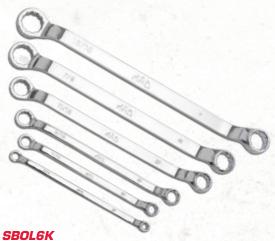


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GREAT TO WORK WITH



6-PC. SAE LONG 60° DEEP OFFSET BOX-END WRENCH SET - 12-PT.

PRODUCT #		SIZE (IN)	OVERALL LENGTH IN. / MM	SET	
SB0L6K		6-PC. S	AE Long Deep Offset	Box-End Wrench Set - 1	2-PT.
	BO	L810	1/4" x 5/16"	7" / 177.8	•
	BO	L1214	3/8" x 7/16"	7-3/8" / 187.3	•
SAE	BO	L1618	1/2" x 9/16"	8-1/2" / 215.9	•
12	BO	L2022	5/8" x 11/16"	10-3/4" / 273.1	•
	BO	L2428	3/4" x 7/8"	11-5/8" / 295.3	•
	BO	L2630	13/16" x 15/16"	13-1/2" / 342.9	•
	KB	152			•
	3				



5-PC. METRIC 60° DEEP OFFSET DOUBLE BOX-END WRENCH SET - 12-PT.

PRODUCT #		SIZE (MM)		OVERALL LENGTH IN. / MM	SET
SBODM52PTR			etric 60° Deep Ofl lox-End Wrench S		
E	BODM	21011R	10 x 11	7-3/4" / 196.9	•
	BODM	21214R	12 x 14	8-1/4" / 209.6	•
MM 12	BODM	21315R	13 x 15	9" / 228.6	•
	BODM	21618R	16 x 18	9-5/8" / 244.5	•
	BODM	21719R	17 x 19	10-1/3" / 262.5	•



SBE5B

5-PC. INVERTED TORX® BOX-END WRENCH SET

- For use on external Torx® fasteners
- Includes ten most popular sizes
- High polish chrome-plated finish for easy clean-up and long lasting corrosion protection

PRODUCT #	SIZE	OVERALL LENGTH IN. / MM	SET
SBE5B	5-PC. Inverted Torx®	Box Wrench Set	
BE68	E6 x E8	4-25/64" / 111.5	•
BE1012	E10 x E12	5-1/2" / 139.7	•
BE1418	E14 x E18	7-3/32" / 180.2	•
BE1622	E16 x E22	7-57/64" / 200.4	•
BE2024	E20 x E24	8-51/64" / 223.5	•

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WRENGHES FLARE NUT WRENCHES AND SETS

FLARE NUT DOUBLE-END WRENCHS

- Designed for soft metal flare nut
- 270° Wraparound on box end allows torque to be transmitted on five sides to prevent fastener distortion
- Crowned handle edges for more comfortable grip

FLARE NUT OPEN-END WRENCHS

- Open-end set at 15°
- Flare nut end offset 15°
- · Thin open-end also provides easy access
- Countersink box end for easy fastener engagement



8-PC./5-PC. SAE FLARE NUT

DOUBLE-END WRENCH SETS

PRODUCT #			SIZE (IN)	OVERALL LENGTH IN. / MM	SET	
SFB86K	R	8-PC. S	AE Double End Fla	re Nut Wrench Set - 6-	PT.	
SFB56P	TR	5-PC. S	AE Double End Flar	e Nut Wrench Set - 6-PT.		
	FB810	6R	1/4" x 5/16"	5-1/2" / 139.7	•	•
	FB1012		5/16" x 3/8"	6" / 152.4		•
	FB121	46R	3/8" x 7/16"	6-1/4" / 158.8	•	•
SAE	FB161	86R	1/2" x 9/16"	7-1/4" / 184.2	•	•
6	FB202	26R	5/8" x 11/16"	8" / 203.2	•	•
	FB242	66R	3/4" x 13/16"	8-3/4" / 222.3	•	•
	FB243	26R	3/4" x 1"	9-1/4" / 235		•
	FB283	66R	7/8" x 1-1/8"	9-1/2" / 241.3		•

7-PC. SAE FLARE NUT OPEN-END **COMBINATION WRENCH SET - 6-PT.**

PRODUCT#		SIZE (IN)	OVERALL LENGTH IN. / MM	SET	
SFC7PT		7-PC.	SAE Combination	Flare Nut Open-End Wrenc	h Set
	FC	106	5/16"	5-1/4" / 133.4	•
	FC	126	3/8"	5-9/16" / 142.9	•
	FC	146	7/16"	5-29/32" / 150	•
SAE G	FC	166	1/2"	6-15/32" / 164.3	•
Y	FC	186	9/16"	6-7/8" / 174.6	•
	FC	206	5/8"	7-17/32" / 191.3	•
	FC	226	11/16"	8-1/8" / 206.4	•

SFBM116KR / SFBM66PTR 11-PC./6-PC. METRIC FLARE NUT **DOUBLE-END WRENCH SETS**

PRODUCT #		SI	ZE (MM)	OVERALL LENGTH In. / MM	SI	ī
SFBM11	I6KR	11-PC. N	letric Double-End	l Flare Nut Wrench Set -	6-PT.	
SFBM66	6PTR	6-PC. Me	etric Double-End	Flare Nut Wrench Set		
	FB681	OMMR	8 x 10	6" / 152.4		•
	FB691	1MMR	9 x 11	6-1/4" / 158.8	•	•
	FB6101	2MMR	10 x 12	6-1/2" / 165.1	•	•
	FB6111	3MMR	11 x 13	6-3/4" / 171.5		•
	FB6121	4MMR	12 x 14	7" / 177.8		•
MM 6	FB6131	4MMR	13 x 14	7-1/4" / 184.2	•	•
ت	FB6141	7MMR	14 x 17	7-1/2" / 190.5		•
	FB6151	7MMR	15 x 17	7-3/4" / 196.9	•	•
	FB6161	8MMR	16 x 18	8" / 203.2	•	•
	FB6182	OMMR	18 x 20	8-1/4" / 209.6		•
	FB6192	1MMR	19 x 21	8-3/4" / 222.3	•	•

SFCM7PT

7-PC. METRIC FLARE NUT OPEN-END **COMBINATION WRENCH SET - 6-PT.**

PRODUCT #		SI	ZE (MM)	OVERALL LENGTH In. / MM	
SFCM7P	Т	7-PC. Met	ric Combination Fla	re Nut Open-End Wrench	Set
	FC	68MM	8	5-1/4" / 133.4	•
	FC	69MM	9	5-7/16" / 138.1	•
	FC	610MM	10	5-21/32" / 143.7	•
MM 6	FC	611MM	11	5-29/32" / 150	•
V	FC	612MM	12	6-3/16" / 157.2	•
	FC	613MM	13	6-15/32" / 164.3	•
	FC	614MM	14	6-7/8" / 174.6	•

CROWFOOT WRENCHES AND SETS



11-PC. 3/8" DRIVE SAE **CROWFOOT WRENCH SET**

PRODUCT #		s	IZE (IN)	OVERALL LENGTH IN. / MM	
SC011K	(S	11-PC	. 3/8" Drive S	AE Crowfoot Wrench Se	t
	C012	KS	3/8"	1-1/4" / 31.8	•
	C014	KS	7/16'	1-9/32" / 32.6	•
	C016	KS	1/2"	1-35/64" / 35.4	•
	C018	KS	9/16"	1-9/16" / 39.5	•
	C020	KS	5/8"	1-41/64" / 41.7	•
SAE	C022	KS	11/16"	1-55/64" / 47.1	•
	C024	KS	3/4"	1-57/64" / 48.1	•
	C026	KS	13/16"	1-61/64" / 49.7	•
	C028	KS	7/8"	2" / 50.9	•
	C030	KS	15/16"	2-1/16" / 52.5	•
	C032	KS	1"	2-1/8" / 53.8	•



SMCOS10KS 10-PC. 3/8" DRIVE METRIC **CROWFOOT WRENCH SET**

	PRODUCT #		SIZE (MM)		OVERALL LENGTH IN. / MM	
	SMC0S10	OKS 1	10-PC	. 3/8" Drive N	letric Crowfoot Wrench	Set
		MC010	KS	10	1-5/16" / 33.4	•
		MCO11	KS	11	1-11/32" / 33.9	•
1		MC012	KS	12	1-7/16" / 36.6	•
		MC013	KS	13	1-15/32" / 37.1	•
	мм	MCO14	KS	14	1-31/64" / 37.7	•
		MC015	KS	15	1-19/32" / 40.3	•
		MC016	KS	16	1-5/8" / 41.4	•
		MCO17	KS	17	1-11/16" / 42.8	•
	МСО	MC018	KS	18	1-57/64" / 48.1	•
		MC019	KS	19	1-59/64" / 48.7	•



SCOV5KS 5-PC. 1/2" DRIVE SAE **CROWFOOT WRENCH SET**

PRODUCT #		S	IZE (IN)	OVERALL LENGTH IN. / MM	
SCOV5K	S	5-PC.	1/2" Drive SA	E Crowfoot Wrench Set	
	COV34KS		1-1/16"	2-7/8" / 72.8	•
	COV3	6KS	1-1/8"	2-31/32" / 75.3	•
SAE	COV4	OKS	1-1/4"	2-17/64" / 82.9	•
	COV4	4KS	1-3/8"	3-21/64" / 84.7	•
	COV4	8KS	1-1/2"	3-13/32" / 86.5	•

WRENCHES RATCHETING WRENCHES AND SETS







SRWS210PTA

10-PC. SAE SHORT REVERSIBLE RATCHETING WRENCH SET - 12-PT.

PRODUCT #		SIZE (IN)		OVERALL LENGTH IN. / MM	SET
SRWS2	10PTA	10-PC. SAE	Short Reve	sible Ratcheting Wrenc	h Set
	RWS2	14PTA	1/4"	3-5/32" / 80	•
	RWS2	516PTA	5/16"	3-35/64" / 90	•
	RWS2	1132PTA	11/32"	3-21/32" / 93	•
_	RWS2	ЗВРТА	3/8"	3-47/64" / 95	•
SAE	RWS2	716PTA	7/16"	4-1/16" / 103	•
12	RWS2	12PTA	1/2"	4-1/4" / 108	•
	RWS2	916PTA	9/16"	4-17/32" / 115	•
	RWS2		5/8"	4-27/32" / 123	•
	RWS2	1116PTA	11/16"	5" / 127	•
	RWS2	34РТА	3/4"	5-1/2" / 139	•

SRWMS214PTA

14-PC. METRIC SHORT REVERSIBLE RATCHETING WRENCH SET - 12-PT.

PRODUCT#		SIZE	MM)	OVERALL LENGTH IN. / MM	SET
SRWMS	214PTA	14-PC. Me	tric Short Re	eversible Ratcheting Wren	ch Set
	RWS261	VIMPTA	6	3-1/3" / 86	•
	RWS271	VIMPTA	7	3-1/2" / 88	•
	RWS281	VIMPTA	8	3-35/64" / 90	•
	RWS291	VIMPTA	9	3-21/32" / 93	•
	RWS210	OMMPTA	10	3-47/64" / 95	•
_	RWS211	IMMPTA	11	4-1/16" / 103	•
MM	RWS212	2MMPTA	12	4-11/64" / 106	•
12	RWS213	ВММРТА	13	4-1/4" / 108	•
	RWS214	ІММРТА	14	4-17/32" / 115	•
	RWS215	БММРТА	15	4-11/16" / 119	•
	RWS216	SMMPTA	16	4-27/32" / 123	•
	RWS217	имрта	17	5" / 127	•
	RWS218	ВММРТА	18	5-5/32" / 131	•
	RWS219	ЭММРТА	19	5-15/32" / 139	•

SRW0212PTB

12-PC. SAE REVERSIBLE RATCHETING WRENCH SET - 12-PT.

PRODUCT #		SIZE (IN)		OVERALL LENGTH IN. / MM	SET
SRW021	2PTB	12-PC. SAE I	Reversible	Ratcheting Wrench Set	
	RW02	14PTA	1/4"	5-1/4" / 134	•
	RW02	516PTA	5/16"	5-1/2" / 139.7	•
	RW02	1132PTA	11/32"	5-7/8" / 150	•
	RW02	ЗВРТА	3/8"	6-7/32" / 158	•
	RW02	716PTA	7/16"	6-1/2" / 165	•
SAE 12	RW02	12PTA	1/2"	7" / 177.8	•
12	RW02	916PTA	9/16"	7-1/2" / 190.5	•
	RW02	58PTA	5/8"	8-3/16" / 208	•
	RW02	1116PTA	11/16"	8-7/8" / 225	•
	RW02	34РТА	3/4"	9-3/4" / 247	•
	RW02	78PTA	7/8"	11-5/16" / 280	•
	RW02	1516PTA	15/16"	12-1/2" / 305	•
			,,,,		



SRWM0212PTB / SRWM026PT

12-PC./6-PC. METRIC REVERSIBLE RATCHETING WRENCH SETS - 12-PT.

1	WREI	NCH	SETS	5 - 12	2-PT.				
	PRODUCT #	#	SIZE	(MM)	OVERALL LENGTH IN. / MM	SI	ŧΤ		
	SRWM0212PTB		12-PC. Metric Reversible Ratcheting Wrench Set						
	SRWM020	6PT	6-PC. Larg	e Metric Rev	versible Ratcheting Wrend	h Set			
		RW027MI	VIPTA	7	5-1/2" / 139.7		•		
1		RW028MI	VIPTA	8	5-7/8" / 150		•		
		RW0210N	IMPTA	10	6-7/32" / 158		•		
1		RW0211N	IMPTA	11	6-1/2" / 165		•		
1		RW0212N	IMPTA	12	6-3/4" / 171		•		
		RW0213N	IMPTA	13	7" / 177.8		•		
		RW0214N	IMPTA	14	7-1/2" / 190.5		•		
		RW0215N	IMPTA	15	7-13/16" / 199		•		
	MM 12	RW0216N	IMPTA	16	8-3/16" / 208		•		
	12	RW0217N	IMPTA	17	8-7/8" / 225		•		
1		RW0218N	IMPTA	18	9-5/16" / 236		•		
١		RW0219N	IMPTA	19	9-3/4" / 247		•		
1		RW0221N	IMPTA	21	11-1/3" / 288	•			
1		RW0222N	IMPTA	22	11-1/3" / 288	•			
		RW0224N	IMPTA	24	12-2/3" / 321	•			
		RW0227N	IMPTA	27	14" / 357	•			
		RW0230N	IMPTA	30	15-7/9" / 401	•			
		RW0232N	IMPTA	32	16-2/3" / 424	•			



RATCHETING WRENCHES AND SETS



SRWF28PTB 8-PC. SAE FLEX

RATCHET WRENCH SET

PRODUCT #		SIZE (IN)		OVERALL LENGTH In. / MM	SET
SRWF28	ВРТВ	8-PC. SAE F	lex Ratchet W	rench Set	
	RWF2	516PTA	5/16"	5" / 127	•
	RWF2	38РТА	3/8"	5-23/64" / 136	•
	RWF2	716PTA	7/16"	5-35/64" / 141	•
SAE	RWF2	12PTA	1/2"	6-1/8" / 155.5	•
12	RWF2	916PTA	9/16"	6-23/64" / 161.7	•
	RWF2	58PTA	5/8"	7-3/64" / 179	•
	RWF2	1116PTA	11/16"	7-31/64" / 190	•
	RWF2	34РТА	3/4"	8-15/32" / 215	•

SRWMF212PTB

12-PC. METRIC FLEX **RATCHET WRENCH SET**

PRODUCT	PRODUCT#		E (MM)	OVERALL LENGTH IN. / MM	SET
SRWMF	212PTB	12-PC. M	etric Flex Rate	chet Wrench Set	
	RWF8M	MPTA	8	5" / 127	•
	RWF9M	MPTA	9	5-11/64" / 131.5	•
	RWF10N	лмрта	10	5-23/64" / 136	•
	RWF11N	лмрта	11	5-35/64" / 141	•
	RWF12N	лмрта	12	5-13/16" / 147.5	•
MM	RWF13N	лмрта	13	6-1/8" / 155.5	•
12	RWF14N	ЛМРТА	14	6-23/64" / 161.7	•
	RWF15N	лмрта	15	6-23/32" / 170.8	•
	RWF16N	лмрта	16	7-3/64" / 179	•
	RWF17N	лмрта	17	7-31/64" / 190	•
	RWF18N	лмрта	18	7-63-64" / 203	•
	RWF19N	лмрта	19	8-15/32" / 215	•



SRWLF28PTA

8-PC. SAE LOCKING **FLEX RATCHET WRENCH SET**

PRODUCT #		SIZE (IN)		OVERALL LENGTH In. / MM	SET
SRWLF2	8PTA	8-PC. SAE Lo	cking Flexible	- -Head Ratcheting Wrench	Set .
	RWLF	2516PTA	5/16"	5" / 127	•
	RWLF	238PTA	3/8"	5-23/64" / 136	•
	RWLF	2716PTA	7/16"	5-35/64" / 141	•
SAE	RWLF	212PTA	1/2"	6-1/8" / 155.5	•
12	RWLF	2916PTA	9/16"	6-23/64" / 161.7	•
	RWLF	258PTA	5/8"	7-3/64" / 179	•
	RWLF	21116PTA	11/16"	7-31/64" / 190	•
	RWLF	234PTA	3/4"	8-15/32" / 215	•

SRWMLF212PTA

12-PC. METRIC LOCKING FLEX RATCHET WRENCH SET

PRODUCT	PRODUCT #		E (MM)	OVERALL LENGTH In. / MM	SET		
SRWML	F212PTA	12-PC. I	12-PC. Metric Locking Flex Ratchet Wrench Set				
	RWLF7M	MPTA	8	5" / 127	•		
	RWLF8M	MPTA	9	5-11/64" / 131.5	•		
	RWLF10N	имрта	10	5-23/64" / 136	•		
	RWLF11N	имрта	11	5-35/64" / 141	•		
	RWLF12N	имрта	12	5-13/16" / 47.5	•		
MM	RWLF13N	имрта	13	6-1/8" / 155.5	•		
12	RWLF14N	ЛМРТА	14	6-23/64" / 161.7	•		
	RWLF15N	имрта	15	6-23/32" / 170.8	•		
	RWLF16N	имрта	16	7-3/64" / 179	•		
	RWLF17N	имрта	17	7-31/64" / 190	•		
	RWLF18N	имрта	18	7-63-64" / 203	•		
	RWLF19N	ЛМРТА	19	8-15/32" / 215	•		





SRW0126PT

12-PC. SAE REVERSIBLE RATCHETING WRENCH SET - 6-PT.

PRODUCT	T# SIZE (OVERALL LENGTH IN. / MM	SET
SRW01	26PT	12-PC. SAE	Reversible l	Ratcheting Wrench Set	
	RW06	14PT	1/4"	5-1/4" / 134	•
	RW06	516PT	5/16"	5-1/2" / 140	•
	RW06	1136PT	11/32"	5-7/8" / 150	•
	RW06	38PT	3/8"	6-7/32" / 158	•
	RW06	716PT	7/16"	6-1/2" / 165	•
SAE	RW06	16PT	1/2"	7" / 178	•
6	RW06	916PT	9/16"	7-1/2" / 190	•
	RW06	58PT	5/8"	8-3/16" / 208	•
	RW06	1116PT	11/16"	8-7/8" / 225	•
	RW06	34PT	3/4"	9-3/4" / 247	•
	RW06	78PT	7/8"	11-5/16" / 280	•
	RW06	1516PT	15/16"	12-1/2" / 305	•

SRWM0126PT

12-PC. METRIC OFFSET REVERSIBLE RATCHETING WRENCH SET - 6-PT.

PRODUCT #		SIZE (MM)		OVERALL LENGTH IN. / MM	SET
SRWM	0126PT	12-PC. Me	12-PC. Metric Offset Reversible Ratcheting Wro		ch Set
	RW067	MMPT	7	3-1/2" / 88	•
	RW068	MMPT	8	3-35/64" / 90	•
	RW061	OMMPT	10	3-47/64" / 95	•
	RW061	1MMPT	11	4-1/16" / 103	•
	RW061	2MMPT	12	4-11/64" / 106	•
MM	RW061	ЗММРТ	13	4-1/4" / 108	•
6	RW061	4ММРТ	14	4-17/32" / 115	•
	RW061	5MMPT	15	4-11/16" / 119	•
	RW061	6MMPT	16	4-27/32" / 123	•
	RW061	7MMPT	17	5" / 127	•
	RW061	8ММРТ	18	5-5/32" / 131	•
	RW061	RW0619MMPT		5-15/32" / 139	•

RATCHETING WRENCHES AND SETS



10-PC. SAE STUBBY
RATCHETING WRENCH SET - 6-PT

PRODUCT #		SIZE (IN)		OVERALL LENGTH In. / MM	
SRWS10	16PT	10-PC. SA	LE Stubby Of	fset Ratcheting Wrench	Set
	RWS614	IPT	1/4"	3-5/32" / 80	•
	RWS651	6PT	5/16"	3-35/64" / 90	•
	RWS611	136PT	11/32"	3-21/32" / 93	•
	RWS638	PT	3/8"	3-47/64" / 95	•
SAE	RWS671	I6PT	7/16"	4-1/16" / 103	•
6	RWS616	PT	1/2"	4-1/4" / 108	•
	RWS691	I6PT	9/16"	4-17/32" / 115	•
	RWS658	BPT	5/8"	4-27/32" / 123	•
	RWS611	16PT	11/16"	5" / 127	•
	RWS634	IPT	3/4"	5-1/2" / 139	•

SRWMS146PT

14-PC. METRIC STUBBY OFFSET RATCHETING WRENCH SET - 6-PT.

PRODUCT#		SIZE (MM)		OVERALL LENGTH IN. / MM	
SRWMS	146PT	14-PC. M Wrench S		Offset Ratcheting	
	RWS661	MMPT	6	3-1/3" / 86	•
	RWS671	NMPT	7	3-1/2" / 88	•
	RWS68I	MMPT	8	3-35/64" / 90	•
	RWS691	ИМРТ	9	3-21/32" / 93	•
	RWS610	ІММРТ	10	3-47/64" / 95	•
	RWS611	ІММРТ	11	4-1/16" / 103	•
MM	RWS612	MMPT	12	4-11/64" / 106	•
6	RWS613	ВММРТ	13	4-1/4" / 108	•
	RWS614	IMMPT	14	4-17/32" / 115	•
	RWS615	іммрт	15	4-11/16" / 119	•
	RWS616	ММРТ	16	4-27/32" / 123	•
	RWS617	ММРТ	17	5" / 127	•
	RWS618	вимрт	18	5-5/32" / 131	•
	RWS619	ММРТ	19	5-15/32" / 139	•



SRWF86PT

8-PC. SAE FLEX-HEAD RATCHETING WRENCH SET - 6-PT.

PRODUCT #		SIZE		OVERALL LENGTH IN. / MM	
SRWF86	PT	8-PC. SAE	Flex-Head I	Ratcheting Wrench Set	
	RWF651	6PT	5/16"	5" / 127	•
	RWF638	PT	3/8"	5" / 127	•
	RWF671	6PT	7/16"	5" / 127	•
SAE	RWF616	PT	1/2"	5" / 127	•
6	RWF691	6PT	9/16"	5" / 127	•
	RWF658	PT	5/8"	5" / 127	•
	RWF611	16PT	11/16"	5" / 127	•
	RWF634	PT	3/4"	5" / 127	•

SRWMF126PT

12-PC. METRIC FLEX-HEAD RATCHETING WRENCH SET - 6-PT.

PRODUCT #		SIZE (MM)		OVERALL LENGTH In. / MM	
SRWMF1	126PT	12-PC. M	etric Flex-H	ead Ratcheting Wrench	Set
	RWF67N	ЛМРТ	7	-	•
	RWF68N	лмрт	8	5-23/64" / 127	•
	RWF610	MMPT	10	5-35/64" / 136	•
	RWF611	MMPT	11	5-13/16" / 141	•
	RWF612		12	5-13/16" / 147.5	•
MIM	RWF613	MMPT	13	6-1/8" / 155.5	•
6	RWF614	MMPT	14	6-23/64" / 161.7	•
	RWF615	MMPT	15	6-23/32" / 170.8	•
	RWF616	MMPT	16	7-3/64" / 179	•
	RWF617	MMPT	17	7-31/64" / 190	•
	RWF618	MMPT	18	7-63-64" / 203	•
	RWF619	MMPT	19	8-15/32" / 215	•





PIPE WRENCHES

- Full-floating hook jaw
- Instant grip, easy release
- Spring suspension eliminates jamming

PRODUCT #	CAPACITY	OVERALL LENGTH IN. / MM
PWR12	2"	12" / 304.8
PWR18	2-1/2"	18" / 457.2
PWR24	3"	24" / 609.6



3-PC. PRECISION ADJUSTABLE WRENCH SET

 Perfectly matched knurl and teeth for smooth operation and fit

d teeth AWP6B

• Small angle 15° head

PRODUCT #	CAPACITY	OVERALL LENGTH In. / MM	SET
AW3SETA	3-PC. Precis	ion Adjustable Wrench Set	
AWP6BA	3/4"	6" / 152.4	•
AWP8BA	15/16"	8" / 203.2	•
AWP10BA	1-1/8"	10" / 254	•
AJ12B	1-5/16"	12" / 304.8	
AJ15B	1-11/16"	15" / 381	
AJ18B	2-1/16"	18" / 457.2	
AJ24B	2-7/16"	24" / 609.6	

PWR18

ADJUSTABLE SPECIALTY WRENCHES



GNW63 **GLAND NUT WRENCH**

- Fully adjustable to fit hydraulic cylinders on vehicles having gland nuts from 1" to 3-3/4" in diameter
- Reverses to fit 1/4" or 7/32" pin holes
- Use it with a 1/2" square drive to loosen the toughest gland nuts

GNW66

ADJUSTABLE GLAND NUT WRENCH

- Designed to fit hydraulic cylinders on most farm and construction equipment
- Adjusts to fit gland nuts from 2" to 6" diameter pin to pin
- Reversible to fit 1/4" and 5/16" pin holes
- Heavy-duty wrench features a 3/4" square drive

CHAIN WRENCHES

- · Forged from chrome-vanadium stee
- · Wraps around and holds irregular shaped objects

PRODUCT #	CAPACITY	OVERALL LENGTH IN. / MM
WC12	4"	12" / 304.8
WC24	6"	24" / 609.6



3-PC. ADJUSTABLE FACE SPANNER WRENCH SET IN KIT BAG

· Services seal and packing nuts on hydraulic cylinders

PRODUCT #	CAPACITY	OVERALL LENGTH IN. / MM	PIN Depth	PIN THICKNESS	SET
SSWF3K	3-PC. Adjust	able Face Spanner Wrenc	h Set in Kit	Bag	
SWF2	2"	6-3/8" / 161.9	1/4"	3/16"	•
SWF3	3"	8-1/4" / 209.6	1/4"	1/4"	•
SWF4	4"	10-3/8" / 263.5	3/8"	5/16"	•



SSWP4K

4-PC. ADJUSTABLE PIN SPANNER WRENCH SET IN KIT BAG

- · Services collars, lock nut rings, and bearings
- Single jaw construction

PRODUCT #	CAPACITY RANGE	JAW THICKNESS	OVERALL LENGTH IN. / MM	PIN DIAMETER	PIN LENGTH	SET
SSWP4K	4-PC. Adjustable	Pin Spanner W	rench Set in Kit Bag			
SWP1	3/4" to 2"	11/32"	6-3/8" / 161.9	1/8"	1/8"	•
SWP2	1-1/4" to 3"	13/32"	8-1/8" / 206.4	3/16"	3/16"	•
SWP3	2" to 4-3/4"	15/32"	11-3/8" / 288.9	1/4"	1/4"	•
SWP4	4-1/2" to 6-1/4"	15/32"	12-1/8" / 308	3/8"	1/4"	•



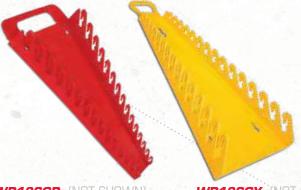
SSWH4K

4-PC. ADJUSTABLE HOOK SPANNER WRENCH SET IN KIT BAG

- · Services collars, lock nut rings, and bearings
- Single jaw construction

PRODUCT #	CAPACITY RANGE	HOOK Depth	OVERALL LENGTH IN. / MM	HOOK THICKNESS	SET
SSWH4K	4-PC. Adjustable	Hook Spanner	Wrench Set in Kit Bag		
SWH1	3/4" to 2"	1/8"	6-3/8" / 161.9	11/32"	•
SWH2	1-1/4" to 3"	5/32"	8-1/8" / 206.4	13/32"	•
SWH3	2" to 4-3/4"	3/16"	11-3/8" / 288.9	15/32"	•
SWH4	4-1/2" to 6-1/4"	1/4"	12-1/8" / 308	15/32"	•

ORGANIZERS HOLDERS AND RACKS



WR12SGR (NOT SHOWN) 12-PC. RED - FORWARD

WR15SGR 15-PC. RED - FORWARD WR12SGY (NOT SHOWN)

12-PC. YELLOW - REVERSE

WR15SGY

15-PC. YELLOW - REVERSE

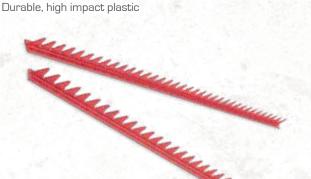
12-PC. STEEL WRENCH HOLDER

- · Cold-rolled steel is black plastic coated
- · Holes allow secure mounting

WR515B

SOFT GRIP WRENCH RACKS

- Forward or reverse configuration for maximum space usage of drawers
- Durable, high impact plastic



DW02B

DRAWER WRENCH ORGANIZER

- Two 24" long plastic organizers
- · Adhesive, non-slip, foam-backed strips
- · Can be cut to fit any drawer or wrench set size
- · Holds up to thirty-five wrenches in full 24" (609.6mm)
- · "V" notches make sizes easily identifiable

WRS5GY 5-PC. YELLOW

WRS5GR 5-PC. RED

WRS7GY (NOT SHOWN) 7-PC. YELLOW

WRS7GR (NOT SHOWN) 7-PC. RED

WRS10GY (NOT SHOWN) 10-PC. YELLOW

WRS10GR (NOT SHOWN) 10-PC. RED

WRS11GY

11-PC. YELLOW

WRS11GR 11-PC. RED



LOCK-A-WRENCH

- · A simple twist of one wrench to lock or unlock the entire set
- Magnetic backing makes this vertical organizer convenient to attach to steel surfaces
- · Designed to securely hold a variety of wrenches



MAGNETIC WRENCH RACKS

· Allows you to hang ten wrenches with magnetic holders





TORGUE MRENUCH









ELECTRONIC TORQUE SMART TORQUE WRENCHES



SMART TORQUE WRENCHES

- · Connected Torque Wrench allows for fast, easy and accurate torque setting.
- App control for advanced features to set torque target, help reduce errors and record measurements for audit.
- Torque history data transfer through mobile application.
- · Haptic feedback, positive mechanical click and LED lights for precise control of applied torque.
- Square profiled rubber bumper to help prevent roll-away and reduce drop.
- Digital Torque Wrench with 2% accuracy CW/CCW and Angle measurement +/- 1 degree.
- Calibration status reporting to ASME or user defined schedule.
- Includes protective Blow Mold Case, fast 2A charger, micro USB cable, charging dock, manual and calibration certificate.

PRODUCT #	DRIVE SIZE	TORQUE RANGE FT-LBS. / NM	OVERALL LENGTH IN. / MM	INCREMENTS FT-LBS. / NM
TWMS22BT	1/4"	1.1-22.1 / 1.5-30	17.13 / 435.10	0.1 / 0.14
TWXS100BT	3/8"	4.9-99.6 / 6.7-135	17.20 / 436.88	0.1 / 0.14
TWVS250BT	1/2"	12.5-250 / 17-340	32.28 / 819.91	0.1 / 0.14



TWXS100BT

TWMS22BT

TORQUE AND ANGLE ADAPTERS

DIGITAL TORQUE AND ANGLE ADAPTERS

- +/-3% Clockwise or +/-4% counterclockwise for torque accuracy
- Five selectable units Nm, ft-lbs., in-lbs., kg.cm, degree
- Fifty data memory for recall and joint torque-angle auditing
- Buzzer and LED indicator for the nine pre-settable target torques or angles
- · Auto Sleep after about two minutes idle
- ASME B107.28

PRODUCT #	DRIVE SIZE	TORQUE RANGE FT-LBS.	TORQUE RANGE IN-LBS.	TORQUE RANGE NM
TWVTA250	1/2" Drive	15-250	150-3009	17-340
TWXTA100	3/8" Drive	5-100	60-1195	6.8-135





MICROMETER TORQUE WRENCHES



AXIS™ 90 TORQUE WRENCHES

- 90-Tooth pear head ratchet gives 4° arc swing for increased access in tight spaces
- Metal knurled handle with profiled grip for durability and comfort
- Lock ring to prevent accidental adjustment, knurled for grip
- · Hard etched durable scale for legibility
- Accuracy +/4% CW +/-6% CCW

PRODUCT #	DRIVE SIZE	TORQUE RANGE IN-LBS. / NM	OVERALL LENGTH IN. / MM	INCREMENTS IN-LBS. / NM
TWM200HTC	1/4"	40-200 / 4.5-22.5	12 / 304.8	1 / 0.11
TWX200HTC	3/8"	40-200 / 4.5-22.5	12 / 304.8	1 / 0.11

MICROMETER ADJUSTABLE TORQUE WRENCHES

- Calibrated to +/-4% in clockwise direction and +/-6% in counterclockwise direction
- Positive locking mechanism-dial and lock in the desired torque
- · Non-slip knurled handle
- Reversible ratchet head

PRODUCT #	DRIVE SIZE	TORQUE RANGE FT-LBS. / NM	OVERALL LENGTH IN. / MM	INCREMENTS FT-LBS. / NM
TWX1000FC	3/8"	16 -80 / 22.6-113.0	15-1/2" / 393.7	0.42 / 0.56
TWX80FC	3/8"	10 -80 / 20.3-115.2	14-7/8" / 377.8	0.5 / 0.68
TWX100FC	3/8"	20-100 / 33.9-142.3	16-1/2" / 419.1	0.5 / 0.68
TWV150FC	1/2"	30-150 / 47.4-210.1	20-1/2" / 520.7	1 / 1.36
TWV250FC 1/2"		50-250 / 74.5-345.7	26-1/4" / 666.8	1 / 1.36
TWZ600	3/4"	120-600 / 162.8-814.0	41-1/2" / 1054.1	2 / 2.71

ROUND-HEAD TORQUE WRENCHES

ROUND-HEAD MICRO ADJUSTABLE TORQUE WRENCHES

COMMON FEATURES:

- Micrometer torque wrenches come on strong for ongoing torquing operations, providing uniform accuracy and repeatability over the full range of settings
- +/-4% Clockwise
- Design places less stress on individual components so wrenches last and stay calibrated longer
- Round-head design
- Non-slip knurled handle
- · Easy-to-read and set for error-free adjustments
- Automatic locking torque adjustment
- · No risk of accidental release
- Ergonomic-design handle with knurled design for safety
- Increased length for improved torque transfer and accuracy

PRODUCT # DRIVE SIZE		TORQUE RANGE IN-LBS. / NM	OVERALL LENGTH In. / MM	INCREMENTS IN-LBS. / NM	
TWM50 1/4"		10–50 / 1.13-5.65	7-61/64" / 202	1 / 0.11	
TWM200A	1/4"	30-200 / 3.96-23.16	9-1/2" / 241.3	1 / 0.11	
TWX250	3/8"	50-250 / 6.20-28.82	9-1/2" / 241.3	1 / 0.11	





- Torques accurately where working space is limited or obstructed
- 17° Flex in each direction
- +/-4% Clockwise

PRODUCT # DRIVE	SIZE FT-LI	BS. / NM	OVERALL LENGTH IN. / MM	INCREMENTS FT-LBS. / NM
TWXF75 3/8	" 5-75 /	6.78-101.7	16-5/8" / 422.3	0.5 / 0.68
TWXF100 3/8	" 10-100 /	10.17–105.06	17-3/32" / 434.2	0.5 / 0.68
TWVF250 1/2	" 30–250 /	47.45–345.68	22" / 558.8	1 / 1.36



TWXF25C



TWV250P

1/2" DRIVE SPLIT-BEAM TORQUE WRENCH

- Flex-head for added versatility
- Easy to use by adjusting setting with fingertip
- Don't have to set to zero after use
- Nickel/Chrome finish makes this tool durable and easy to clean
- Comfortable grip allows you to use this with more control

OVERALL LENGTH	TORQUE RANGE FT-LBS.	SCALE FT-LBS.
22-1/8"	40-250	5

SPLIT-BEAM TORQUE WRENCHES

- Operating mechanism relies on measuring the deflection of a set of split beams
- Beams remain slack until tool is torqued, allowing tool to be stored at any value without degradation of the accuracy - no need to return tool to the bottom of the scale after use

PRODUCT #	DRIVE SEIZE	OVERALL LENGTH	TORQUE RANGE IN-LBS.	TORQUE RANGE FT-LBS.	SCALE IN-LBS.	SCALE FT-LBS.
TWX600IP	3/8"	17-5/64"	100-600	-	10	-
TWX100P	3/8"	17-5/64"	-	20-100	-	2
TWZ400P	3/4"	34-7/64"	-	130-400	-	10
TWZ600P	3/4"	48-29/64"	-	200-600	-	10

DIAL TORQUE WRENCHES



TWDFX50FT

TWDFX150IN

SPECIALTY TORQUE TOOLS



X-4® GEARED HEAD TORQUE MULTIPLIERS

- Generates powerful torque with precision and ease
- Planetary gear train is totally enclosed for protection
- · All internal parts made of high-grade alloy steel
- Unit may be disassembled for inspection or repair; requires little, if any, maintenance

Due to frictional losses in the tool, actual output will vary from 10-20% in each stage of multiplication

TD1000-R is an anti-backlash model especially useful where fastening system has spring-back condition or where an extended reaction bar is used

PRODUCT #	INPUT DRIVE	OUTPUT Drive	RATIO	OUTPUT CAPACITY FT-LBS. / NM	OVERALL LENGTH IN. / MM
LW750	1/2"	3/4"	4:1	1,000 / 1,356	22" / 558.8
TD1000	3/4"	1"	4:1	2,000 / 2,712	25" / 635.0
TD1000-R	3/4"	1"	4:1	2,000 / 2,712	25" / 635.0



TORQUE SCREWDRIVERS

- Accuracy exceeds ISO 6789 specified performance of +/-6%
- · Automatically releases upon reaching the specified torque
- · Automatically resets to preset torque value
- Supplied with calibration certificate and adjusting hex key

PRODUCT #	DRIVE Size	INCREMENTS IN-LBS. / NM	LENGTH In. / MM	TORQUE RANGE IN-LBS. / NM	
TSM16-88	1/4"	4 / 0.45	6-5/8" / 168.2	16-88 / 1.8-9.94	
TSM4-22	1/4"	1 / 0.11	5-25/32" / 146.8	4-22 / 0.45-2.49	

TW-ANGLE DIGITAL MAGNETIC ANGLE METER

- +/-2° (rotating 90° at speed of 30°/sec) for angle accuracy
- Buzzer and LED indicator for the nine pre-settable target torques or angles.
- Auto Sleep after about two minutes idle
- ASME B107.28

TM281

TORQUE ANGLE METER

- For all torque-to-yield fastener applications
- Commonly used for tightening head bolts and other bolts where a torque angle is required
- Use with 1/2" drive



TW-ANGLE

BOX END TORQUE ADAPTER SETS

· 2" Center-to-center

• 5. Ce	enter	-to-cen	ter	U O1	3	10
PRODUC'	Γ#		SIZE IN. / MM	OVERALL LENGTH IN. / MM		ET
SXB92H		9-PC. 3/8	B" Drive SA	E Box End Torque Adapter	Set	
SXBM1	02H	10-PC. 3	/8" Drive N	letric Box End Torque Ada	pter	
	XB8	2A	1/4"	2-9/16" / 65.1		
XB10		02A	5/16"	2-19/32" / 65.9		
	XB12 XB14 XB16 SAE XB18	22A	3/8"	2-11/16" / 68.3		•
		42A	7/16"	2-3/4" / 69.9		•
		62A	1/2"	2-25/32" / 70.6		•
SAE		82A	9/16"	2-27/32" / 72.2		•
	XB2	02A	5/8"	2-7/8" / 73		•
	XB2	22A	11/16"	2-29/32" / 73.8		•
	XB2	42A	3/4"	2-31/32" / 75.4		•
	XB2	62A	13/16"	3" / 76.2		•
	XB2	82A	7/8"	3-1/16" / 77.8		•
	XB2	10MMR	10	2-5/8" / 66.7	•	
ХВ	XB2	11MMR	11	2-5/8" / 66.7	•	
	XB2	12MMR	12	2-3/4" / 69.9	•	
	XB2	13MMR	13	2-3/4" / 69.9	•	
MM	XB2	14MMR	14	2-3/4" / 69.9	•	
	XB2	15MMR	15	2-3/4" / 69.9	•	
	XB2	16MMR	16	2-3/4" / 69.9	•	
	XB2	17MMR	17	2-7/8" / 73	•	
	XB2	18MMR	18	2-7/8" / 73	•	



SXBM102H

2-7/8" / 73

XB219MMR





ST PLIERS





PRODUCT #	DESCRIPTION	OVERALL LENGTH IN. / MM	JAW LENGTH In. / MM	CUTTING ABILITY/ CAPACITY			S	ET		
PS5CST	5-PC. C.S.T. Combination Pliers Set									
PS5SCST	5-PC. C.S.T. Small Combination Pliers Set									
PS4LNCST	4-PC. C.S.T. Long Nose Pliers Set									
PS3AJCST	3-PC. C.S.T. Adjustable Joint Pliers Set									
PS2DCCST	2-PC. C.S.T. Diagonal Cutting Pliers Set									
PS2FCCST	2-PC. C.S.T. Flush Cutting Pliers Set									
P7SJCST	C.S.T. Slip-Joint Pliers	6-15/16" / 176	1-7/16" / 36	-					•	
P8SJCST	C.S.T. Slip-Joint Pliers	8-3/8" / 213	1-5/8" / 41	-						
P6LNCST	C.S.T. Long-Nose Pliers with Cutter	6-7/16" / 164	1-15/16" / 50	Yes				•	•	
P8LNCST	C.S.T. Long-Nose Pliers with Cutter	7-7/8" / 200	2-15/16" / 75	Yes				•		
P6BNCST	C.S.T. Bent Long-Nose Pliers with Cutter	6-7/16" / 164	1-15/16" / 50	Yes				•	•	
P8BNCST	C.S.T. Bent Long-Nose Pliers with Cutter	7-11/16" / 195	2-3/4" / 71	Yes				•		
P6FLNCST	C.S.T. Flat Long-Nose Pliers	6-7/16" / 164	1-15/16" / 50	-						
P8FLNCST	C.S.T. Flat Long-Nose Pliers	7-13/16" / 198	2-15/16" / 75	-						
P7AJCST	C.S.T. Adjustable Joint Pliers	7-1/8" / 181	1" / 25	-			•		•	
P10AJCST	C.S.T. Adjustable Joint Pliers	9-5/16" / 237	1-3/8" / 35	-			•			
P12AJCST	C.S.T. Adjustable Joint Pliers	12-1/2" / 318	1-13/16" / 46	-			•			
P5.5DCCST	C.S.T. Diagonal Cutting Pliers	5-1/2" / 139	5/8" / 16	Yes						
P6DCCST	C.S.T. Diagonal Cutting Pliers	6-5/16" / 161	11/16" / 18	Yes		•			•	
P7DCCST	C.S.T. Diagonal Cutting Pliers	7-1/8" / 181	13/16" / 20	Yes		•				
P8DCCST	C.S.T. Diagonal Cutting Pliers	7-7/8" / 200	7/8" / 22	Yes						
P6FCCST	C.S.T. Flush Cutting Diagonal Cutting Pliers	5-1/2" / 140	5/8" / 16	Yes	•					
P7FCCST	C.S.T. Flush Cutting Diagonal Cutting Pliers	7-1/16" / 180	3/4" / 19	Yes	•					
P8LMCST	C.S.T. Linesman's Pliers	8-1/16" / 205	1-11/16" / 43	Yes						
P10WRCST	C.S.T. Pliers Wrench	10-1/4" / 260	1-5/16" / 33	-						





- Made of high-alloy carbon steel
- · Drop-forged and heat-treated for strength and durability
- Steel surface polished and polymer-coated for corrosion resistance
- · Plastisol-dipped handles for comfort grip

PRODUCT #	DESCRIPTION	OVERALL LENGTH In. / MM	JAW LENGTH IN. / MM	MAX JAW CAPACITY IN. / MM	ADJUSTMENT Positions	CUTTING ABILITY/ CAPACITY	SET
PS56A(R,G,O)	5-PC. 6" Pliers with 8" Tongue and Groove						
P6SGA(R,G,O)	Slip-Joint Pliers	6-3/4" / 171.45	1-1/2" / 38.10	2-1/2" / 63.50	2	Yes	•
P8TGA(R,G,O)	Tongue and Groove Pliers	8-1/16" / 204.79	1-1/8" / 28.58	1" / 25.40	4	-	•
P6DCA(R,G,O)	Diagonal Cutter	6-1/4" / 158.75	2" / 50.80	1-5/8" / 41.28	-	Yes	•
P6LNCA(R,G,O)	Long Nose Pliers with Cutter	6-1/16" / 153.99	2" / 50.80	1-3/8" / 34.93	-	Yes	•
PGLBNCA(R,G,O)	Bent Nose Long Nose Pliers with Cutter	6-1/4" / 158.75	3/4" / 19.05	3/8" / 9.53	-	Yes	•
PS58A(R,G,O)	5-PC. 8" Pliers with 12" Tongue and Groove						
P12TGA(R,G,O)	Tongue and Groove Pliers	12" / 304.80	1-1/2" / 38.10	2" / 50.80	6	-	•
P8LMA(R,G,O)	Linesman Pliers	8" / 203.20	5/16" / 7.94	1-1/2" / 38.10	-	YES	•
P8LNA(R,G,O)	Long Nose Pliers	8" / 203.20	5/32" / 3.99	2-1/4" / 57.15	-	YES	•
P8SGA(R,G,O)	Slip-Joint Pliers	8-1/4" / 209.55	3/8" / 9.53	3-1/2" / 88.90	2	YES	•
P75CDCA(R,G,O)	Bent Nose Cutter	7-3/4" / 196.85	1" / 25.40	1-1/2 " / 28.58	-	YES	•



PRODUCT #	DESCRIPTION	OVERALL LENGTH In. / MM	JAW LENGTH In. / MM	MAX JAW CAPACITY IN. / MM	ADJUSTMENT Positions	CUTTING ABILITY/ CAPACITY	SET	
P3UNIV	3-PC. Universal Pliers Set	-PC. Universal Pliers Set						
P10C	Cobra Pliers	9-7/8" / 250.0	_	2" / 50.8	25	-	•	
P20	High-Leverage Diagonal Cutter	7-1/4" / 180.0	13/16" / 20.4	-	-	3/32"	•	
P13	Needle-Nose Pliers with Cutter	8" / 203.2	3" / 75.8	_	-	Yes	•	
PS38A	3-PC. Angled Pliers Set							
P7AD	Angled Diagonal Cutting Pliers	7" / 177.80	1-1/8" / 28.58	1-1/4" / 31.75	-	Yes	•	
P8ALN	Angled Long-Nose Pliers	8" / 203.20	2-3/8" / 60.33	1-7/16" / 36.51	-	Yes	•	
P8AC	Angled Combination Pliers	8" / 203.20	1-7/8" / 47.63	3/8" / 9.53	-	Yes	•	





PRODUCT #	DESCRIPTION	OVERALL LENGTH IN. / MM	JAW LENGTH IN. / MM	MAX JAW CAPACITY IN. / MM	CUTTING ABILITY/ CAPACITY	SET
PS10MA	10-PC. Mini Pliers Set					
PMLBNA	Mini Bent Long Nose Pliers	4-7/8" / 123.83	1-1/8" / 28.58	5/8" / 15.88	-	•
PMLNCA	Mini Long Nose Pliers with Cutter	4-7/8" / 123.83	1-1/8" / 28.58	5/8" / 15.88	Yes	•
PMDCA	Mini Diagonal Pliers	4-3/16" / 106.36	5/8" / 15.88	1/2" / 12.70	Yes	•
PMECA	Mini End Cutter	4-1/16" / 103.19	1/4" / 6.35	3/8" / 9.53	Yes	•
PMNNA	Mini Needle-Nose Pliers	6" / 152.40	2-1/8" / 53.98	1-3/8" / 34.93	-	•
PMLRBNA	Mini Long Reach 22° Bent Nose Pliers	7" / 177.80	2" / 50.80	1-1/8" / 28.58	-	•
PMLRNNA	Mini Long Reach Needle-Nose Pliers	7-1/4" / 184.15	2-1/8" / 53.98	1-3/8" / 34.93	-	•
PMLRDCA	Mini Long Reach Diagonal Cutter	5-3/4" / 146.05	5/8" / 15.88	1/2" / 12.70	Yes	•
PMLRECA	Mini Long Reach End Cutter	5-1/2" / 139.70	1/4" / 6.35	3/8" / 9.53	Yes	•
PMLRNCA	Mini Long Reach Long Nose Cutter	6-3/16" / 157.16	1-1/4" / 31.75	5/8" / 15.88	Yes	•

3-PC. KNIPEX® COBRA PLIER SET

- Push-button setting adjustment
 Functions as locking pliers, pump pliers, pipe wrench, and adjustable wrench
- Self-gripping jaws
- Provides perfect fit on round, square, and hex-shaped workpieces



PRODUCT #	DESCRIPTION	OVERALL LENGTH In. / MM	MAX JAW CAPACITY IN. / MM	ADJUSTMENT Positions	SET
SP3COB	3-PC. Knipex® Cobra Pliers Set				
P5C	Cobra Self-Gripping Pliers 5"	5" / 125	1" / 27	13	
P6C	Cobra Self-Gripping Pliers 6"	6" / 150	1-1/4" / 32.0	11	
P7C	Cobra Self-Gripping Pliers 7"	7-1/8" / 180	1-1/2" / 42	18	•
P10C	Cobra Self-Gripping Pliers 10"	9-7/8" / 250	2" / 50	25	•
P10CES	Cobra Extra-Slim Self-Gripping Pliers 10"	9-7/8" / 250	1-1/4" / 32	19	
P12C	Cobra Self-Gripping Pliers 12"	12" / 300	2-3/4" / 70	30	•
P16C	Cobra Self-Gripping Pliers 16"	15-3/4" / 400	3-1/2" / 90	27	
P22C	Cobra Self-Gripping Pliers 22"	22" / 560	4-1/2" / 115	30	





KNIPEX

220

ALLIGATOR PLIERS

- · Self-gripping jaws with safety stop
- Thin profile with box joint design ensures positive non-slip holding
- One-hand downward pressure on top handle

CP45

10" CANNON PLUG PLIERS

- Forged steel construction
- · Four-position slip-joint pivot
- · Soft jaw pads are easily replaceable
- · Ideal for Cannon Plugs, AN connectors, chrome motorcycle components and other sensitive surfaces

KNIPEX

PLIER WRENCHES

- For gripping, holding, pressing, and bending workpieces; also for the careful installation of finished-surface fittings
- Fast adjustment at the touch of a button with the tool on the workpiece
- Parallel, smooth jaws with 10:1 lever ratio for strong gripping
- · Box joint design ensures non-slip holding

PRODUCT #	DESCRIPTION	OVERALL LENGTH IN. / MM	MAX JAW CAPACITY IN. / MM	ADJUSTMENT Positions
P10C	10" Alligator Pliers	9-7/8" / 250.8	2" / 50.8	9
P5WR	5" Plier Wrenches	5" / 125	7/8" / 23	11
P7WR	7" Plier Wrenches	7-1/4" / 180	1-3/8" / 35	13
P10WR	10" Plier Wrenches	10" / 250	1-3/4" / 46	17
P12WR	12" Plier Wrenches	12" / 300	2-3/8" / 60	22
CP45	10" Cannon Plug Pliers	10-3/16" / 254	2-1/2" / 63.5	4







The tools on this page have been **PROUDLY MADE IN THE USA** with global components.



4-PC. SLIP-JOINT PLIERS SET

- Parallel jaw opening for bigger jobs
- Designed with undercut channels and reinforced ribs for gripping power
- Undercut tongue and groove design won't slip
- Right-angle, laser heat-treated teeth grip better and last longer
- Reinforcing edge minimizes stress breakage
- High-carbon C1080 steel for superior performance on the job and specially coated for ultimate rust prevention

PRODUCT #	DESCRIPTION	OVERALL LENGTH In. / MM	JAW LENGTH In. / MM	MAX JAW CAPACITY IN. / MM	ADJUSTMENT Positions	SET
PS4SJ	4-PC. Slip-Joint Pliers Set					
M424G	Mighty Midget Pliers	4-1/2" / 114.3	1/3" / 8	1/2" / 12.7	3	•
M426G	Slip-Joint Tongue and Groove Pliers	6-1/2" / 165.1	13/16" / 21	7/8" / 22.2	5	•
M420G	Multi-Purpose Pliers	9-1/2" / 241.3	1-1/8" / 28	1-1/2" / 38.1	5	•
M430G	Big Champ Pliers	10" / 254	1-3/8" / 35	2" / 50.8	7	
M440G	Big Champ Pliers	12" / 304.8	1-1/2" / 38	2-1/4" / 57.2	7	•
M460G	Big Champ Pliers	16" / 406.4	2-9/16" / 65	4-1/2" / 114.3	8	





8330015

S-HEAD, SWEDISH PATTERN PIPE WRENCHES

• Self-gripping, three contact point jaw (S-shaped) securely grips hex, square, or round workpieces without slipping

90° HEAD SWEDISH PATTERN WRENCHES

- Swedish pattern design is fast to adjust and easy to use
- I-Beam handle style provides greater strength and operating stability than a traditional pipe wrench style
- Offset multi-directional jaw teeth provide an excellent grip
- Serrated adjusting nut with integrated guard prevents unthreading
- Forged from oil-hardened, chrome vanadium electric steel for greater strength and longer tool life



PRODUCT #	DESCRIPTION	OVERALL LENGTH IN. / MM	MAX JAW CAPACITY IN. / MM	ADJUSTMENT Positions
8330015	S-Head Swedish Pattern Pipe Wrench	16-1/2" / 419.1	2-3/8" / 60.3	
8330010	S-Head Swedish Pattern Pipe Wrench	12-5/8" / 320.7	1-5/8" / 41.3	
8310015	90° Head Swedish Pattern Wrench	16-1/2" / 419.1	2-3/8" / 60.3	
8310010	90° Head Swedish Pattern Wrench	12-1/2" / 311.2	1-5/8" / 41.3	
M442G	12" Curved Jaw Pliers	12" / 304.8	2-1/4" / 57.2	7
M410G	9-1/2" Self-Gripping Pliers	9-1/2" / 241.3	1-1/8" / 28.6	4
M414G	14" Self-Gripping Pliers	14" / 355.6	2" / 50.8	4
P3G	5-1/2" Ignition Pliers	5" / 127	1/2" / 12.7	3
P7G	6-3/4" Angle-Nose Slip-Joint Pliers	6-3/4" / 171.45	3/4" / 19.05	3
P9G	10" Angle-Nose Slip-Joint Pliers	10 / 254	2-1/8" / 53.98	7



The tools on this page have been PROUDLY MADE IN THE USA with global components.



3-PC. SLIP-JOINT PLIERS SET

- · Equipped with wire cutters
- Slip-joint plier allows quick adjustments to securely grip objects ranging in thickness
- Drop forged for added strength and durability
- Plastic-dipped handle for increased grip and chemical resistance



P11HD-B

BENT NOSE LONG-REACH HEAVY-DUTY PLIERS - 11"

P11HD-S

STRAIGHT NOSE LONG-REACH HEAVY-DUTY PLIERS - 11"

- Heavy-duty plate steel body
- 2" Serrated jaw with heavy-duty cutting shear
- Dual position slip-joint
- · Heavy-duty cutting shear
- 60% More needle-nose steel

PRODUCT #	DESCRIPTION	OVERALL LENGTH IN. / MM	JAW LENGTH In. / MM	ADJUSTMENT Positions	CUTTING ABILITY/ CAPACITY	SET		
PS3	3-PC. Slip-Joint Pliers Set	-PC. Slip-Joint Pliers Set						
G24A	Slip-Joint Pliers	4" / 101.6	1/2" / 12.7	2	Yes			
P26A	Slip-Joint Pliers	6-1/2" / 165.1	1-5/32" / 29.5	2	Yes	•		
P28A	Slip-Joint Pliers	8" / 203.2	1-13/32" / 35.7	2	Yes	•		
P30AR	Slip-Joint Pliers	10" / 254.0	1-7/16" / 36.6	2	Yes	•		
M526G	Slip-Joint Pliers	6-1/2" / 165.0	1" / 25.4	2	Yes			
P11HD-S	Straight Nose Long Reach Heavy-Duty Pliers	11" / 279.4	2" / 50.8	2	Yes			
P11HD-B	Bent Nose Long Reach Heavy-Duty Pliers	11" / 279.4	2" / 50.8	2	Yes			





PRODUCT #	DESCRIPTION	OVERALL LENGTH In. / MM	JAW LENGTH In. / MM	CUTTING CAPCITY/ CAPABILITY	SETS
P2810KN	2-PC. Knipex High Leverage Cutter Set				
P2FCS	2-PC. Flush Cutter Set				
P2010HILEVS	2-PC. Straight Diagonal Cutter Set				
M911G	Cable Cutters	9-1/2" / 241	1.4" / 35.6	13/16"	
P5FDP	Flush Cut Diagonal Pliers - Plastic	5" / 127	13/16" / 21	7/16"	
9561190	Wire Rope Cutter	7-1/2" / 190	9/32" / 7.5	1/4"	
P10HILEV	High Leverage Diagonal Cutter	10" / 250			•
P20	High Leverage Diagonal Cutting Nipper	7-1/4" / 180	13/16" / 20.4	3/32"	•
P208	High Leverage Diagonal Cutter	8" / 203.2			
P210KN	Bent High Leverage Diagonal Cutter	10" / 250	31/32" / 24.6	1/8"	
TCT101E	"V" Stripper/Cutter with Lock Spring	5" / 125	3/4" / 17	1/4"	
P512FC	Flush Cut Pliers	5-1/2" / 139.7	5/8" / 15.9	-	•
P7FC	Flush Cut Pliers	7" / 175	1" / 25.4	-	•



PRODUCT #	DESCRIPTION	OVERALL LENGTH IN. / MM	JAW LENGTH In. / MM	CUTTING CAPACITY/ CAPABILITY
BCC796	Battery Cable Cutters	6" / 150	2" / 50.8	2/0"
P8DJ	Double Jaw Cable Shear	8" / 200	1-5/8" / 43	3/4"
P11LRDCA	30° Offset Diagonal Cutter	11" / 279.4	27/32" / 21.4	5/16"
P8LAC	8" Lever Action Cutter	8" / 200	21/32" / 16.9	3/16"
M748G	Long Reach End Cutter	8" / 200	1-9/16" / 40	3/32"
P10HILEV	High Leverage Straight Cutter	10" / 250	15/16" / 23	1/8"
P19	Compound Leverage Action Center Cutter	8" / 200	21/32" / 16.9	3/16"
P21	High Leverage Center Cutter	10" / 250	3/4" / 18.8	5/32"
V1447G	Curved Diagonal Cutting Pliers	7-3/4" / 195	1.02" / 26	9/16"
P208	High Leverage Bent Diagonal Cutter	8" / 200	7/8" / 21	3/32"
P2OTF	Twinforce Diagonal Cutter	7-1/4" / 180	25/32" / 20	1/8"
M449G	9-1/2" Curved Diagonal Pliers	9-1/2" / 242.32	1.02" / 25.91	1/2"
V1728G	Long Reach, Diagonal Cutter	7-1/2" / 190	0.91" / 23.1	21/32"
M348G	8-1/2" Round Nose Lineman's Pliers	8-1/2" / 215.9		0.091/Hard Wire, 0.162/Soft V





TIN SNIPS

- Cuts up to 18-gauge cold rolled sheet steel
- Serrated blades
- Plastic-grip handles

PRODUCT#	CUTTING DIRECTION	CUTTING EDGE LENGTH IN. / MM
TS1	Right (Green)	1-3/8" / 34.9
TS2	Left (Red)	1-3/8" / 34.9
TS3	Straight (Yellow)	1-1/2" / 38.1



TS6716AS

DEEP SERRATED LONG-CUT AVIATION SNIP

- Cuts straight 3" length
- Wide blade opening and six deep serrations per inch to bottom blade for secure grip of soft materials such as rubber, plastic hose, etc.
- Forged high-carbon alloy steel blades
- · Pinch-point wire cutters
- Comfortable power-grip handles

Not recommended for sheet metal

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NEEDLE-NOSE PLIERS



High-quality long nose pliers were designed to work in tight spaces with a reliable grip and narrow nose profile for extra precision

PRODUCT #	DESCRIPTION	OVERALL LENGTH In. / MM	JAW LENGTH In. / MM	CUTTING ABILITY/ CAPACITY	SET
P1318S	2-PC. Long-Nose Pliers Set with Cutter				
P13	Needle-Nose Pliers with Cutter	8" / 203.2	3" / 75.8	•	•
P14	Mechanic's Cranked Nose Pliers	8" / 203.2	2-7/8" / 73		
P22	70° Bent Nose Pliers	8"/ 203.2	3" / 77	•	
P18	Bent Long Nose Pliers with Cutter	8" / 203.2	3" / 76	•	•
M718G	Long Reach, Flat Nose Pliers	8" / 203.2	1-11/32" / 34.5		
P8LNCST	Long Nose Pliers with Cutter	7-3/4" / 197	2-7/8" / 73	•	
PGLNCST	Long Nose Pliers with Cutter	6-3/8" / 162	1-15/16" / 49	•	
P6BNCST	Bent Long Nose Pliers with Cutter	6-3/16" / 157	1-3/4" / 44	•	

PLIERS NEEDLE-NOSE AND LONG REACH PLIERS



PPS311LR 3-PC. PISTOL GRIP **LONG REACH PLIERS**

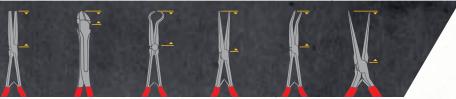
- Pistol-grip style handles allow user to orient the pliers in multiple directions with minimal wrist bending
- Drop-forged high carbon steel plus heat treatment maximizes tools strength and durability

SP162 **PYTHON LONG REACH PLIERS**

- Straight nose or bent; 2-1/2" serration, wide grip range, full-polish professional finish, non-slip "Super Grip" handle
- Dual position grip

PRODUCT #	DESCRIPTION	OVERALL LENGTH In. / MM	JAW LENGTH IN. / MM	CUTTING ABILITY/ CAPACITY		S	ET	
PPN3S	3-PC. Pistol Grip Needle-Nose Pliers Set							
PPS311LR	3-PC. Pistol Grip Needle-Nose Pliers Set							
SP162	2-PC. 16" Python Long Reach Needle-Nose Plie	rs Set						
P114SET	3-PC. Python Long Reach Needle-Nose Pliers S	et						
PPN6	Pistol Grip Needle-Nose Pliers	6" / 152.4	2-7/8" / 60	Yes				•
PPN8	Pistol Grip Needle-Nose Pliers	8" / 203.2	1-27/32" / 47.2	Yes				•
PPN9	Pistol Grip Needle-Nose Pliers	9" / 228.6	2-7/16" / 61.8	Yes				•
PPLR11LN	Pistol Grip Long Reach Long Nose	10-1/2" / 266.70	3" / 76.20				•	
PPLR11DB	Pistol Grip Long Reach Duckbill	10-1/2" / 266.70	3" / 76.20				•	
PPLR11BN	Pistol Grip Long Reach Bent Nose	10-1/2" / 266.70	3" / 76.20				•	
P162S	Python Long Reach Straight Needle-Nose	16" / 406.4	2-3/4" / 70			•		
P162BN	Python Long Reach Bent Needle-Nose	16" / 406.4	2-5/8" / 67			•		
P114S	Python Long Reach Straight Nose	11-1/2" / 292.1	2-1/2" / 63.5		•			
P114BN	Python Long Reach 45° Bent Nose	11-1/2" / 292.1	2-1/2" / 63.5		•			
P114BN90	Python Long Reach 90° Bent Nose	11-1/2" / 292.1	2-1/2" / 63.5		•			

JAW LENGTHThe distance from the tip of the tool to the pivot point



LONG REACH NEEDLE-NOSE LONG REACH CUTTER

LONG REACH GRIPPER

LONG REACH LONG NOSE

LONG REACH BENT LONG NOSE

NEEDLE NOSE



- Steel surface, polished and polymer coated for corrosion resistance
- Plastisol-dipped handles for comfort grip

PRODUCT #	DESCRIPTION	OVERALL LENGTH IN. / MM	JAW LENGTH IN. / MM	MAX JAW CAPACITY IN. / MM	CUTTING ABILITY/ CAPACITY	SET
PS711LRA	7-PC. 11" Long Reach Pliers Set					
P11LRBNA	Long Reach 45° Bent Nose Pliers	11" / 279.40	3-1/8" / 79.38	2-1/4" / 57.15	Yes	•
P11LRDBA	Long Reach Duckbill Pliers	10-3/4" / 273.05	3" / 76.20	2" / 50.80	-	•
P11LRDCA	Diagonal Cutter	11" / 279.40	3-1/8" / 79.38	3" / 76.20	-	•
P11LRGLA	Long Reach Gripper - Large	11" / 279.40	3" / 76.20	2-1/8" / 53.98	-	•
P11LRGMA	Long Reach Gripper - Medium	10-3/4" / 273.05	2-7/8" / 73.03	1-5/8" / 41.28	-	•
P11LRGSA	Long Reach Gripper - Small	10-1/2" / 266.70	2-3/4" / 69.85	1-1/2" / 38.10	-	•
P11LRNCA	Long Nose Pliers with Cutter	11" / 279.40	1" / 25.40	5/8" / 15.88	Yes	•

PLIERS DOUBLE-JOINT LONG REACH PLIERS



Drop-forged high-carbon steel plus heat treatment maintains tool strength and durability

All Pliers exceed ANSI and ASME standards

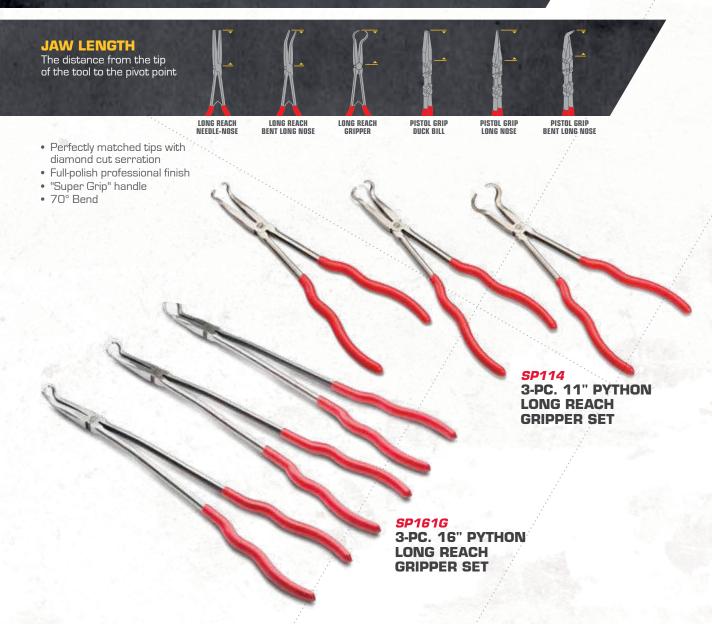
PPS313DJ 3-PC. DOUBLE-JOINT PISTOL GRIP LONG REACH PLIERS

PS313DJ 3-PC. DOUBLE-JOINT LONG REACH PLIERS

PS313DJG 3-PC. DOUBLE-JOINT GRIPPING PLIERS

PRODUCT #	DESCRIPTION	OVERALL LENGTH In. / MM	JAW LENGTH In. / MM	MAX JAW CAPACITY IN. / MM		SET	
PS313DJ	3-PC. Double-Joint Long Reach Pliers						
PPS313DJ	3-PC. Double-Joint Pistol Grip Long Reach Pliers						
PS313DJG	3-PC. Double-Joint Gripping Pliers Set						
P13DJLN	Double-Joint Long Reach Long Nose	13" / 330.20	3" / 76.20	1-7/8" / 47.63			•
P13DJBN	Double-Joint Long Reach Bent Nose	13" / 330.20	3" / 76.20	1-7/8" / 47.63			•
P13DJDB	Double-Joint Long Reach Duckbill	13" / 330.20	3" / 76.20	1-7/8" / 47.63			•
PP13DJLN	Double-Joint Pistol Grip Long Reach Long Nose	13" / 330.20	3" / 76.20	1-7/8" / 47.63		•	
PP13DJBN	Double-Joint Pistol Grip Long Reach Bent Nose	13" / 330.20	3" / 76.20	1-7/8" / 47.63		•	
PP13DJDB	Double-Joint Pistol Grip Long Reach Duckbill	13" / 330.20	3" / 76.20	1-7/8" / 47.63		•	
P13DJSG	Double-Joint Grip Gripping Small (1/4")	13" / 330.20	2-7/8" / 73.03	1-7/8" / 47.63	•		
P13DJMG	Double-Joint Grip Gripping Medium (1/2")	13" / 330.20	2-3/4" / 69.85	1-7/8" / 47.63	•		
P13DJLG	Double-Joint Grip Gripping Large (3/4")	13" / 330.20	2-1/2" / 63.50	1-7/8" / 47.63	•		

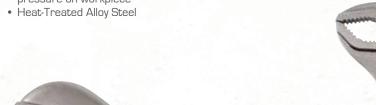
LONG REACH GRIPPING PLIERS



PRODUCT #	DESCRIPTION	OVERALL LENGTH In. / MM	JAW LENGTH In. / MM	MAX JAW CAPACITY IN. / MM	SI	ET
SP114	3-PC. 11" Python Long Reach Gripper Set in Pouch					
SP161G	3-PC. 16" Python Long Reach Pliers Set					
P114XSG	Python Long Reach Gripper X-Small (1/4")	11" / 279.4	2-1/2" / 63.5	1.88 / 47.6		
P114SG	Python Long Reach Gripper Small (5/16")	11" / 279.4	2-1/4" / 55.0	1.88 / 47.6		•
P114MG	Python Long Reach Gripper Medium (1/2")	11" / 279.4	2-1/4" / 55.0	1.88 / 47.6		•
P114LG	Python Long Reach Gripper Large (3/4")	11" / 279.4	2-1/4" / 55.0	1.88 / 47.6		•
P161SG	Python Long Reach Pliers Small (5/16")	16" / 406.4	2-1/4" / 55.0	1.88 / 47.6	•	
P161MG	Python Long Reach Pliers Medium (1/2")	16" / 406.4	2-1/4" / 55.0	1.88 / 47.6	•	
P161LG	Python Long Reach Pliers Large (3/4")	16" / 406.4	2-1/4" / 55.0	1.88 / 47.6	•	

PLIERS "FAST RELEASE" LOCKING PLIERS

- 20% Reduced Hand Span helps provide more control
- 2X Faster Release Mechanism with One-handed triggerless release easier to open vs traditional pliers
- Hex Key Adjustment Screw: tightens to adjust pressure on workpiece





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MLPFR10CR

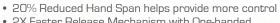
10" CURVED JAW **LOCKING PLIERS** WITH 3X GRIPPING POWER

Self-Energizing lower jaw provides 3X more gripping than traditional locking pliers, minimizing slipping/stripping



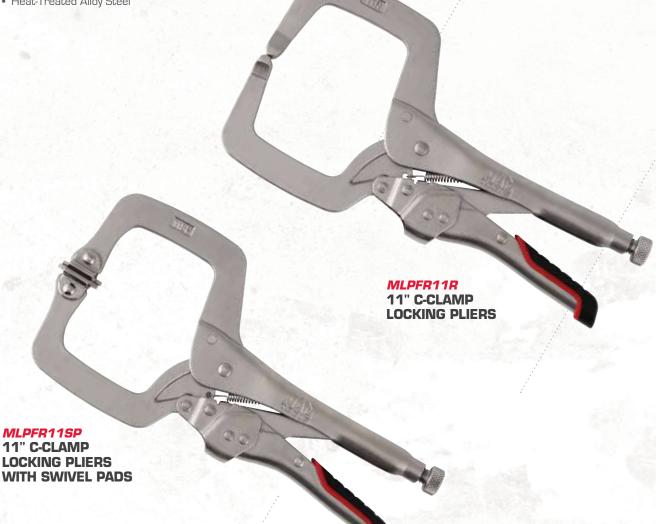
LOCKING PLIERS WITH WIRE CUTTER





2X Faster Release Mechanism with One-handed triggerless release easier to open vs traditional pliers
Hex Key Adjustment Screw: tightens to adjust pressure on workpiece





PRODUCT #	DESCRIPTION	OVERALL LENGTH In. / MM	JAW LENGTH In. / MM	CUTTING CAPABILITY/ CAPACITY	THROAT DEPTH In. / Mm	THROAT HEIGHT In. / MM
MLPFR11R	C-Clamp	10-3/4" / 273	-	-	2-7/8" / 74	3-13/16" / 97
MLPFR11SP	C-Clamp with Swivel Pads	11-1/8" / 282	-	-	2-9/16" / 65	3-13/16" / 97

PLIERS LOCKING PLIERS



PRODUCT #	DESCRIPTION	OVERALL LENGTH IN. / MM	JAW LENGTH In. / MM	CUTTING CAPABILITY/ CAPACITY	THROAT DEPTH In. / MM	THROAT HEIGHT In. / MM
MLP7SJ	Straight Jaw	7" / 177.8	1-1/8" / 28.5			
MLP10SJ	Straight Jaw	10" / 254	1-3/8" / 34.0			
MLP5CJ	Curved Jaw with Wire Cutter	5" / 127.0	7/8" / 21.9	Yes		
MLP7CJ	Curved Jaw with Wire Cutter	7" / 177.8	1-3/32" / 28.0	Yes		
MLP10CJ	Curved Jaw with Wire Cutter	10" / 254.0	1-3/8" / 34.0	Yes		
MLP6LN	Long Nose Locking Pliers	6" / 152.4	1-3/4" / 44.5	Yes		
MLP9LN	Long Nose Locking Pliers	9" / 228.6	2-7/32" / 57.0	Yes		
MLP4CCSP	Locking C-Clamps	4" / 101.6			1" / 25.4	1-7/8" / 47.6
MLP6CC	Locking C-Clamps	6" / 152.4			1-3/8" / 34.9	2" / 50.8
MLP11CC	Locking C-Clamps	11" / 279.4			2-1/2" / 63.5	3-3/4" / 95.3
MLP11CCSP	Locking C-Clamps with Swivel Pad	11" / 279.4			2-1/2" / 63.5	3-3/4" / 95.3
MLP8SMC	Sheet Metal Tool	8" / 203.2	1-11/16" / 43.0			
251	Vise-Grip® Locking Panel Clamp	9" / 228.6	2-1/2" / 65.0			
VSG7LW	Vise-Grip® Locking Wrench	7" / 177.8	1-3/16" / 30.5	Yes		
27ZR	Vise-Grip® Chain Clamp	9" / 225.0				
MLP9CCSP	Long Reach C-Clamps with Swivel Pad	9" / 228.6			4-3/4" / 121.0	3-1/2" / 88.0
MLP9WC	Welding Clamp	9" / 228.6	2-3/4" / 70.0			
MLP18DCC	Locking C-Clamps	18" / 457.2			9-1/2" / 241.3	4" / 101.6
VSG211ZR	Vise-Grip® Deep Throat Locking C-Clamp	18" / 455.0			9-29/32" / 251	7-3/4" / 199

GREAT TO WORK WITH



선생님이 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이들						
PRODUCT #	OVERALL LENGTH IN./MIM		CUTTING ABILITY/ CAPACITY		SET	
MLP6SET	6-PC. Compact Locking Pliers Set					
MLP3SET	3-PC. Curve/Long Locking Pliers Set					
MLP3SETCMP	3-PC. Curve/Long/C-Clamp Locking Pliers Set					
MLP4CCSP	C-Clamp with Swivel Pads	4" / 101.6		•		
MLP4LN	Locking Pliers Long Nose with Cutter	4" / 101.6	Yes	•		
MLP5CJ	Locking Pliers Curved Jaw with Cutter	5" / 127.0	Yes	•		•
MLP6LN	Locking Pliers Long Nose with Cutter	6" / 152.4	Yes		•	•
MLP7CJ	Locking Pliers Curved Jaw with Cutter	7" / 177.8	Yes		•	•
MLP9LN	Locking Pliers Curved Jaw with Cutter	9" / 228.6	Yes			•
MLP10SJ	Locking Pliers Straight Jaw	10" / 254.0				•
MLP10CJ	Locking Pliers Curved Jaw with Cutter	10" / 254.0	Yes		•	•

PLIERS SNAP RING



EXTERNAL SHAFT 1/4" - 3-1/2" 6.5mm - 89mm

INTERNAL HOUSING

3/8" - 3" 10mm - 76mm

PLIERS SET · One-second conversion from

6-PC. CAM LOCK

- internal to external
- Spring return

PK6

- Air-pocketed and cushioned
- Blow-molded case
- 18° Offset and 90° bent tips in .038", .047", and .070" diameters

One-Second Conversion From INTERNAL TO EXTERNAL

PRODUCT #	OVERALL LENGTH IN. / MM	TIP ANGLE	TIP SIZE	SET
PK6	6-PC. Cam Lock Pliers Set			
TPH12	6" / 152.4	18°	0.038"	•
TPH12A	6" / 152.4	90°	0.038"	•
TPH32	6" / 152.4	18°	0.047"	•
TPH32A	6" / 152.4	90°	0.047"	•
ТРН34	7" / 177.8	18°	0.070"	•
ТРНЗ4А	7" / 177.8	90°	0.070"	•



PK100

INTERNAL/EXTERNAL **TIP SNAP RING PLIERS SET**

• Covers ring range: External 1/4"-2", Internal 3/8"-2"

INCLUDES:

- (1) Internal Pliers
- (1) External Pliers
- (16) Interchangeable Tips



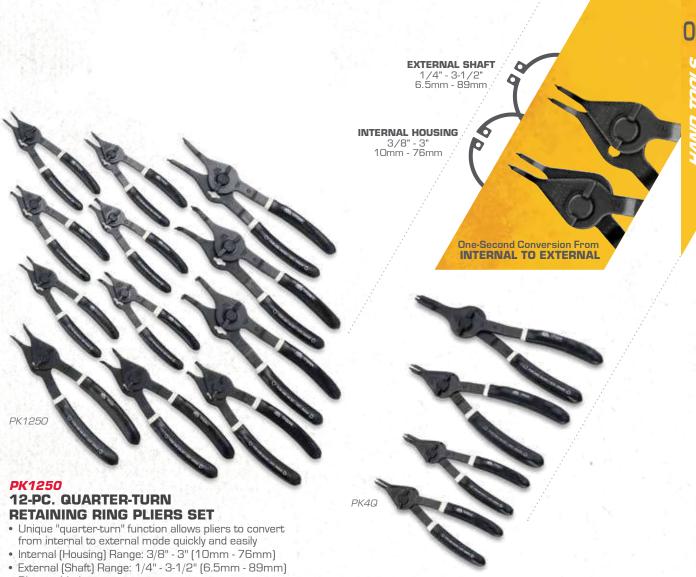


SR400

4-PC. MINI SNAP RING PLIERS SET

- · Service S-ring and R-ring clips, internal or external, straight or angled
- All pliers have 0.038" (1.0mm) diameter tips
- 3" Overall length

- (2) Internal Snap Ring Pliers (One Straight, One 45°)
- [2] External Snap Ring Right Pliers (One Straight, One 45°)



- Blow-molded case

PRODUCT #	CONFIGURATION	OVERALL LENGTH IN. / MM	TIP DIAMETER		SET	
PK1250	12-PC. Quarter-Turn	Retaining Ring Plier Set				
PK4Q	4-PC. Snap Ring Plie	rs Set in Plastic Tray				
PK490Q	4-PC. 90° Snap Ring	Pliers Plus Set				•
TPQ12	Straight	6" / 152.4	0.038"		•	•
TPQ12-1	45°	6" / 152.4	0.038"			•
TPQ12A	90°	5-3/4" / 146.1	0.038"	•		•
TPQ32	Straight	6" / 152.4	0.047"		•	•
TPQ32-1	45°	6" / 152.4	0.047"			•
TPQ32A	90°	5-3/4" / 146.1	0.047"	•		•
TPQ34	Straight	7-3/4" / 196.9	0.070"		•	•
TPQ34-1	45°	7-3/4" / 196.9	0.070"			•
TPQ34A	90°	7-1/2" / 190.5	0.070"	•		•
TPQ56	Straight	9-1/2" / 241.3	0.090"		•	•
TPQ56-1	45°	9-1/4" / 234.9	0.090"			•
TPQ56A	90°	9" / 228.6	0.090"	•		•













PK3RRPB

3-PC. PUSH-BUTTON **RETAINING RING PLIERS SET**

- Convertible for internal and external rings
- · Quick and easy push-button mechanism for conversion between internal and external operation

 Three sizes (.038", .047", and .070")

 Three different angles (0°, 45°, and 90°)

- Blow-molded case

PRODUCT #	OVERALL LENGTH IN. / MM	TIP ANGLE	TIP DIAMETER	
PK9RRPB	9-PC. Push-Button Retaining Ring Pliers Set			
PK3RRPB	3-PC. Push-Button Retaining Ring Pliers Set			
TPB12	6" / 152.4	0	0.038"	•
TPB12-1	6" / 152.4	45	0.038"	•
TPB12A	6" / 152.4	90	0.038"	•
TPB32	6" / 152.4	0	0.047"	•
TPB32-1	6" / 152.4	45	0.047"	•
TPB32A	6" / 152.4	90	0.047"	•
ТРВЗ4	7-1/4" / 184.15	0	0.070"	•
TPB34-1	7-1/4" / 184.15	45	0.070"	•
TPB34A	7-1/4" / 184.15	90	0.070"	•
TPB56	9-1/4" / 234.95	0	0.090"	•
TPB56-1	9-1/4" / 234.95	45	0.090"	•
TPB56A	9-1/4" / 234.95	90	0.090"	•





P21A

RIGHT-ANGLE LOCK RING PLIERS

- Spreads snap-lock rings found on brakes, transmissions, pedal shifts, clutch shifts, and machine tools
- Spreads piston rings

P22A

STRAIGHT LOCK RING PLIERS

- Straight tip design for spreading snap-lock rings
- Jaw opening: 1-1/2" (38.1mm)

P35 COMPOUND SNAP RING PLIERS

- Jaws spread in a parallel plane
- 1-1/8" Max jaw opening

PRODUCT #	CONFIGURATION	OVERALL LENGTH IN. / MM	TIP DIAMETER MM
P35	Compound-Snap Ring Pliers	10" / 254	43
P22A	Straight-Lock Ring Pliers	9" / 228.6	3.05
P21A	Right-angle-Lock Ring Pliers	9" / 228.6	3.05
P23A	90° Lock Ring Pliers	9" / 228.6	1.78

P23A

90° LOCK RING PLIERS

- · For use on output shafts, transmissions
- Forged-steel for increased strength and durability
- Jaw opening: 1-1/2" (38.1mm)



SR50K

RATCHETING INTERNAL TIP SNAP RING PLIERS SET

- Two replaceable tip pliers (internal and external) with eight pairs of tips
- Does the job of sixteen separate pliers
- Spring-ratchet lock mechanism minimizes fatigue by allowing the ring to be compressed or expanded through gradual moves and then locked at a desired size without continued pressure on the handles
- Heavy and large rings are safely and easily controlled
- Complete with two Color Coded tip styles:
 (8) 0.120" Diameter Tip
 (8) 0.108" Diameter Tip

TP7

SUPER-DUTY REPLACABLE TIP INTERNAL SNAP RING PLIERS - 16"

TP8 (NOT SHOWN)

SUPER-DUTY REPLACABLE TIP EXTERNAL SNAP RING PLIERS - 16"

- For retaining rings up to 6" (152.4mm)
- Lever-action ratchet locking device in handle
- Comes with interchangeable 0.120" straight tips
- · Configuration: Internal Straight
- Max opening for the TP7 Internal Pliers center tip to center tip 3.5"



TP7AT SUPER-DUTY INTERNAL REPLACEMENT TIPS

• Configuration: 90° Internal tips

TP8AT SUPER-DUTY EXTERNAL REPLACEMENT TIPS

Configuration: 90° External tips



WARNING: Cancer and Reproductive Harm - p65warnings.ca.gov
For more info click-on MACTOOLS.COM/PROP65



TP16 HORSESHOE LOCK RING PLIERS

- Heavy-duty snap-ring pliers for removal and installation of horseshoe-type external retaining rings
- Special tip design and outside serration on tips

OUTPUT CARRIER AND SHAFT RETAINING RING PLIERS

• For Ford® and GM® output shaft work, and immediate carrier work

TP601R

FLAT NOSE RETAINING REVERSE BEVEL **RING PLIERS**

- 425 chain sprocket work
- Has additional ring applications

TP602R

SNAP RING PLIERS

- For GM® output shaft work and Removes/installs snap rings with reverse bevel
 - Spring closure for easy operation

PRODUCT #	DESCRIPTION	OVERALL LENGTH IN. / MM	MAX JAW CAPACITY IN. / MM
TP16	Horseshoe Lock Ring Pliers	13-1/2" / 342.9	2" / 50.8
TP15P	Flat Nose Retaining Ring Pliers	7" / 177.8	1-1/4" / 31.8
TP601R	Output Carrier and Shaft Retaining Ring Pliers	9-1/4" / 234.9	1-1/2" / 38.1
TP602R	Reverse Bevel Snap Ring Pliers	8-1/2" / 215.9	1-7/16" / 36.5





LARGE INTERNAL/EXTERNAL REPLACEABLE TIP RETAINING RING PLIERS

		The same of the sa						
PRODUCT #	DESCRIPTION	INTERNAL MAX JAW CAPACITY	EXTERNAL MAX JAW CAPACITY	STRAIGHT TIP DIAMETER	BENT 90° TIP Diameter	BENT 70° TIP Diameter	BENT 15° TIP Diameter	SET
PR2K	2-PC. Internal/External Retaining Ring Pli	ers Set						
PR1	Small Int./Ext. Retaining Ring Pliers	1/4 - 1" / 7 - 26	1/8 - 1" / 3 - 26	.023" / .6 .039" / 1.0	.039" / 1.0			
PR1-TIPS	Replacement Tips for PR1	1/4 - 1 / / - 20	1/0 - 1 / 3 - 20	.047" / 1.2	.047" / 1.2			·
PR2	Medium Int./Ext. Retaining Ring Pliers	3/8" - 2" / 10 - 51	1/4" - 2" / 7 - 51	.039" / 1.0mm .047" / 1.2mm	.039" / 1.0mm			
PR2-TIPS	Replacement Tips for PR2	3/6 - 2 / 10 - 31	1/4 - 2 / / - 31	.074" / 1.2mm	.047" / 1.2mm			
PR3	Large Int./Ext. Retaining Ring Pliers	1-13/16" - 4" / 46 - 102	1-1/2" - 4" / 38 - 102			.090" / 2.3mm .108" / 2.7mm	.090" / 2.3mm .108" / 2.7mm	
PR3-TIPS	Replacement Tips for PR3	1-13/10 - 4 / 40 - 102	1-1/2 - 4 / 30 - 102			.120" / 3.0mm	.120" / 3.0mm	

PR2K

RETAINING RING PLIERS

CRIMPERS AND STRIPPERS



WSC7 / WSC7G / WSC70 **WIRE STRIPPER/ CRIMPER/CUTTER**

- Wire cutter and crimper positioned in front for reaching into tight spaces
- · Second cutter on inner handle
- · Serrated gripping-nose for bending, pulling, and shaping of wire
- Cast with SCM440 steel providing increased hardness, longer wear, and better corrosion resistance
- · Removes insulation on ware 12, 14, 18, and 20 gauge
- · Available in red, green and orange

5950S (NOT SHOWN)

CRIMPPRO 4-IN-1 WIRE TOOL 5950A

CRIMPPRO 4-IN-1 **WIRE TOOL - ANGLED**

- · Gripping teeth to pull, twist, bend, and shape
- Crimps 12-20 AWG insulated and non-insulated wire
- Strips 12-20 AWG wire
- · Ability to make cuts both above and below pivot
- Cushioned grips improve dexterity and compact 7" size can fit in your pocket and easily store

CPA912

ANGLED CRIMPER

- · For crimping terminal or joint connectors to common soft wire
- Crimping connectors easier where wire service is compromised by limited access
- Protective grips to increase leverage and secure crimp
- · Angled design keeps the connector, the wire, and the crimper "in-line", improving visibility and access in hard-to-reach places
- Designed to not pierce connector insulation and also works on uninsulated connectors

TCT2A

WIRE CUTTER/ CRIMPER/STRIPPER

- Insulated and non-insulated terminals and splice crimper with wire cutter
- · Pivot joint made of hardened steel bushing
- Black-oxide finish

TCT18A

WIRE CRIMPER/CUTTER

- Insulated and non-insulated terminals and splice crimper with wire cutter
- Pivot joint made of hardened steel bushing
- Black-oxide finish

TCT2000

STA-KON® **CUTTER/CRIMPER/STRIPPER**

- · Disconnects, splices, and wires joints
- · Used on both insulated and non-insulated terminals
- · Compression guide
- · Handles are spring-loaded
- Scissor-action wire stripper
- · Rugged, narrow-nose wire cutter blade

TCT56EC **ERGONOMIC SUPER STRIPPER**

- Pliers nose
- Stripping stations for both solid and stranded wire
- Longer, ergonomic design handles for greater leverage and comfort
- Holes in jaws for looping wires

TCT10A CUTTER/CRIMPER/

STRIPPER TOOL · Crimps insulated and

non-insulated connectors Plier-like nose

Note: Use to cut copper wire only

Thomas Betts Co of Sta-kon®

PLIERS CRIMPERS AND STRIPPERS



WSC200B AUTOMATIC WIRE CRIMPER/STRIPPER

- · Self-adjusting automatic wire stripper
- Wire cutter
- · Crimps insulated terminals
- Auto ignition terminal crimper



WSC665 HEAVY-DUTY AUTOMATIC WIRE CRIMPER/STRIPPER

- Self-adjusts
- Micro adjustment knob for wire smaller than 26 AWG



TERMINAL WIRE CUTTER/CRIMPER/STRIPPER

- · Cuts and strips wire
- Stripping gauge on the back
- Equipped with a separate notch for crimping insulation grip



TCT52A PRO CUTTER/ CRIMPER/STRIPPER

- · Up-front cutter
- Crimping stations for insulated and non-insulated terminals
- Air-pocket cushion grips
- Screw sizing stations [4-40, 6-32, 8-32, 10-24, 10-32]



TCT7A WIRE CUTTER/STRIPPER

- Compact design
- Power spring

Note: Use to cut copper wire only



TCT15A MULTI-PURPOSE ELECTRICAL CUTTER/STRIPPER

- Scissors action up front for wire cutting and stripping
- Features spring action and lock

244







700E

3-PC. MINI ELECTRICAL TOOL SET

- Three dedicated tools (cutter/stripper/crimper) for hard-to-reach applications
- All 5-1/2" long; high carbon, heat-treated steel

	·	
PRODUCT #	DESCRIPTION	SET
700E	3-PC. Mini Electrical Tool Set	
701E	Cutter for Solid and Stranded Copper or Aluminum Wire	•
702E	Stripper for 8-18 AWG Solid Wire and 10-22 Stranded Wire	•
703E	Crimper for 10-22 Insulated and Non-Insulated Connectors	•

TCT101A

IGNITION CRIMPER

- Terminals:
 7 and 8mm Ignition terminals
 High tower Right-angle ignition terminals
 "W" or "F" crimp distributor terminals
 Right-angle spark plug terminals
- Extra-broad blade
- Insulated support nest for crimping barbed ignition terminals
- Cushion-grip handles



- Ergonomically designed self-adjusting wire stripper
- Length stop feature for predetermined lengths of 3/16" to 5/16"
- Knife to anvil style wire cutter
- Lightweight



TCT111P

WIRE TERMINAL TOOL

- Sturdy construction
- Includes a wire cutter (copper and aluminum only)

TCT112P

INSULATED/NON-INSULATED WIRE TERMINAL TOOL

- Sturdy construction
- Includes a wire cutter (copper and aluminum only)
- Vinyl grips (non-insulating)

SS6E

6" ELECTRICAL SCISSORS

- Wire stripping AWG 12, 14, and 16
- Wire crimper

PRODUCT #	DESCRIPTION	OVERALL LENGTH In. / MM	STRIPS SIZES AWG / MM	STRIPS SIZES AWG / MM	CRIMPS SIZES AWG / MM	CRIMPS SIZES AWG / MM	TYPES OF CONNECTORS
SSGE	6" Electrical Scissors	6" / 152	12, 14, 16	-	-	-	-
TCT101A	Ignition Crimping Tool	9-1/2" / 242	10 - 18	7 - 8	10 - 18	7 - 8	Ignition Terminals
TCT111P	Wire Terminal Tool	9-1/2" / 245	-	-	10 - 22		Non Insulated
TCT112P	Insulated/Non-Insulated Wire Terminal Tool	9-1/2" / 245	-	-	10 - 22	-	Insulated/Non-Insulated
TCT15A	Multi-Purpose Electrical Cutter/Stripper	6" / 152.4	-	-	-		-
TCT52A	Pro Cutter/Crimper/Stripper	8-1/4" / 209.5	-	-	-	7 - 8	Insulated/Non-Insulated
тст60В	Terminal Wire Cutter/Crimper/Stripper	7-5/8" / 193.7	10 - 22	-	10 - 22		Terminals
TCT7A	Wire Cutter/Stripper	6" / 152.4	22 - 30	0.25 - 0.65	-	-	-
WSBWST-A	Self-Adjusting Wire Cutter/Stripper	8" / 203.2	10 - 22	-	-		-
WSC665	Heavy-Duty Automatic Wire Crimper/Stripper	8-1/8" / 206.4	10 - 26	-	4 - 22	-	Insulated/Non-Insulated
WSC200B	Automatic Wire Crimper/Stripper	8-1/8" / 206.4	10 - 22	-	10 - 22	-	Insulated



TCT747-KIT

TERMINAL TOOL KIT WITH SIX DIES

- Manually crimp to factory specifications
- Features a precision full-cycle ratchet for accurate, repeatable crimps every cycle
- Overall length: 8-3/8" (212.7mm)

INCLUDES:

- (1) **TCT747** Ratcheting Terminal Crimp Tool
- (6) Die Sets



P17 4-IN-1 ELECTRICAL

CUTTER/STRIPPER

- Forged from chrome-vanadium electric steel and oil-hardened
- Cutting edges are 60 HRC and separately induction hardened
- Strips AWG sizes: 14 18
- Overall length: 6-3/8" (161mm)

TCT1028B

OPEN BARREL CONTACT CRIMP TOOL

- Five-cavity, two-jaw tool crimps a wide variety of open barrel contacts
- Tool working components are heat-treated for extended use
- Crimps AWG sizes: 14 24
- Overall length: 8-1/4" (210mm)



PLR30

WIRE RACK FOR PLIERS

- · Keeps up to thirty-two pliers organized
- Heavy gauge (3mm) vinyl-coated steel wire frame offers long life and protection for your pliers
- Position rack at the back of tool box drawer so the weight of the pliers keeps the rack in place
- Thirty-two slots, ten extra wide slots offers extraspace for pliers with insulated handles
- Measures 30"l x 5-1/4"w x 2-1/2"h and will fit in a tool box with a 2-1/2" high drawer

Tools not include



WIRE TWISTERS



WT1 9" STANDARD **WIRE TWISTER**

- Rigid construction, tapered jaws, finely finished edges, and long-lasting mechanism
- Cuts safety wire up to 0.060" diameter or two twisted strands of 0.041" diameter wire
- Maximum grip: 3-1/4 twists per pull
- Overall length: 10-3/8" (263.5mm)

WT2

9" AUTO RETURN **WIRE TWISTER**

- · Twister mechanism retracts automatically
- Safety twist plier rotates clockwise
- Twister capacity identical to WT1
- Overall length: 10-3/8" (263.5mm)

WT3

6" DIAGONAL JAW WIRE TWISTER

- · Diagonal nose
- Wire diameter capacity: 0.041"
- Overall length: 8-1/2" (215.9mm)

WTR6

6" REVERSIBLE WIRE TWISTER

• Overall length: 215.9 mm

WTR9

9" REVERSIBLE **WIRE TWISTER**

- Reversible wire twister used for right and left hand twisting
- Overall length: 10-3/8" (263.5mm)

P3104DS

DURASEAL RATCHET TERMINAL CRIMPER

- Five cavities: 24 -10 AWG
- Ratcheted for positive performance

P3107DT

- Three cavities: 20, 16 & 12 AWG
- positive performance

DEUTSCH RATCHET TERMINAL CRIMPER

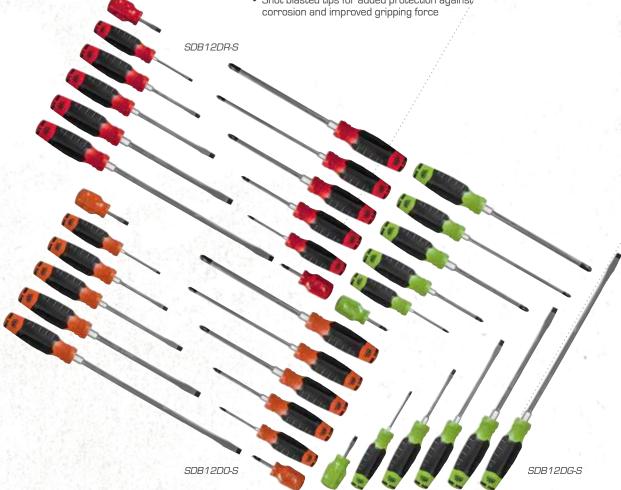


SCREWDRIVERS SOFT-GRIP™ SCREWDRIVERS AND SETS



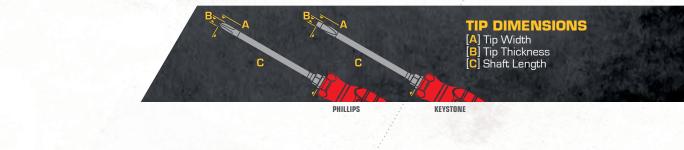
SOFT-GRIP™ COMBINATION SCREWDRIVER SETS

- 360° Ergonomic textured grip for maximum comfort for high torque applications
- Molded slotted and Phillips® tip ID for easy recognition of tip type in the vertical position
- High-quality alloy-steel bar with hex bolster for additional torque application
- Nylon-alloy handle that's chemically resistant to gasoline, disk brake cleaner, brake fluid, motor oil, hydraulic fluid, ethylene glycol, and acetone
- · Shot blasted tips for added protection against



PRODUCT #	TIP TYPE	BOLSTER	TIP SIZE	TIP THICKNESS	SHANK	BAR LENGTH In. / MM	OVERALL LENGTH IN. / MM S		SETS	SETS		
SDB12D(R,G,O)-S	12-PC. Mac	³ C. Mac-Grip [™] Combination Screwdriver Set Soft Grip (Red, Green, Orange)										
SDB8D(R,G,O)-S	8-PC. Mac-	. Mac-Grip™ Combination Screwdriver Set Soft Grip (Red, Green, Orange)										
SDB6D(R,G,O)-S	6-PC. Mac-	Grip™ Combir	ation Scre	wdriver Set Sof	t Grip (Red,	Green, Orange)						
PNR1D(R,G,O)	Keystone	-	1/4"	0.037"	Round	1-1/2" / 38	3-1/2" / 83		Х	Х		
PHRB3D(R,G,O)-S	Keystone	Х	3/16"	0.030"	Round	3" / 76	7-1/4" / 184	Х	Х	Х		
PNRB4D(R,G,O)-S	Keystone	Х	1/4"	0.037"	Round	4" / 102	8-1/2" / 216	X	Х	Х		
PJRB6D(R,G,O)-S	Keystone	X	5/16"	0.042"	Round	6" / 152	10-3/4" / 273	Х	Х	Х		
PKRB8D(R,G,O)-S	Keystone	Х	3/8"	0.050"	Round	8" / 203	13" / 330	Х	Х	Х		
PKRB12D(R,G,O)-S	Keystone	X	3/8"	0.050"	Round	12" / 305	17" / 432			Х		
P3012D(R,G,O)	Phillips®	•	#2	-	Round	1-1/2" / 38	3-1/2" / 83		Х	Х		
PB2031D(R,G,0)-S	Phillips®	х	#1	-	Round	3" / 76	7-1/4" / 184	Х	Х	Х		
PB2042D(R,G,0)-S	Phillips®	Х	#2	-	Round	4" / 102	8-1/2" / 216	Х	Х	Х		
PB2063D(R,G,0)-S	Phillips®	Х	#3	-	Round	6" / 152	10-3/4" / 273			Х		
PB2082D(R,G,0)-S	Phillips®	х	#2	-	Round	8" / 203	12-1/2" / 317.5			Х		
PB2084D(R,G,0)-S	Phillips®	Х	#4	-	Round	8" / 203	13" / 330			Х		

SCREMDRIVERS MAC-GRIP™ LONG SCREWDRIVERS AND SETS

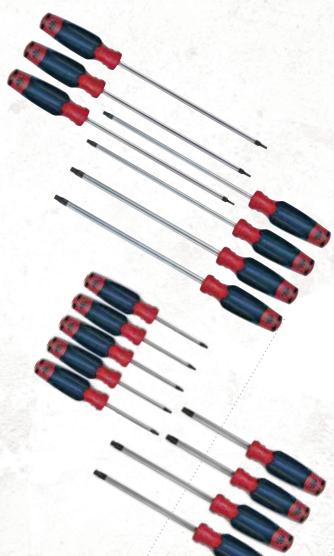




SDL8D(R,G,O)-S 8-PC. MAC-GRIPTM LONG

COMBINATION SCREWDRIVER SET SOFT GRIP™

PRODUCT #	TIP TYPE	BOLSTER	TIP SIZE	TIP THICKNESS	SHANK	BAR LENGTH In. / MM	OVERALL LENGTH IN. / MM	SET
SDL8D(R,G,O)-S	8-PC. Mac-G	rip [™] Long Com	bination Screw	driver Set Soft	·Grip™			
PH6D(R,G,O)-S	Cabinet		3/16"	0.030"	Round	6" / 152.4	10-1/4" / 260.35	•
PN12D(R,G,O)-S	Cabinet		1/4"	0.037"	Round	12" / 381	16-1/2" / 419.1	•
PH15D(R,G,0)-S	Cabinet		3/16"	0.030"	Round	15" / 304.8	19-1/4" / 488.95	•
PN18D(R,G,O)-S	Keystone		1/4"	0.037"	Round	18" / 457.2	22-1/2" / 533.81	•
PB2081D(R,G,0)-S	Phillips®	•	#1	-	Round	8" / 203.2	12-1/2" / 317.5	•
PB2082D(R,G,O)-S	Phillips®	•	#2	-	Round	8" / 203.2	12-1/2" / 317.5	•
P2122D(R,G,O)-S	Phillips®		#2	-	Round	12" / 304.8	16-1/2" / 419.1	•
P2182D(R,G,O)-S	Phillips®		#2	-	Round	18" / 457.2	22-1/2" / 533.81	•



SDL7TPR-S

7-PC. MAC-GRIP™ TAMPER-RESISTANT TORX® SCREWDRIVER SET SOFT-GRIP™

PRODUCT #	TIP TYPE	TIP SIZE	SHANK SHAPE	BAR LENGTH IN. / MM	OVERALL LENGTH IN. / MM	SET
SDL7TPR-S	7-PC. Mac-Grip™ Tampo	er-Resistar	nt Torx® Sc	rewdriver Set So	ft-Grip™	
PLTP8CR-S	Tamper-Resistant Torx®	TP8	Round	8" / 203.2	12-1/4" / 311.5	•
PLTP10CR-S	Tamper-Resistant Torx®	TP10	Round	8" / 203.2	12-1/4" / 311.5	•
PLTP15CR-S	Tamper-Resistant Torx®	TP15	Round	8" / 203.2	12-1/4" / 311.5	•
PLTP20CR-S	Tamper-Resistant Torx®	TP20	Round	8" / 203.2	12-1/4" / 311.5	•
PLTP25CR-S	Tamper-Resistant Torx®	TP25	Round	8" / 203.2	12-1/4" / 311.5	•
PLTP27CR-S	Tamper-Resistant Torx®	TP27	Round	8" / 203.2	12-1/2" / 317.5	•
PLTP30CR-S	Tamper-Resistant Torx®	TP30	Round	8" / 203.2	12-1/2" / 317.5	•

SD9TR-S

9-PC. MAC-GRIP™ TORX® SCREWDRIVER SET SOFT-GRIP™

PRODUCT #	TIP TYPE	TIP Size	SHANK SHAPE	BAR LENGTH In. / MM	OVERALL LENGTH IN. / MM	SET
SD9TR-S	9-PC. Mac-	Grip™ Torx® S	Screwdriver :	Set Soft-Grip™		
PT8CR-S	Torx®	T8	Round	3-1/4" / 82.6	7-1/2" / 190.5	•
PT10CR-S	Torx®	T10	Round	3-1/4" / 82.6	7-1/2" / 190.5	•
PT15CR-S	Torx®	T15	Round	3-1/4" / 82.6	7-1/2" / 190.5	•
PT20CR-S	Torx®	T20	Round	3-1/4" / 82.6	7-1/2" / 190.5	•
PT25CR-S	Torx®	T25	Round	3-1/4" / 82.6	7-1/2" / 190.5	•
PT27CR-S	Torx®	T27	Round	4" / 101.6	8-1/2" / 215.9	•
PT30CR-S	Torx®	T30	Round	4" / 101.6	8-1/2" / 215.9	•
PT40CR-S	Torx®	T40	Round	6" / 152.4	10-3/4" / 273.1	•
PT45CR-S	Torx®	T45	Round	6" / 152.4	10-3/4" / 273.1	•

SCREWDRIVERS MAC-GRIPTM DRIVERS AND SETS



The tools on this page have been PROUDLY MADE IN THE USA with global components.



SNDF7DR-S 7-PC. MAC-GRIP™ SAE **NUT DRIVER SET SOFT-GRIP™**

Produ	ICT #	TIP SIZE	SHANK SHAPE	BAR LENGTH IN. / MM	OVERALL LENGTH IN. / MM	COLOR	SET
SNDF	7DR-S	7-PC. Ma	c-Grip™ SAE	Nut Driver Set Soft-	Grip™		
PNDF	14DR-S	1/4"	Deep	4" / 101.6	8-1/2" / 215.9	Red	•
PNDF	932DR-S	9/32"	Deep	4" / 101.6	8-1/2" / 215.9	Orange	•
PNDF	516DR-S	5/16"	Deep	4" / 101.6	8-3/4" / 222.3	Yellow	•
PNDF	1132DR-S	11/32"	Deep	4" / 101.6	8-3/4" / 222.3	Green	•
PNDF	38DR-S	3/8"	Deep	4" / 101.6	8-3/4" / 222.3	Blue	•
PNDF	716DR-S	7/16"	Deep	4" / 101.6	9" / 228.6	Brown	•
PNDF	12DR-S	1/2"	Deep	4" / 101.6	9" / 228.6	Red	•



SNDM9DR-S

9-PC. MAC-GRIP™ METRIC **NUT DRIVER SET SOFT-GRIP™**

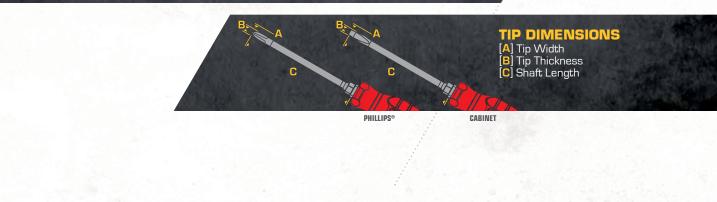
PRODUCT #	TIP Size	SHANK SHAPE	BAR LENGTH In. / MM	OVERALL LENGTH IN. / MM	COLOR	SET
SNDM9DR-S	9-PC. Ma	c-Grip™ Me	tric Nut Driver Set So	ft-Grip™		
PNDM4DR-S	4	Deep	4" / 101.6	8-1/2" / 215.9	Red	•
PNDM5DR-S	5	Deep	4" / 101.6	8-1/2" / 215.9	Black	•
PNDM55DR-S	5.5	Deep	4" / 101.6	8-1/2" / 215.9	Brown	•
PNDM7DR-S	7	Deep	4" / 101.6	8-1/2" / 215.9	Orange	•
PNDM8DR-S	8	Deep	4" / 101.6	8-3/4" / 222.3	Yellow	•
PNDM9DR-S	9	Deep	4" / 101.6	8-3/4" / 222.3	Green	•
PNDM10DR-S	10	Deep	4" / 101.6	9" / 228.6	Blue	•
PNDM11DR-S	11	Deep	4" / 101.6	9" / 228.6	Brown	•
PND12M-S	12	Deep	4" / 101.6	9" / 228.6	Red	•

MACSIMIZERTM SCREWDRIVERS AND SETS



PRODUCT #	TIP TYPE	TIP SIZE	TIP THICKNESS	SHANK	BAR LENGTH In. / MM	OVERALL LENGTH IN. / MM		S	ET	
SDRBM20FNG	20-PC. Mad	simizer™ Co	mbination Scre	wdriver Set	in Foam - Hi-Vis Green					
SDRBM20FN0	20-PC. Mac	simizer™ Co	mbination Scre	wdriver Set	in Foam - Hi-Vis Orange					
SDRBM12FNG	12-PC. Mac	simizer™ Co	mbination Scre	wdriver Set	in Foam - Hi-Vis Green					
SDRBM12FNO	12-PC. Mac	simizer™ Co	mbination Scre	wdriver Set	in Foam - Hi-Vis Orange					
PGRBM4N(G,O)	Cabinet	1/8"	0.020"	Round	4" / 101.6	6-5/8" / 168.3	•	•	•	٠
PFRBM1N(G,O)	Keystone	3/32"	0.030"	Round	1-1/2" / 38.1	4-1/4" / 108	•	•	•	•
PHRBM4N(G,O)	Keystone	3/16"	0.030"	Round	4" / 101.6	8-5/8" / 219.1	•	•	•	•
PHRBM8N(G,O)	Keystone	3/16"	0.030"	Round	8" / 203.2	12-3/4" / 323.9			•	•
PNRBM1N(G,O)	Keystone	1/4"	0.037"	Round	1-1/2" / 38.1	3-3/4" / 95.3			•	•
PNRBM4N(G,O)	Keystone	1/4"	0.037"	Round	4" / 101.6	9" / 228.6			•	•
PNRBM6N(G,O)	Keystone	1/4"	0.037"	Round	6" / 152.4	11" / 279.4	•	•	•	•
PJRBM6N(G,O)	Keystone	5/16"	0.042"	Round	6" / 152.4	11" / 279.4			•	•
PJRBM8N(G,O)	Keystone	5/16"	0.042"	Round	8" / 203.2	13" / 330.2	•	•		
PKRBM8N(G,O)	Keystone	3/8"	0.050"	Round	8" / 203.2	13" / 330.2	•	•	•	•
PBM3010N(G,0)	Phillips®	#0		Round	1-1/2" / 38.1	4-1/4" / 108	•	•	•	•
PBM3020N(G,0)	Phillips®	#0		Round	2-1/2" / 63.5	5-1/2" / 139.7	•	•	•	•
PBM2031N(G,0)	Phillips®	#1		Round	3-1/4" / 82.6	8" / 203.2	•	•	•	•
PBM3012N(G,0)	Phillips®	#2		Round	1-1/2" / 38.1	3-3/4" / 95.3			•	•
PBM2042N(G,0)	Phillips®	#2		Round	4" / 101.6	9" / 228.6	•	•	•	•
PBM2062N(G,0)	Phillips®	#2		Round	6" / 152.4	13" / 330.2	•	•		
PBM2082N(G,0)	Phillips®	#2		Round	8" / 203.2	13" / 330.2			•	•
PBM2063N(G,0)	Phillips®	#3		Round	6" / 152.4	13" / 330.2			•	•
PBM2083N(G,O)	Phillips®	#3		Round	8" / 203.2	11" / 279.4	•	•		
ST10N(G,O)	Torx®	T10		Round	3" / 76.2	8" / 203.2			•	•
ST15N(G,O)	Torx®	T15		Round	3" / 76.2	8" / 203.2			•	•
ST2ON(G,O)	Torx®	T20		Round	6" / 152.4	11" / 279.4			•	•
ST25N(G,0)	Torx®	T25		Round	6" / 152.4	11" / 279.4			•	•

SCREWDRIVERS PRECISON AND POCKET SCREWDRIVERS







- 360° Ergonomic textured grip for maximum comfort for high torque applications
- Molded tip ID for easy recognition of tip type in the vertical position
- Nylon-alloy handle that is chemically resistant to gasoline, disk brake cleaner, brake fluid, motor oil, hydraulic fluid, ethylene glycol, acetone
- High-quality alloy-steel bar
 High-polished chrome finish

PRODUCT #	TIP TYPE	TIP SIZE	TIP THICKNESS	SHANK SHAPE	BAR LENGTH In. / MM	OVERALL LENGTH IN. / MM	SI	ET
SDP4DR	4-PC. Mac-G	rip [™] Precision	Combination S	crewdriver Se	t			
SDP2DR	2-PC. Mac-G	rip [™] Precision	Combination S	crewdriver Se	t			
PPG2DR	Cabinet	1/8"	0.020"	Round	2" / 50.8	5-1/4" / 133.35	•	
PPG3DR	Cabinet	1/8"	0.020"	Round	3" / 76.2	6-1/4" / 158.75		•
PPH3DR	Cabinet	3/16"	0.030"	Round	3" / 76.2	6-1/4" / 158.75		•
PP3020DR	Phillips®	#0	_	Round	2" / 50.8	5-1/4" / 133.35	•	
PP3030DR	Phillips®	#0	-	Round	3" / 76.2	6-1/4" / 158.75		•
PP2031DR	Phillips®	#1	_	Round	3" / 76.2	6-1/4" / 158.75		•

SDP4DR

GREAT TO WORK WITH



SDP2(**G**,**O**)

2-PC. 1/8" POCKET SCREWDRIVER SET

- Made of solid core Acetate plastic that is chemical resistant
- 4-Sided quad-lobular design with textured grip for comfort and torque

PRODUCT #	TIP TYPE	(A) TIP SIZE	TIP THICKNESS	SHANK SHAPE	BAR LENGTH In. / MM	OVERALL LENGTH In. / MM		SET	
SDP2	2-PC. 1/8" P	ocket Screwdr	iver Set - Red						
SDP2G	2-PC. 1/8" P	ocket Screwdr	iver Set - Gree	n					
SDP20	2-PC. 1/8" P	ocket Screwdr	iver Set - Oran	ge					
PN2B(G,O)	Cabinet	1/8"	0.020"	Square	2" / 50.8	4-1/2" / 114.3	•	•	•
PN2C(G,O)	Pry Bar	1/8"	0.020"	Square	2" / 50.8	4-1/2" / 114.3	•	•	•



SCREWDRIVERS MACSIMIZERTM SCREWDRIVERS AND SETS







SSTM8IB

SDRM32IB

MACSIMIZER™ PRECISION **SCREWDRIVER SETS**

- Bi-material handle for comfortable non-slip grip
- Color-coded handles for easy identification
- Overall length: 7" (177.8mm)

PRODUCT #	TIP TYPE	TIP SIZE	COLOR		SET	
SDRM32IB	32-PC. Macsim Screwdriver Se					
SDRM8IB	8-PC. Macsimiz Screwdriver Se	er™ Precision Ph et	illips®/Slotted			
SSTM8IB	8-PC. Macsimize Screwdriver Set	r™ Precision Tampe	er-Resistant Torx®			
SDRM3I	Slotted	3/32"	Red		•	•
SDRM4.5I	Slotted	9/64"	Red		•	•
SDRM4I	Slotted	1/8"	Red		•	•
SDRM5I	Slotted	5/32"	Red		•	•
SDRM6I	Slotted	3/16"	Red		•	•
SDRMHB1.51	Speed Hex	3/64"	Yellow			•
SDRMHB2.51	Speed Hex	5/64"	Yellow			•
SDRMHB2I	Speed Hex	1/16"	Yellow			•
SDRMHB3.51	Speed Hex	7/64"	Yellow			•
SDRMHB31	Speed Hex	3/32"	Yellow			•
SDRMHB4.51	Speed Hex	9/64"	Yellow			•
SDRMHB4I	Speed Hex	1/8"	Yellow			•
SDRMHB5I	Speed Hex	5/32"	Yellow			•
SDRMND2.51	Nut Driver	5/64"	Yellow			•
SDRMND3.51	Nut Driver	7/64"	Yellow			•
SDRMND31	Nut Driver	3/32"	Yellow			•
SDRMND4I	Nut Driver	1/8"	Yellow			•
SDRMND51	Nut Driver	5/32"	Yellow			•
SDRMND61	Nut Driver	3/16"	Yellow			•
SDRMND71	Nut Driver	7/32"	Yellow			•
SDRMND8I	Nut Driver	1/4"	Yellow			•
SDRMPOOI	Phillips®	#00	Blue		•	•
SDRMPOI	Phillips®	#0	Blue		•	•
SDRMP1I	Phillips®	#1	Blue		•	•
SDRMT5HI	Torx®	T5	Green	•		•
SDRMT6HI	Torx®	T6	Green	•		•
SDRMT7HI	Torx®	Т7	Green	•		•
SDRMT8HI	Torx®	T8	Green	•		•
SDRMT9HI	Torx®	Т9	Green	•		•
SDRMT10HI	Torx®	T10	Green	•		•
SDRMT15HI	Torx®	T15	Green	•		•
SDRMT20HI	Torx®	T20	Green	•		•

HEX BIT DRIVERS

SBDT12 MAGNET T-HANDLE 1/4" HEX BIT DRIVER

• Overall length: 12"

SBDT5

MAC-GRIP™ T-HANDLE 1/4" HEX BIT DRIVER

• Length: 5-1/2"

SBDR2

MAC-GRIP™ STUBBY
RATCHETING 1/4" HEX BIT
SCREWDRIVER

• Screwdriver end cap with bit holder

SBD8

MAC-GRIP™ MAGNETIC 1/4" HEX BIT DRIVER

• Screwdriver end cap with bit holder

SBDR8

MAC-GRIP™ RATCHETING 1/4" HEX BIT 9" SCREWDRIVER

SBDR13

MAC-GRIP™ RATCHETING 1/4" HEX BIT 18" SCREWDRIVER

- 45-Tooth gear for precision ratcheting
- Forward-lock-reverse switch mechanism
- Four-sided ergonomic design handle with storage compartment at base of handle
- Screwdriver end cap with bit holder
- Bi-material non-slip grip
- Knurled chrome driver



PRODUCT #	3/16" Slotted bit	1/4" SLOTTED BIT	1/4" SOCKET SQUARE DRIVE	#1 Phillips® bit	#2 Phillips® bit	T20 Torx® bit	T25 Torx® bit	LENGTH
SBDR2	1	1	1	1	1	1	1	3-1/2"
SBDR8	1	1	1	1	1	1	1	9"
SBDR13	1	1	1	1	1	1	1	18"
SBD8	1	1	1	1	1	1	1	8"

SCREWDRIVERS BITS AND SETS

RBRT™ RATCHETING SCREWDRIVER AND BIT SETS

- Magnetic drive end holds bit securely in place and holds ferrous fasteners to bit
- 45-Tooth gear for precision ratcheting
- Forward-lock-reverse switch mechanism
- Four-sided ergonomic design handle with storage compartment at base of handle
- Screwdriver end cap with bit holder
- Bi-material non-slip grip
- Knurled shaft for ease-of-use when trying to spin shaft by hand
- Bi-directional design allows removal and re-insertion of fasteners
- · Anti-Slip design resists rounding of fasteners
- Unique geometry designed to insert and remove good or compromised/rounded fasteners
- Designed to replace standard hex drive tools
- Bits made from S2 steel, heat-treated for optimum strength and durability, and coated with zinc phosphate to prevent rust

SBDR121RBRT

121-PC. MAC-GRIP™ RBRT™ **RATCHETING SCREWDRIVER** AND T-HANDLE DRIVER BIT SET



SBDB77RBRT 77-PC. RBRT™ BIT SET

PRODUCT #	TIP TYPE	TIP SIZE	OVERALL LENGTH IN. / MM	SE	TS
SBDR121RBRT	121-PC. Mac-Grip™ R	BRT™ Ratcheting Scre	wdriver and T-Handle D	river Bit	Set
SBDB77RBRT	77-PC. RBRT™ Bit Se	t			
BHX1.5MRBRT	Hex	1.5	1" / 25	•	•
BHX2MRBRT	Hex	2	1" / 25	•	•
BHX2.5MRBRT	Hex	2.5	1" / 25	•	•
BHX3MRBRT	Hex	3	1" / 25	•	•
BHX4MRBRT	Hex	4	1" / 25	•	•
BHX5MRBRT	Hex	5	1" / 25	•	•
BHX5.5MRBRT	Hex	5.5	1" / 25	•	•
BHX6MRBRT	Hex	6	1" / 25	•	•
BHX8MRBRT	Hex	8	1" / 25	•	•
BHX10MRBRT	Hex	10	1"/2	•	
BHX564RBRT	Hex	5/64"	1" / 25	•	
BHX332RBRT	Hex	3/32"	1" / 25		
BHX764RBRT	Hex	7/64"	1" / 25	•	
BHX18RBRT	Hex	1/8"	1" / 25	•	
BHX532RBRT	Hex	5/32"	1"/25	•	•
BHX332KBKI BHX316RBRT	Hex		1" / 25	•	•
		3/16"		•	_
BHX732RBRT	Hex	7/32"	1" / 25	•	٠
BHX14RBRT	Hex	1/4"	1" / 25	•	٠
BTPHX2MRBRT	Security Hex	2	1" / 25	•	٠
BTPHX2.5MRBRT	Security Hex	2.5	1" / 25	•	٠
BTPHX3MRBRT	Security Hex	3	1" / 25	•	٠
BTPHX4MRBRT	Security Hex	4	1" / 25	•	٠
BTPHX5MRBRT	Security Hex	5	1" / 25	•	٠
BTPHX6MRBRT	Security Hex	6	1" / 25	•	•
BTPHX564RBRT	Security Hex	5/64"	1" / 25	•	•
BTPHX332RBRT	Security Hex	3/32"	1" / 25	•	•
BTPHX764RBRT	Security Hex	7/64"	1" / 25	•	•
BTPHX18RBRT	Security Hex	1/8"	1" / 25	•	•
BTPHX532RBRT	Security Hex	5/32"	1" / 25	•	•
BTPHX316RBRT	Security Hex	3/16"	1" / 25	•	•
BTPHX732RBRT	Security Hex	7/32"	1" / 25	•	•
BTPHX14RBRT	Security Hex	1/4"	1" / 25	•	
BTPHX516RBRT	Security Hex	5/16"	1" / 25	•	•
BTPHX38RBRT	Security Hex	3/8"	1" / 25	•	
BSPHX4MRBRT	Ball Hex	4	1" / 25	•	
BSPHX5MRBRT	Ball Hex	5	1" / 25		
BSPHX5.5MRBRT	Ball Hex	5.5	1" / 25	•	
BSPHX6MRBRT	Ball Hex	6	1" / 25	•	
BSPHX2.5MRBRT	Ball Hex	2.5	1" / 25		
			1"/25	•	•
BSPHX3MRBRT Denuvaonent	Ball Hex	3			•
BSPHX18RBRT	Ball Hex	1/8	1" / 25	•	
BSPHX532RBRT	Ball Hex	5/32"	1" / 25	•	•
BSPHX316RBRT	Ball Hex	3/16"	1" / 25	•	•
BSPHX732RBRT	Ball Hex	7/32"	1" / 25	•	•
BSPHX14RBRT	Ball Hex	1/4"	1" / 25	•	٠
BSL18RBRT	ACR Slotted	1/8"	1" / 25		٠
BSL532RBRT	ACR Slotted	5/32"	1" / 25		•
BSL316RBRT	ACR Slotted	3/16"	1" / 25		•
BSL732RBRT	ACR Slotted	7/32"	1" / 25		٠
BSL14RBRT	ACR Slotted	1/4"	1" / 25		•
BSL932RBRT	ACR Slotted	9/32"	1" / 25		•
BSL3MRBRT	ACR Slotted	3	1" / 25		•
SSL4MRBRT	ACR Slotted	4	1" / 25		•
BSL4.5MRBRT	ACR Slotted	4.5	1" / 25		•
BSL5MRBRT	ACR Slotted	5	1" / 25		•
BSL5.5MRBRT	ACR Slotted	5.5	1" / 25		•
BSL6MRBRT	ACR Slotted	6	1" / 25		
BSL6.5MRBRT	ACR Slotted	6.5	1" / 25		•
BSL7MRBRT	ACR Slotted	7	1" / 25		
			. , _0		

			OVERALL LENGTH		
PRODUCT #	TIP TYPE	TIP SIZE	IN. / MM	SE	TS
BPHORBRT	ACR Philips®	#0	1" / 25		•
BPH1RBRT	ACR Philips®	#1	1" / 25		•
BPH2RBRT	ACR Philips®	#2	1" / 25		•
BPH3RBRT	ACR Philips®	#3	1" / 25		•
BPH4RBRT	ACR Philips®	#4	1" / 25		•
BPZORBRT	ACR Pozidriv	#0	1" / 25		•
BPZ1RBRT	ACR Pozidriv	#1	1" / 25		•
BPZ2RBRT	ACR Pozidriv	#2	1" / 25		•
BPZ3RBRT	ACR Pozidriv	#3	1" / 25		•
BPZ4RBRT	ACR Pozidriv	#4	1" / 25		•
BTX6RBRT	Torx®	T6	1" / 25	•	•
BTX8RBRT	Torx®	T8	1" / 25	•	•
BTX10RBRT	Torx®	T10	1" / 25	•	•
BTX15RBRT	Torx®	T15	1" / 25	•	•
BTX20RBRT	Torx®	T20	1" / 25	•	•
BTX25RBRT	Torx®	T25	1" / 25	•	•
BTX27RBRT	Torx®	T27	1" / 25	•	•
BTX30RBRT	Torx®	T30	1" / 25	•	•
BTX40RBRT	Torx®	T40	1" / 25	•	•
BTX45RBRT	Torx®	T45	1" / 25	•	•
BTX50RBRT	Torx®	T50	1" / 25	•	•
BTPTX8RBRT	Tamperproof Torx®	T8	1" / 25	•	•
BTPTX20RBRT	Tamperproof Torx®	T20	1" / 25	•	•
BTPTX25RBRT	Tamperproof Torx®	T25	1" / 25	•	•
BTP8RBRT	Torx® Plus	IP8	1" / 25	•	•
BTP10RBRT	Torx® Plus	IP10	1" / 25	•	•
BTP15RBRT	Torx® Plus	IP15	1" / 25	•	•
BTP20RBRT	Torx® Plus	IP20	1" / 25	•	•
BTP25RBRT	Torx® Plus	IP25	1" / 25	•	•
BTP27RBRT	Torx® Plus	IP27	1" / 25	•	•
BTP30RBRT	Torx® Plus	IP30	1" / 25	•	•
BTP40RBRT	Torx® Plus	IP40	1" / 25	•	•
BTP45RBRT	Torx® Plus	IP45	1" / 25	•	•
BSQORBRT	Square/Robertson	#0	1" / 25	•	•
BSQ1RBRT	Square/Robertson	#1	1" / 25	•	•
BSQ2RBRT	Square/Robertson	#2	1" / 25	•	•
BSQ3RBRT	Square/Robertson	#3	1" / 25	•	•
BSP4MRBRT	Spanner	4	1" / 25		•
BSP6MRBRT	Spanner	6	1" / 25		•
BSP8MRBRT	Spanner	8	1" / 25		•
BSP10MRBRT	Spanner	10	1" / 25		•
BHTORQ6MRBRT	Torq-Set	6	1" / 25		•
BHTORQ8MRBRT	Torq-Set	8	1" / 25		•
BHTORQ10MRBRT	Torq-Set	10	1" / 25		•
BTW1RBRT	Tri-Wing	#1	1" / 25		•
BTW2RBRT	Tri-Wing	#2	1" / 25		•
BTW3RBRT	Tri-Wing	#3	1" / 25		•
BTW4RBRT	Tri-Wing	#4	1" / 25		•
BCL532RBRT	Clutch	5/32"	1" / 25		•
BCL316RBRT	Clutch	3/16"	1" / 25		•
BCL14RBRT	Clutch	1/4"	1" / 25		•
BTS5MMRBRT	Triple Square	5	1" / 25	•	•
BTS6MMRBRT	Triple Square	6	1" / 25	•	•
BTS8MMRBRT	Triple Square	8	1" / 25	•	•
BWNYRBRT	Wing Nut	1/4	-		•
BITCPLRRBRT	Bit Coupler	1/4"	-		•
BADT1RBRT	1/4" Drive Adapter	25	-		•
BADT2RBRT	1/4" Drive Adapter	50	-		•
BQCCRBRT	1/4" Quick Connect Chuck	60	-		•
conne	Ratcheting	4 (All CO T ::			
SBDR8	Screwdriver	1/4" 60-Tooth	-		•
SBDT5RBRT	T-Handle	1/4"	-		•

SCREWDRIVERS BITS AND SETS

MAC-GRIP™ BIT SETS

- $\mathsf{Mac}\text{-}\mathsf{Grip}^{^\mathsf{m}}$ handle magnetic screwdriver
- Bits made of S2 steel for long lasting durability
- Packaged in blow-molded case for easy storage and organization



PRODUCT #	TIP TYPE	TIP SIZE	HEX SIZE	LENGTH		S	ET	
SBDR123SA	123-PC. Mac-Grip"							
SBDR49SA	49-PC. Mac-Grip™	Ratcheting 1/4	4" Hex Bit S	crewdriver (Set			
SBD29SA	29-PC. Mac-Grip™							
SBDR42SA	42-PC. Mac-Grip™			1				
BPHO	Phillips®	#0	1/4"	1"		•	٠	•
BPH1	Phillips®	#1	1/4"	1"		•	٠	٠
BPH1L2	Phillips®	#1	1/4"	2"			٠	
BPH1L6	Phillips®	#1	1/4"	6"			٠	
BPH2	Phillips®	#2	1/4"	1"		٠	٠	•
BPH2L2	Phillips®	#2	1/4"	2"			٠	
BPH2L6	Phillips®	#2	1/4"	6"			٠	
ВРНЗ	Phillips®	#3	1/4"	1"		•	٠	•
BPH4	Phillips®	#4	1/4"	1"				•
BPPH000	Phillips®	#000	1/8"	1-1/8"	•			
BPPHOO	Phillips®	#00	1/8"	1-1/8"	•			
BPPHO BPPHA	Phillips®	#0	1/8"	1-1/8"	•			
BPPH1	Phillips®	#1	1/8"	1-1/8"	•			
BSL18 BSL532	Slotted Slotted	1/8"	1/4"	1"			٠	•
BSL316	Slotted	5/32"	1/4"	1"			•	•
BSL316L2	Slotted	3/16"	1/4"	2"			٠	•
BSL732	Slotted	7/32"	1/4"	1"			•	
BSL132 BSL14	Slotted	1/4"	1/4"	1"			•	•
BSL14L2	Slotted	1/4"	1/4"	5.			•	•
BSL14L6	Slotted	1/4"	1/4"	6"			•	
BSL932	Slotted	9/32"	1/4"	1"				
BSL3M	Slotted	3mm	1/4"	1"				
BSL4M	Slotted	4mm	1/4"	1"				
BSL4.5MM	Slotted	4.5mm	1/4"	1"		-		
BSL5M	Slotted	5mm	1/4"	1"				•
BSL5.5MM	Slotted	5.5mm	1/4"	1"				
BSL6M	Slotted	6mm	1/4"	1"				•
BSL6.5MM	Slotted	6.5mm	1/4"	1"				
BSL7MM	Slotted	7mm	1/4"	1"				
BSL8M	Slotted	8mm	1/4"	1"				
BPSL1MM	Slotted	1mm	1/4"	1-1/8"				
BPSL1.5MM	Slotted	1.5mm	1/4"	1-1/8"				
BPSL2MM	Slotted	2mm	1/4"	1-1/8"				
BPSL2.5MM	Slotted	2.5mm	1/4"	1-1/8"				
BPSL3MM	Slotted	3mm	1/4"	1-1/8"				
BPSL4MM	Slotted	4mm	1/4"	1-1/8"				
ВРТХ4	Torx®	T4	1/8"	1-1/8"	•			
ВРТХ5	Torx®	T5	1/8"	1-1/8"				
ВРТХ6	Torx®	T6	1/8"	1-1/8"	•			
ВРТХ7	Torx®	T7	1/8"	1-1/8"	•			
ВРТХ8	Torx®	T8	1/8"	1-1/8"	•			
ВРТХ9	Torx®	T9	1/8"	1-1/8"	•			
ВРТХ10	Torx®	T10	1/8"	1-1/8"	•			
ВРТХ15	Torx®	T15	1/8"	1-1/8"	•			
ВРТХ20	Torx®	T20	1/8"	1-1/8"	٠			
ВТХ6	Torx®	T6	1/4"	1"	•			•
ВТХ7	Torx®	T7	1/4"	1"				•
ВТХ8	Torx®	T8	1/4"	1"				•
ВТХ10	Torx®	T10	1/4"	1"				•
BTX15	Torx®	T15	1/4"	1"				•
BTX20	Torx®	T20	1/4"	1"				•
BTX25	Torx®	T25	1/4"	1"				•
BTX25L6	Torx®	T25	1/4"	6"			٠	
BTX27	Torx®	T27	1/4"	1"				•
ВТХ30	Torx®	T30	1/4"	1"				•
BTX40	Torx®	T40	1/4"	1"				•
BTX45	Torx®	T45	1/4"	1"				•
BTX50	Torx®	T50	1/4"	1"				•

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PRODUCT #	TIP TYPE	TIP SIZE	HEX SIZE	LENGTH		S	ET	
BDR123SA	123-PC. Mac-Grip™ Rat	cheting 1/4"	Hex Bit Drive	er Set				
BDR49SA	49-PC. Mac-Grip™ Ratc							
BD29SA	29-PC. Mac-Grip [™] 1/4"							
BDR42SA	42-PC. Mac-Grip™ Ratc	het Precisio	n Screwdrive	r Set				
SQO	Square	#0	1/4"	1"		•		
ISQ1	Square	#1	1/4"	1"		•		
SQ2	Square	#2	1/4"	1"				
ISQ3	Square	#3	1/4"	1"				
IDSQ3	Double Square	#2	1/4"	1"				Г
SP4MM	Spanner	4mm	1/4"	1"				Г
SP6MM	Spanner	6mm	1/4"	1"				
SP8MM	Spanner	8mm	1/4"	1"				
SP10MM	Spanner	10mm	1/4"	1"				
втртх6	Tamper-Resistant Torx®	T6H	1/4"	1"			•	Γ
тртх7	Tamper-Resistant Torx®	T7H	1/4"	1"				
втртх8	Tamper-Resistant Torx®	T8H	1/4"	1"				
втртх9	Tamper-Resistant Torx®	T9H	1/4"	1"				
ВТРТХ10	Tamper-Resistant Torx®	T10H	1/4"	1"		•		
ТРТХ15	Tamper-Resistant Torx®	T15H	1/4"	1"		•		
ТРТХ20	Tamper-Resistant Torx®	T20H	1/4"	1"		•	٠	
ТРТХ25	Tamper-Resistant Torx®	T25H	1/4"	1"		•	٠	
ВТРТХ27	Tamper-Resistant Torx®	T27H	1/4"	1"				
ТРТХ30	Tamper-Resistant Torx®	T30H	1/4"	1"		•	٠	
ЗТРТХ40	Tamper-Resistant Torx®	T40H	1/4"	1"		•	٠	
BTW1	Tri-Wing	#1	1/4"	1"				
BTW2	Tri-Wing	#2	1/4"	1"				
BTW3	Tri-Wing	#3	1/4"	1"				
BTW4	Tri-Wing	#4	1/4"	1"				
HX564	Hex	5/64"	1/4"	1"		•	•	
HX332	Hex	3/32"	1/4"	1"		•	•	
BHX764	Hex	7/64"	1/4"	1"		•	•	
BHX18	Hex	1/8"	1/4"	1"		•	•	
HX964	Hex	9/64"	1/4"	1"		•	•	
HX532	Hex	5/32"	1/4"	1"				
BHX316	Hex	3/16"	1/4"	1"				
BHX732	Hex	7/32"	1/4"	1"				
BHX14	Hex	1/4"	1/4"	1"				
BHX1.5MM	Hex	1.5mm	1/4"	1"				
HX2MM	Hex	2mm	1/4"	1"				
BHX2.5MM	Hex	2.5mm	1/4"	1"				
нхзим	Hex	3mm	1/4"	1"			•	
BHX4MM	Hex	4mm	1/4"	1"			•	
BHX5MM	Hex	5mm	1/4"	1"			•	
BHX5.5MM	Hex	5.5mm	1/4"	1"				
внх6мм	Hex	6mm	1/4"	1"			•	
ВНХ8ММ	Hex	8mm	1/4"	1"				
BHX10MM	Hex	10mm	1/4"	1"				
BPHX0.7MM	Hex	0.7mm	1/8"	1-1/8"	٠			
BPHX0.9MM	Hex	0.9mm	1/8"	1-1/8"	٠			
BPHX1.3MM	Hex	1.3mm	1/8"	1-1/8"	٠			
PHX1.5MM	Hex	1.5mm	1/8"	1-1/8"	٠			
PHX2MM	Hex	2mm	1/8"	1-1/8"	٠			
PHX2.5MM	Hex	2.5mm	1/8"	1-1/8"	٠			
РНХЗММ	Hex	3mm	1/8"	1-1/8"	٠			
PHX4MM	Hex	4mm	1/8"	1-1/8"	٠			
HTORQ6MM	Torq-Set®	6mm	1/4"	1"				
HTORQ8MM	Torq-Set®	8mm	1/4"	1"				
HTORQ10MM	Torq-Set®	10mm	1/4"	1"				
PPZO	Pozidriv®	#0	1/8"	1-1/8"	٠			
IPPZ1	Pozidriv®	#1	1/8"	1-1/8"	٠			
BPZO	Pozidriv®	#0	1/4"	1"		•	٠	
BPZ1	Pozidriv®	#1	1/4"	1"		•	٠	
BPZ2	Pozidriv [®]	#2	1/4"	1"			٠	
IPZ3	Pozidriv®	#3	1/4"	1"			٠	
BPZ4	Pozidriv®	#4	1/4"	1"				

PRODUCT #	TIP TYPE	TIP SIZE	HEX SIZE	LENGTH		S	ET	
SBDR123SA	123-PC. Mac-Grip™ Rat						_	
SBDR49SA	49-PC. Mac-Grip™ Rate							
SBD29SA	29-PC. Mac-Grip™ 1/4"							
SBDR42SA	42-PC. Mac-Grip™ Rate	het Precision	Screwdrive	r Set				
BSPLM5	Spline	M5	1/4"	1"				
BSPLM6	Spline	M6	1/4"	1"				
BSPLM8	Spline	M8	1/4"	1"				
BCL532	Clutch	5/32"	1/4"	1"				
BCL316	Clutch	3/16"	1/4"	1"				
BCL14	Clutch	1/4"	1/4"	1"				•
BPND332	Nut	3/32"	1/8"	1-1/8"	•			
BPND18	Nut	1/8"	1/8"	1-1/8"	•			
BPND964	Nut	9/64"	1/8"	1-1/8"	•			
BPND532	Nut	5/32"	1/8"	1-1/8"	٠			
BPND316	Nut	3/16"	1/8"	1-1/8"	•			
BPND2.5MM	Nut	2.5mm	1/8"	1-1/8"	٠			
BPND3MM	Nut	3mm	1/8"	1-1/8"	٠			
BPND3.5MM	Nut	3.5mm	1/8"	1-1/8"	٠			
BPND4MM	Nut	4mm	1/8"	1-1/8"	٠			
BPND4.5MM	Nut	4.5mm	1/8"	1-1/8"	٠			
BPND5MM	Nut	5mm	1/8"	1-1/8"	٠			
BSPHX18	Speed Hex	1/8"	1/4"	1"				•
BSPHX532	Speed Hex	5/32"	1/4"	1"				•
BSPHX316	Speed Hex	3/16"	1/4"	1"				•
BSPHX732	Speed Hex	7/32"	1/4"	1"				•
BSPHX14	Speed Hex	1/4"	1/4"	1"				•
BSPHX2.5MM	Speed Hex	2.5mm	1/4"	1"				٠
ВЅРНХЗММ	Speed Hex	3mm	1/4"	1"				٠
BSPHX4MM	Speed Hex	4mm	1/4"	1"				•
BSPHX5MM	Speed Hex	5mm	1/4"	1"				•
BSPHX5.5MM	Speed Hex	5.5mm	1/4"	1"				•
BSPHX6MM	Speed Hex	6mm	1/4"	1"				•
BTPHX564	Tamper-Resistant Hex	5/64"	1/4"	1"				•
ВТРНХЗЗ2	Tamper-Resistant Hex	3/32"	1/4"	1"				•
ВТРНХ764	Tamper-Resistant Hex	7/64"	1/4"	1"				•
ВТРНХ18	Tamper-Resistant Hex	1/8"	1/4"	1"				•
ВТРНХ964	Tamper-Resistant Hex	9/64"	1/4"	1"				•
BTPHX532	Tamper-Resistant Hex	5/32"	1/4"	1"				•
BTPHX316 BTPHX732	Tamper-Resistant Hex	3/16"	1/4"	1"				•
BTPHX14	Tamper-Resistant Hex Tamper-Resistant Hex	1/4"	1/4"	1"				•
BTPHX932	Tamper-Resistant Hex	9/32"	1/4"	1"				•
BTPHX516	Tamper-Resistant Hex	5/16"	1/4"	1"				•
BTPHX38	Tamper-Resistant Hex	3/8"	1/4"	1"				
BTPHX2MM	Tamper-Resistant Hex	2mm	1/4"	1"				
BTPHX2.5MM	Tamper-Resistant Hex	2.5mm	1/4"	1"				
BTPHX2.3MM	Tamper-Resistant Hex	3mm	1/4"	1"				
BTPHX4MM	Tamper-Resistant Hex	4mm	1/4"	1"				
BTPHX5MM	Tamper-Resistant Hex	5mm	1/4"	1"				
ВТРНХ6ММ	Tamper-Resistant Hex	6mm	1/4"	1"				
BADT1	Bit Adapter	-	1/4"	1"				
BADT2	Bit Adapter	-	1/4"	2"			٠	
BEXT2	Magnetic Bit Extension	-	1/4"	2"				
BPFLEXT8	Flexible Extension	-	1/8"	8"				
BSKTADT14	Socket Adapter	-	1/4"	1"				
BQCC	Quick Change Chuck	-	1/4"	2-10/27"				
BWNY	Wing Nut/Y	-	1/4"	1"				
SBD8	Bit Screwdriver	-	1/4"	8"				
SBDR5	Bit Ratcheting Screwdriver	-	1/8"	5-1/4"				
SBDR8	Bit Ratcheting Screwdriver	-	1/4"	9"				
				1				

SCREWDRIVERS BITS AND SETS

• Full-polish, mini-ratcheting bit driver included (MR5BD)

· Blow-mold case



PRODUCT #	TIP TYPE	TIP SIZE	HEX SIZE	LENGTH			
SBDR69K	69-PC. Bit Driver						
SBDR32K	32-PC. Bit Driver	Set					i
внх14	Hex	1/4"	1/4"	1" / 25		•	
внх18	Hex	1/8"	1/4"	1" / 25		•	1
ВНХ316	Hex	3/16"	1/4"	1" / 25		•	١
ВНХ332	Hex	3/32"	1/4"	1" / 25		•	١
ВНХ532	Hex	5/32"	1/4"	1" / 25		•	١
ВНХ564	Hex	5/64"	1/4"	1" / 25		•	ı
ВНХ732	Hex	7/32"	1/4"	1" / 25		•	١
ВНХ764	Hex	7/64"	1/4"	1" / 25		•	ı
ВНХ964	Hex	9/64"	1/4"	1" / 25		•	١
BHX1.5MM	Hex	1.5mm	1/4"	1" / 25		•	
внх2мм	Hex	2mm	1/4"	1" / 25		•	
BHX2.5MM	Hex	2.5mm	1/4"	1" / 25	•	•	I
внхзмм	Hex	3mm	1/4"	1" / 25	•	•	I
внх4мм	Hex	4mm	1/4"	1" / 25	•	•	
внх5ММ	Hex	5mm	1/4"	1" / 25	•	•	
внх6мм	Hex	6mm	1/4"	1" / 25	•	•	
ВРНО	Phillips	#0	1/4"	1" / 25	•	•	
BPH1	Phillips	#1	1/4"	1" / 25	•	•	ŀ
BPH1L3	Phillips	#1	1/4"	3" / 75		•	
BPH1L5	Phillips	#1	1/4"	5" / 125		•	
BPH2	Phillips	#2	1/4"	1" / 25		•	ŀ
BPH2L3	Phillips	#2	1/4"	3" / 75	•	•	
BPH2L5	Phillips	#2	1/4"	5" / 125	•	•	ı
врнз	Phillips	#3	1/4"	1" / 25	•	•	
BPZ0	Pozidriv	#0	1/4"	1" / 25	•	•	
BPZ1	Pozidriv	#1	1/4"	1" / 25	•	•	ı
BPZ2	Pozidriv	#2	1/4"	1" / 25	•	•	ı
BPZ23L	Pozidriv	#2	1/4"	3" / 75		•	
BPZ3	Pozidriv	#3	1/4"	1" / 25		•	
BSL3M	Slotted	3mm	1/4"	1" / 25	•	•	I
BSL4M	Slotted	4mm	1/4"	1" / 25		•	
BSL5M	Slotted	5mm	1/4"	1" / 25	•	•	١
BSL5M3	Slotted	5mm	1/4"	3" / 75		•	
BSL5M5	Slotted	5mm	1/4"	5" / 125		•	
BSL6M	Slotted	6mm	1/4"	1" / 25	•	•	
BSL7MM	Slotted	7mm	1/4"	1" / 25		•	
BSL8M	Slotted	8mm	1/4"	1" / 25		•	

PRODUCT #	TIP TYPE	TIP SIZE	HEX SIZE	LENGTH	SET	
SBDR69K	69-PC. Bit Driver S	et				
SBDR32K	32-PC. Bit Driver S	et				
BSPLM5	Spline	M5	1/4"	1" / 25		•
BSPLM6	Spline	M6	1/4"	1" / 25		•
BSPLM8	Spline	M8	1/4"	1" / 25		•
BSQO	Square	#0	1/4"	1" / 25		•
BSQ1	Square	#1	1/4"	1" / 25	•	•
BSQ2	Square	#2	1/4"	1" / 25	•	•
BSQ3	Square	#3	1/4"	1" / 25		•
ВТРТХ10	Tamper-Res. Star	T10	1/4"	1" / 25		•
ВТРТХ15	Tamper-Res. Star	T15	1/4"	1" / 25		•
BTPTX20	Tamper-Res. Star	T20	1/4"	1" / 25		•
ВТРТХ25	Tamper-Res. Star	T25	1/4"	1" / 25		•
ВТРТХ27	Tamper-Res. Star	T27	1/4"	1" / 25		•
ВТРТХ30	Tamper-Res. Star	T30	1/4"	1" / 25		•
ВТРТХ40	Tamper-Res. Star	T40	1/4"	1" / 25		•
ВТРТХ8	Tamper-Res. Star	T8	1/4"	1" / 25		•
BTX10	Star	T10	1/4"	1" / 25	•	•
ВТХ15	Star	T15	1/4"	1" / 25	•	•
BTX20	Star	T20	1/4"	1" / 25	•	•
BTX20L3	Star	T20	1/4"	3" / 75	•	•
BTX20L5	Star	T20	1/4"	5" / 125		•
BTX25	Star	T25	1/4"	1" / 25	•	•
BTX25L3	Star	T25	1/4"	3" / 75	•	•
BTX25L5	Star	T25	1/4"	5" / 125		•
ВТХ27	Star	T27	1/4"	1" / 25	•	•
ВТХ30	Star	T30	1/4"	1" / 25	•	•
BTX30L3	Star	T30	1/4"	3" / 75	•	•
BTX30L5	Star	T30	1/4"	5" / 125		•
BTX40	Star	T40	1/4"	1" / 25	•	•
ВТХ8	Star	T8	1/4"	1" / 25		•
MR5BD	Ratcheting	g Bit Driver		5" / 125		•
BADT1	Bit A	dapter		1" / 25	•	•
ВМВН	Magnetic	,	1/4" / 65	•	•	







PRODUCT #	TIP TYPE	TIP SIZE	HEX SIZE	LENGTH	SI	ΞŢ
SD60KL	60-PC. Long Bit D	river Set				
SD33KL	33-PC. Long Bit D	river Set				
BTX10L1	Star	T10	1/4"	1-1/4" / 32		•
BTX10L3	Star	T10	1/4"	3" / 75	•	•
BTX10L6	Star	T10	1/4"	6" / 150	•	•
BTX15L1	Star	T15	1/4"	1-1/4"		•
BTX15L3	Star	T15	1/4"	3" / 75	•	•
BTX15L6	Star	T15	1/4"	6" / 150	•	•
BTX20L1	Star	T20	1/4"	1-1/4"		•
BTX20L3-2	Star	T20	1/4"	3" / 75	•	•
BTX20L6	Star	T20	1/4"	6" / 150	•	•
BTX25L1	Star	T25	1/4"	1-1/4"		•
BTX25L3-2	Star	T25	1/4"	3" / 75	•	•
BTX25L6-2	Star	T25	1/4"	6" / 150	•	•
BTX27L1	Star	T27	1/4"	1-1/4"		•
BTX27L3	Star	T27	1/4"	3" / 75	•	•
BTX27L6	Star	T27	1/4"	6" / 150	•	•
BTX30L1	Star	T30	1/4"	1-1/4"		•
BTX30L3-2	Star	T30	1/4"	3" / 75	•	•
BTX30L6-2	Star	T30	1/4"	6" / 150	•	•
BTX40L1	Star	T40	1/4"	1-1/4" / 32		•
BTX40L3	Star	T40	1/4"	3" / 75		•
BTX40L6	Star	T40	1/4"	6" / 150		•
NSS8	Nut Setter	1/4"	1/4"	2" / 50		•
NSS10	Nut Setter	5/16"	1/4"	2" / 50		•
NSS12	Nut Setter	3/8"	1/4"	2" / 50		•
NSM8MM	Nut Setter	8mm	1/4"	2" / 50	•	•
NSM10MM	Nut Setter	10mm	1/4"	2" / 50	•	•
NSM12MM	Nut Setter	12mm	1/4"	2" / 50	•	•
BADIT2	Ad	apter		2" / 50	•	•
BADIT3	Ad	apter		2" / 50	•	•

SGRAMORIS BITS AND SETS

SBR39SB

39-PC. RATCHET AND STUBBY BIT SET

- Low profile, double ended mini ratchet wrench
- 8" Long with dual thumb wheels for ease of operation and close quarters work
- Works with all 1/4" and 5/16" hex bits and 1/4" square drive sockets
- Half-cut bits for increased strength
- Short 5/8" (16mm) bits made from S2 steel for strength
- Ideal for close quarters work



			DRIVE	OVERALL LENGTH	
PRODUCT #	TIP TYPE	TIP SIZE	SIZE	IN. / MM	SET
SBR39SB	39-PC. Ratchet and Stubb	y Bit Set			
BADT3	Hex/Square Adapter	5/16"	1/4"	5/8" / 16	•
BHX10MMSB	Hex	10mm	5/16"	5/8" / 16	•
BHX14SB	Hex	1/4"	1/4"	5/8" / 16	•
BHX18SB	Hex	1/8"	1/4"	5/8" / 16	•
BHX2.5MMSB	Hex	2.5mm	1/4"	5/8" / 16	•
BHX2MMSB	Hex	2mm	1/4"	5/8" / 16	•
BHX316SB	Hex	3/16"	1/4"	5/8" / 16	•
BHX38SB	Hex	3/8"	5/16"	5/8" / 16	•
BHX3MMSB	Hex	3mm	1/4"	5/8" / 16	•
BHX4MMSB	Hex	4mm	1/4"	5/8" / 16	•
BHX516SB	Hex	5/16"	5/16"	5/8" / 16	•
BHX532SB	Hex	5/32"	1/4"	5/8" / 16	•
BHX5MMSB	Hex	5mm	1/4"	5/8" / 16	•
BHX6MMSB	Hex	6mm	1/4"	5/8" / 16	•
BHX732SB	Hex	7/32"	1/4"	5/8" / 16	•
BHX7MMSB	Hex	7mm	5/16"	5/8" / 16	•
BHX8MMSB	Hex	8mm	5/16"	5/8" / 16	•
внх964ѕв	Hex	9/64"	1/4"	5/8" / 16	•
внхэммѕв	Hex	9mm	5/16"	5/8" / 16	•
BPH1SB	Phillips®	#1	1/4"	5/8" / 16	•
BPH2SB	Phillips®	#2	1/4"	5/8" / 16	•
BTX10SB	Torx®	T10	1/4"	5/8" / 16	•
BTX15SB	Torx®	T15	1/4"	5/8" / 16	•
BTX20SB	Torx [®]	T20	1/4"	5/8" / 16	•
BTX25SB	Torx®	T25	1/4"	5/8" / 16	•
BTX27SB	Torx®	T27	1/4"	5/8" / 16	•
BTX30SB	Torx®	T30	1/4"	5/8" / 16	•
BTX40SB	Torx®	T40	5/16"	5/8" / 16	•
BTX45SB	Torx®	T45	5/16"	5/8" / 16	•
BTX47SB	Torx®	T47	5/16"	5/8" / 16	•
BTX50SB	Torx®	T50	5/16"	5/8" / 16	•
BW8SB	8" Bit Ratchet Wrench	1/4" & 5/16"	1/4"	8" / 200	•
BXZN10SB	Triple Square	10mm	5/16"	5/8" / 16	•
BXZN4SB	Triple Square	4mm	1/4"	5/8" / 16	•
BXZN5SB	Triple Square	5mm	1/4"	5/8" / 16	•
BXZN6SB	Triple Square	6mm	1/4"	5/8" / 16	•
BXZN7SB	Triple Square	7mm	1/4"	5/8" / 16	•
BXZN8SB	Triple Square	8mm	5/16"	5/8" / 16	•
BXZN9SB	Triple Square	9mm	5/16"	5/8" / 16	•

SD46K 46-PC. 1/4" HEX POWERBIT SET • Bits made of S2 steel for long lasting durability



PRODUCT #	TIP TYPE	TIP SIZE	OVERALL LENGTH IN. / MM	SET
SD46K	46-PC. 1/4" Hex Powerbi			
ВНХ14	Hex	1/4"	1" / 25	•
ВНХ18	Hex	1/8"	1" / 25	•
ВНХ316	Hex	3/16"	1" / 25	•
ВНХ332	Hex	3/32"	1" / 25	•
внхзмм	Hex	3mm	1" / 25	•
BHX4MM	Hex	4mm	1" / 25	•
BHX532	Hex	5/32"	1" / 25	•
BHX564	Hex	5/64"	1" / 25	•
BHX5MM	Hex	5mm	1" / 25	•
внх6мм	Hex	6mm	1" / 25	•
BHX732	Hex	7/32"	1" / 25	•
ВНХ764	Hex	7/64"	1" / 25	•
ВРНО	Phillips®	#0	1" / 25	•
BPH1	Phillips®	#1	1" / 25	•
BPH2	Phillips®	#2	1" / 25	•
ВРН3	Phillips®	#3	1" / 25	•
BPZO	Pozidriv®	#0	1" / 25	•
BPZ1	Pozidriv®	#1	1" / 25	•
BPZ2	Pozidriv®	#2	1" / 25	•
BPZ3	Pozidriv®	#3	1" / 25	•
BSL14	Slotted	1/4"	1" / 25	•
BSL18	Slotted	1/8"	1" / 25	•
BSL316	Slotted	3/16"	1" / 25	•
BSL532	Slotted	5/32"	1" / 25	•
BSL732	Slotted	7/32"	1" / 25	•
BSL932	Slotted	9/32"	1" / 25	•
BSQO	Square	#0	1" / 25	•
BSQ1	Square	#1	1" / 25	•
BSQ2	Square	#2	1" / 25	•
BSQ3	Square	#3	1" / 25	•
ВТРТХ6	Tamper-Resistant Star	T6H	1" / 25	•
ВТРТХ7	Tamper-Resistant Star	T7H	1" / 25	•
ВТРТХ8	Tamper-Resistant Star	T8H	1" / 25	•
ВТРТХ9	Tamper-Resistant Star	T9H	1" / 25	•
ВТРТХ10	Tamper-Resistant Star	T10H	1" / 25	•
ВТРТХ15	Tamper-Resistant Star	T15H	1" / 25	•
ВТРТХ20	Tamper-Resistant Star	T20H	1" / 25	•
BTPTX25	Tamper-Resistant Star	T25H	1" / 25	•
ВТРТХ27	Tamper-Resistant Star	T27H	1" / 25	•
ВТРТХ30	Tamper-Resistant Star	T30H	1" / 25	•
ВТРТХ40	Tamper-Resistant Star	T40H	1" / 25	•
BADT2	1/4" Square Drive Male		2" / 50	•
BQCC	Quick-Change (inuck	2-3/8" / 60	•



SBDR3S

3-PC. RATCHETING BIT DRIVER SET

- Low profile
- 60-Tooth gear

PRODUCT #	DESCRIPTION	DRIVE SIZE	LENGTH	SET
SBDR3S	3-PC. Ratcheting Bit D	river Set		
MBDE4	Knurled Extension	1/4" Hex	4"	•
MRBD4	Bit Ratchet	1/4" Hex	4-1/2"	•
MRBD4F	Flexible Bit Ratchet	1/4" Hex	5"	•





BWS7B

7-PC. RATCHETING 1/4" HEX BIT SCREWDRIVER SET

- Three different angled ratcheting wrenches: flat, 65°, and 25° offsets
- Magnetic bit holder designed to fit any 1/4" hex bit

PRODUCT #	DESCRIPTION	SET
BWS7B	7-PC. Ratcheting 1/4" Hex Bit Screwdrive	r Set
BWS7BF	1/4" Flat Fine Tooth Wrench	•
BWS7B0	1/4" Offset Fine Tooth Wrench	•
BWS7BR0	1/4" Reverse Offset Fine Tooth Wrench	•
BWS7B-670	#1 Phillips® Bit	•
BWS7B-671	#2 Phillips® Bit	•
BWS7B-674	6 – 8 Slotted 1/4" Bit	•
BWS7B-675	8 – 10 Slotted 9/32" Bit	•



SBW9K

9-PC. 1/4" HEX BIT FLEX SQUARE DRIVER SET

- Unique flex-square hinge design provides double offset at hinge
- 72-Tooth drive gear provides 5° arc swing
- Lightweight aluminum handle helps reduce fatigue
- 1/4" Hex Right-angle drive works great for those confined spaces

INCLUDES:

[7] Bits: 1/8", 1/4", 5/16", P1, P2, P3, and T15

[1] 1/4" Square Drive Adapter

Phillips" is a trademark of Phillips Screw Company | Pozidriv" is a trademark of P. Torv" is a trademark of Actiment Intellectual Properties, LLC.

GREAT TO WORK WITH





RSD6425-33

RSD6425 RATCHETING 1/4" HEX BIT SCREWDRIVER

· Ratchet action with infinite settings

PRODUCT #	DESCRIPTION	SET
RSD6425	Ratcheting 1/4" Hex Bit Screwdriver	
RSD6425-30	Straight Slot Bit with Knob	•
RSD6425-33	#2 Phillips® Bit with Knob	•
RSD6425-60	Handle	•

RSD6425-60

MD5 MAGNETIZER/ DEMAGNETIZER

- Quickly magnetizes screwdriver and other tools
- Demagnetizes tools just as quickly



BD908-03

3-PC. 1/4" HEX BIT DRIVER SET

- Allows easy access in tight areas
- Heavy-duty mini driver uses 1/4" drive and generates substantial torque
- Slotted and Phillips® head bits



SS2M

STANDARD-SLOTTED MECHANICAL SCREW STARTER

- Releases and resets automatically
- Overall Length: 5-5/8" (142.9mm)

SSDE1

DOUBLE END SCREW STARTER

- Shock-resistant white nylon handle
- Overall Length: 9" (228.6mm)

GENE	307SX	GEN807X

PRODUCT #	DESCRIPTION	BLADE WIDTH 1	BLADE WIDTH 1 [MM]	BLADE WIDTH 2	BLADE WIDTH 2 [MM]	OVERALL Length	OVERALL Length (MM)	POINT Size 1	POINT SIZE 2	TIP TYPE 1	TIP TYPE 2
GEN807SX	Combination Ratchetig Screwdriver	1/4"	6.4	-	-	4"	101.6	-	-	Slotted	Phillips®
GEN807X	Ratcheting Offset Screwdriver	-	-	-	-	4"	101.6	#1	#2	Phillips®	Phillips®
P120A	1-2 Phillips® Offset Screwdriver	-	-	-	-	4-5/6"	117.5	#1	#2	Phillips®	Phillips®



RBRT™ KEYS **FEATURES:**

- Rounded Bolt Removal Technology (RBRT™) designed to prevent the rounding of star fasteners
- · Anti-slip dual-directional star driver is effective at removing compromised star fasteners
- S2 tool steel bars are precision machined for use on standard or compromised star fasteners
- · Bi-directional: works for both loosening and tightening star fasteners
- · Meets or exceeds ANSI specifications
- Single piece bar (through the T-Handle) for superior strength
- · Ergonomic bi-material handle for better comfort and grip
- Hang hole for better storage
- Short end driver for high-torque applications, and long end for easy access in tight areas
- Zinc-oxide coating for superior rust resistance
- · Large size markings for easy identification



SHKT9RBRT

9-PC. RBRT™ SAE **HEX T-HANDLE SET**

PRODUCT #	SIZE	SET
SHKT9RBRT	9-PC. RBRT™ SAE T-Handle Hex Set	
HKT2.5RBRT	5/64"	•
HKT3RBRT	3/32"	•
HKT4RBRT	1/8"	•
HKT5RBRT	5/32"	•
HKTGRBRT	3/16"	•
HKT7RBRT	7/32"	•
HKT8RBRT	1/4"	•
HKT10RBRT	5/16"	•
HKT12RBRT	3/8"	•



7-PC. RBRT™ TORX®

T-HANDLE SET

PRUDUCI #	217.0	SEI
SHKTT7RBRT	7-PC. RBRT™ Torx® T-Handle Set	
HKTT10RBRT	T10	•
HKTT15RBRT	T15	•
HKTT20RBRT	T20	•
HKTT25RBRT	T25	•
HKTT27RBRT	T27	•
HKTT30RBRT	T30	•
HKTT40RBRT	T40	•

SHKTM8RBRT

8-PC. RBRT™ METRIC **HEX T-HANDLE SET**

SIZE	SET
8-PC. RBRT™ Metric Hex T-Handle Set	
2mm	•
2.5mm	•
3mm	•
4mm	•
5mm	•
6mm	•
8mm	•
10mm	•
	8-PC. RBRT™ Metric Hex T-Handle Set 2mm 2.5mm 3mm 4mm 5mm 6mm 8mm

RBRT WRENCHES AND SETS



SHKTB9RBRT

9-PC. RBRT™ SAE BALL **HEX T-HANDLE SET**

PRODUCT #	SIZE	SET
SHKTB9RBRT	9-PC. RBRT™ SAE Ball Hex T-Handle Set	
HKTB2.5RBRT	5/64"	•
HKTB3RBRT	3/32"	•
HKTB4RBRT	1/8"	•
HKTB5RBRT	5/32"	•
HKTB6RBRT	3/16"	•
HKTB7RBRT	7/32"	•
HKTB8RBRT	1/4"	•
HKTB10RBRT	5/16"	•
HKTB12RBRT	3/8"	•

SHKTBM8RBRT

8-PC. RBRT™ METRIC **HEX T-HANDLE SET**

PRODUCT #	SIZE	SET
SHKTBM8RBRT	8-PC. RBRT™ Metric Hex T-Handle Set	
HKTB2MMRBRT	2mm	•
HKTB2.5MMRBRT	2.5mm	•
HKTB3MMRBRT	3mm	•
HKTB4MMRBRT	4mm	•
HKTB5MMRBRT	5mm	•
HKTB6MMRBRT	6mm	•
HKTB8MMRBRT	8mm	•
HKTB10MMRBRT	10mm	•



SAE HEX L-KEY SET

PRODUCT #	SIZE	SET
SHKL13RBRT	13-PC. RBRT™ SAE Hex L-Key Set	
HKL3RBRT	.05"	•
HKL4RBRT	1/16"	•
HKL5RBRT	5/64"	•
HKL6RBRT	3/32"	•
HKL7RBRT	7/64"	•
HKL8RBRT	1/8"	•
HKL9RBRT	9/64"	•
HKL10RBRT	5/32"	•
HKL11RBRT	3/16"	•
HKL12RBRT	7/32"	•
HKL13RBRT	1/4"	•
HKL14RBRT	5/16"	•
HKL15RBRT	3/8"	•



METRIC HEX L-KEY SET

PRODUCT #	SIZE	SET
SHKML9RBRT	9-PC. RBRT™ Metric Hex L-Key Set	
HKLM1.5RBRT	1.5mm	•
HKLM2RBRT	2mm	•
HKLM2.5RBRT	2.5mm	•
HKLM3RBRT	3mm	•
HKLM4RBRT	4mm	•
HKLM5RBRT	5mm	•
HKLMGRBRT	6mm	•
HKLM8RBRT	8mm	•
HKLM10RBRT	10mm	•



13-PC. SAE LONG ARM **HEX KEY WRENCH SETS** SHKML9APA

SIZE

PRODUCT #

9-PC. METRIC LONG ARM **HEX KEY WRENCH SETS**

OVERALL LENGTH

SHKL13APA	13-PC. SAE	Long Arm Hex Key Set with (Case
HKL3B	3/64"	2-13/16" / 72	•
HKL4B	1/16"	3-1/16" / 77.8	•
HKL5B	5/64"	3-3/16" / 81	•
HKL6B	3/32"	3-3/8" / 85.7	•
HKL7B	7/64"	3-1/2" / 88.9	•
HKL8B	1/8"	3-3/4" / 95.3	•
HKL9B	9/64"	3-7/8" / 98.4	•
HKL10B	5/32"	4-1/8" / 104.8	•
HKL11B	3/16"	4-1/2" / 114.3	•
HKL12B	7/32"	4-7/8" / 123.8	•
HKL13B	1/4"	5-1/4" / 133.4	•
HKL14B	5/16"	6" / 152.4	•
HKL15B	3/8"	6-3/4" / 171.5	•
HKL16B	7/16"	7-1/2" / 190.5	
HKL17B	1/2"	8-1/4" / 209.6	
SHKML9APA	9-PC. Metr	ic Long Arm Hex Key Set witl	1 Case
HKLM1.5B	1.5mm	3" / 76.2	•
HKLM2B	2mm	3-1/8" / 79.4	•
HKLM2.5B	2.5mm	3-1/2 / 88.9	•
HKLM3B	3mm	4" / 101.6	•
HKLM4B	4mm	4-1/8" / 104.8	•
HKLM5B	5mm	4-1/2" / 114.3	•
HKLM6B	6mm	5-1/2" / 139.7	•
HKLM8B	8mm	6-1/4" / 158.8	•
HKLM10B	10mm	6-3/4" / 171.5	•

HEX KEY WRENCH **FEATURES:**

- Chamfered tips for faster insertion and full tool engagement in the screw head
- Made with Protanium® steel which is heat-treated for up to 20% more strength and twice the durability over standard grades of steel



SHK18ABA **SAE SHORT ARM HEX KEY WRENCH SETS**

PRODUCT #	SIZE	OVERALL LENGTH In. / MM		SET	
SHK18ABA		Short Arm Hex Key t in Metal Box			
SHK15ABA		Short Arm Hex Key t in Metal Box			
SHK15APA	15-PC. SAE Wrench Se	Short Arm Hex Key It in Pouch			
НК1В	0.028"	1-1/4" / 31.8	•	•	•
НК2В	0.035"	1-3/8" / 34.9	•	•	•
нкзв	0.050"	1-3/4" / 44.5	•	•	•
нк4в	1/16"	1-3/4" / 44.5	•	•	•
НК5В	5/64"	1-7/8" / 47.6	•	•	•
нк6в	3/32"	2" / 50.8	•	•	•
НК7В	7/64"	2-1/8" / 54	•	•	•
НК8В	1/8"	2-1/4" / 57.2	•	•	•
нк9в	9/64"	2-3/8" / 60.3	•	•	•
HK10B	5/32"	2-1/2" / 63.5	•	•	•
HK11B	3/16"	2-3/4" / 69.9	•	•	•
HK12B	7/32"	3" / 76.2	•	•	•
НК13В	1/4"	3-1/4" / 82.6	•	•	•
НК14В	5/16"	3-3/4" / 95.3	•	•	•
HK15B	3/8"	4-1/4" / 108	•	•	•
HK16B	7/16"	4-3/4" / 120.7			
HK17B	1/2"	5-1/4" / 133.4			•
HK18B	9/16"	5-3/4" / 146.1			•
HK19B	5/8"	6-1/4" / 158.8			•



SHKM15ABA 15-PC. METRIC SHORT ARM **HEX KEY WRENCH SET**

		OUTDALL LEWOTH		
PRODUCT #	SIZE	OVERALL LENGTH In. / MM	SI	ĒΤ
SHKM15ABA		Metric Short Arm Hex Key h Set in Metal Box		
SHKM9APA		Netric Short Arm Hex Key h Set in Pouch		
HKM.7B	0.7	1-1/4" / 31.8		•
HKM.9B	0.9	1-3/8" / 34.9		•
HKM1.3B	1.3	1-3/4" / 44.5		•
HKM1.5B	1.5	1-3/4" / 44.5	•	•
HKM2B	2	2" / 50.8	•	•
HKM2.5B	2.5	2-1/4" / 57.15	•	•
НКМЗВ	3	2-1/2" / 63.5	•	•
HKM4B	4	2-3/4" / 69.85	•	•
HKM5B	5	3-1/8" / 79.38	•	•
HKM6B	6	3-1/2" / 88.9	•	•
HKM8B	8	4" / 101.6	•	•
HKM10B	10	4-3/8" / 111.13	•	•
HKM12B	12	4-7/8" / 123.83		•
HKM14B	14	5-1/2" / 139.7		•
HKM17B	17	6-1/4" / 158.75		•
HKM19B	19	7" / 177.8		

HKLM12B

12mm

8-3/8" / 212.7





8-PC. LONG ARM TORX® **KEY SET WITH CASE**

- Size stamped on each part
- · Two working ends with short and long shank for versatility

PRODUCT #	SIZE	OVERALL LENGTH IN. / MM	SET
STKL6PA	8-PC. Long A	rm Torx® Key Set with Case	
TKLT9	Т9	3" / 76.2	•
TKLT10	T10	3-1/4" / 82.6	•
TKLT15	T15	3-1/2" / 88.9	•
TKLT20	T20	3-3/4" / 95.3	•
TKLT25	T25	4" / 101.6	•
TKLT27	T27	4-3/8" / 111.1	•
TKLT30	T30	4-3/4" / 120.7	•
TKLT40	T40	5-1/8" / 130.2	•



10-PC. SHORT ARM **TORX® KEY SET**

- Size stamped on each part
- Two working ends with short and long shank for versatility

PRODUCT#	SIZE	OVERALL LENGTH In. / MM	SET
STK10PA	10-PC. Short	Arm Torx® Key Set in Plastic Po	uch
TK7A	T7	1-15/16" / 49.2	
TK8A	Т8	2" / 50.8	
TK9A	Т9	2" / 50.8	
TK10A	T10	2-1/8" / 54	•
TK15A	T15	2-1/4" / 57.2	•
TK20A	T20	2-7/16" / 61.9	•
TK25A	T25	2-9/16" / 65.1	•
TK27A	T27	2-11/16" / 68.3	•
TK30A	T30	2-15/16" / 74.6	•
TK40A	T40	3-1/4" / 82.6	•
TK45A	T45	3-9/16" / 90.5	•
TK50A	T50	4-1/8" / 104.8	•
TK55A	T55	4-11/16" / 119.1	•

GREAT TO WORK WITH



CHROME HEX KEY AND TORX® KEY SETS

- Pivot-head hex and Torx® wrenches allow user to pivot around obstacles without removing tool from socket
- Heat-treated high quality industrial tool steel
- Long handles for extra reach



PRODUCT #	SIZE	OVERALL LENGTH IN. / MM	SET
SHKM5WR	5-PC Hex	Wrench Set 4-10mm	
HKM17WR	4mm	4.2 / 107	•
HKM19WR	5mm	4.8 / 121	•
HKM2.5WR	6mm	5.5 / 140	•
HKM2WR	8mm	6.4 / 162	•
HKM3WR	10mm	7.1 / 180	•
HKM2WR	8mm	6.4 / 162	•

PRODUCT #	SIZE	OVERALL LENGTH IN. / MM	SET
SHKTX7WR	7-PC Torx	[®] Wrench Set T20-T5	0
TK20WR	T-20	3.6 / 92	•
TK25WR	T-25	3.6 / 92	•
TK27WR	T-27	3.6 / 92	•
TK30WR	T-30	3.6 / 92	•
TK40WR	T-40	4.2 / 107	•
TK45WR	T-45	4.9 / 124	•
TK50WR	T-50	4.9 / 124	•

HEX AND TORX® KEYS WRENCHES AND SETS



SHKSMF34

34-PC. SAE AND METRIC HEX SET

- · Keys can be inserted in a socket screw at up to a 20° angle without binding
- Ergonomic design comfortable grip
- Composite handle

- Extra torque 8650 chrome nickel alloy steel
- Finished set to resist rust

PRODUCT #	SIZE	OVERALL LENGTH IN. / MM	SET	PRODUCT #	SIZE	OVERALL LENGTH IN. / MM	SET
SHKSMF34	34-PC. SAI	and Metric Hex Set		SHKSMF34	34-PC. SAI	and Metric Hex Set	
HKSOEA	0.05"	3-1/4" / 82.6	•	HKS14EA	5/16"	6-1/2" / 165.1	•
HKS1EA	1/16"	3-1/4" / 82.6	•	HKS15EA	3/8"	7" / 177.8	•
HKS2EA	5/64"	3-1/4" / 82.6	•	HKS1.5MMEA	1.5mm	3-1/4" / 82.6	•
HKS2.2EA	3/32"	3-1/2" / 88.9	•	HKS2MMEA	2mm	3-1/4" / 82.6	•
HKS7EA	7/64"	3-5/8" / 92.1	•	HKS2.5MMEA	2.5mm	3-1/2" / 88.9	•
HKS8EA	1/8"	3-7/8" / 98.4	•	НКЅЗММЕА	3mm	4" / 101.6	•
HKS9EA	9/64"	4" / 101.6	•	HKS4MMEA	4mm	4-1/4" / 108	•
HKS10EA	5/32"	4-1/4" / 108	•	HKS5MMEA	5mm	4-7/8" / 123.8	•
HKS11EA	3/16"	4-3/4" / 120.7	•	нкѕбммеа	6mm	5-1/2" / 139.7	•
HKS12EA	7/32"	4-7/8" / 123.8	•	HKS8MMEA	8mm	6-1/2" / 165.1	•
HKS13WA	1/4"	5" / 127	•	HKS10MMEA	10mm	7" / 177.8	•

FOLD-UP HEX AND TORX® KEY SETS

- Ergonomic design comfortable grip
- · Composite handle
- Extra torque 8650 chrome nickel alloy steel
- · Finished set to resist rust



SHK5 5-PC. FOLD UP **HEX KEY SET**

• 3/16" - 3/8"

SHK9 9-PC. FOLD UP **HEX KEY SET**

0.050" - 3/16"

SHKTX8

8-PC. FOLD UP **TORX SET**

• T9 - T40

SHKM6

6-PC. FOLD UP **HEX KEY SET**

• 3mm - 10mm

SHKM7

7-PC. FOLD UP **HEX KEY SET**

• 1.5mm - 6mm

PRO-HOLD® KEYS PRO-HOLD® HEX BITS AND SETS

- Bit fits standard six-point sockets
- · Suitable for use with impact sockets
- Chamfered tool tips eliminate burrs and help tools seat in screw head
- Sharp corners transfer more torque to the screw and reduce stripping
- · Precision machined for ease of use and superior fit



SHKPH56

6-PC. SAE PROHOLD® **HEX BIT SET - 6"**

HEX BIT SET - 2"

PRODUCT #	SIZE MM	OVERALL LENGTH IN. / MM	SI	ŧΤ
SHKMPH66	Metric Proholo	I° Hex Bit Set 6-PC. 6"		
SHKMPH92	Metric Proholo	I® Hex Bit Set 9-PC. 2"		
НКМРН46	4	6" / 152.4		•
HKMPH56	5	6" / 152.4		•
НКМРН66	6	6" / 152.4		•
НКМРН76	7	6" / 152.4		•
НКМРН86	8	6" / 152.4		•
HKMPH106	10	6" / 152.4		•
HKMPH42	4	2" / 50.8	•	
HKMPH52	5	2" / 50.8	•	
HKMPH62	6	2" / 50.8	•	
HKMPH72	7	2" / 50.8	•	
HKMPH82	8	2" / 50.8	•	
HKMPH102	10	2" / 50.8	•	
HKMPH122	12	2" / 50.8	•	
HKMPH142	14	2" / 50.8	•	
HKMPH172	17	2" / 50.8	•	

HEX BIT SET - 2"

SHKMPH66

6-PC. METRIC PROHOLD® **HEX BIT SET - 6"**

PRODUCT #	SIZE MM	OVERALL LENGTH IN. / MM	S	ΕT
SHKPH56	SAE Prohold®	Hex Bit Sets 5-PC. 6"		
SHKPH92	SAE Prohold®	Hex Bit Sets 9-PC. 2"		
HKPH206	5/16"	6" / 152.4		•
НКРН246	3/8"	6" / 152.4		•
НКРН326	1/2"	6" / 152.4		•
НКРН366	9/16"	6" / 152.4		•
НКРН406	5/8"	6" / 152.4		•
HKPH102	5/32"	2" / 50.8	•	
HKPH122	3/16"	2" / 50.8	•	
HKPH142	7/32"	2" / 50.8	•	
HKPH162	1/4"	2" / 50.8	•	
HKPH202	5/16"	2" / 50.8	•	
HKPH242	3/8"	2" / 50.8	•	
HKPH322	1/2"	2" / 50.8	•	
НКРН362	9/16"	2" / 50.8	•	
HKPH402	5/8"	2" / 50.8	•	



SPEED HEX KEY SETS

- · Lighter inside radius than standard hex keys
- This one tool works in regular as well as tight clearance applications
- Ball-end of tools work up to a 25° angle
- World's best corrosion protection -ProGuard™ Dry Surface Technology

Chamfered tool tips



PRODUCT#	SIZE	OVERALL LENGTH IN. / MM		SET	
SHKSM15C		ic Ball-end L-Wrench Set		961	
SHKS13C		Speed Hex Key Set with Case			
SHKSM9C		c Speed Hex Key Set with Case			
HKSOEA	0.050"	3-1/4" / 82.6			
HKS1EA	1/16"	3-1/4" / 82.6			
HKS2FA	5/64"	3-1/4" / 82 6			
HKS2.2EA	3/32"	3-1/2" / 88.9		•	
HKS7FA	7/64"	3-5/8" / 92 1			
HKS8EA	1/8"	3-5/8" / 98.4		•	
HKS9EA	9/64"	4" / 101.6		•	
HKS10EA	5/32"	4-1/4" / 108			
HKS11EA	3/16"	4-3/4" / 120.7			
HKS12EA	7/32"	4-7/8" / 123.8		•	
HKS13EA	1/4"	5" / 127		•	
HKS14EA	5/16"	6-1/2" / 165.1			
HKS15EA	3/8"	7" / 177.8			
HKS1.27MMEA	1 27	2.8" / 72		Ť	
HKS1.5MMEA	1.5	3" / 77			
HKS2.OMMEA	2	3.2" / 82			
HKS2.5MMEA	2.5	3.5" / 88			
HKS3MMEA	3	3.9" / 98	•		
HKS3.5MMEA	3.5	3.9 / 100			
HKS4MMEA	4	4.3" / 110			
HKS4.5MMEA	4.5	4.5 / 110			
HKS5MMEA	5	4.7" / 119			
HKS5.5MMEA	5.5	4.9" / 124			
HKS6MMEA	6	5.5" / 139			
HKS7MMEA	7	5.5" / 140			
HKS8MMEA	8	6" / 152			
HKS9MMEA	9	6.2" / 159			-
HKS10MMEA	10	6.2 / 139			•
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GREAT TO WORK WITH



SHKL13SB 13-PC. SAE SHKML9SB 9-PC. METRIC

13-PC. SAE 9-PC. METRIC

STUBBY BALL L-KEY SETS

- Lighter inside radius than standard hex keys
- This one tool works in regular as well as tight clearance applications
- Ball-end of tools work up to a 25° angle

SIZE OVERALL LENGTH

- Chamfered tool tips
- World's best corrosion protection -ProGuard® Dry Surface Technology

PROHOLD® BALL L-KEY SETS

- Prohold® screw holding technology
- Non-metallic button located on flat of tool
- Superior Ball-end strength and working angle (Ball-end tools)
- Ball-end of tools work up to a 25° angle

OVERALL LENGTH

- Chamfered tool tips
- Non-magnetic technology

PRODUCT #	MM		SET			
SHKML9SB	9-PC Metric P	9-PC Metric Prohold® Stubby Ball L-Key Set				
HKM1.5SB	1.5	3-1/32" / 77	•			
HKM2SB	2	3-7/32" / 82	•			
HKM2.5SB	2.5	3-15/32" / 88	•			
HKM3SB	3	3-27/32" / 98	•			
HKM4SB	4	4-5/16" / 110	•			
HKM5SB	5	4-11/16" / 119	•			
HKM6SB	6	5-15/32" / 139	•			
HKM8SB	8	6" / 152	•			
HKM10SB	10	6-3/4" / 171	•			

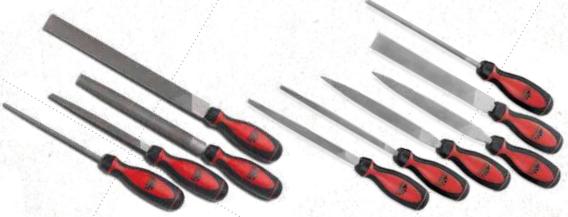
7-PC. T-HANDLE TORX® KEY SET

- Comfortable, bi-material handle provides a non-slip grip
- Each size T-handle includes Torx[®] (short shaft) and tamper-proof Torx[®] (long shaft) tips

PRODUCT #	MM		
SHKL13SB	13-PC SAE Pro	hold® Stubby Ball L-Key Set	
HK10SB	5/32"	4-7/32" / 107	•
HK12SB	3/16"	4-1/2" / 114	•
HK14SB	7/32"	4-7/8" / 124	•
HK16SB	1/4"	5-1/4" / 133	•
HK2OSB	5/16"	6" / 152	•
HK24SB	3/8"	6-3/4" / 171	•
HK3SB	0.050"	2-27/32" / 72	•
HK4SB	1/16"	3" / 76	•
HK5SB	5/64"	3-3/16" / 81	•
HK6SB	3/32"	3-3/8" / 86	•
HK8SB	1/8"	3-3/4" / 95	•
HK9SB	9/64"	3-31/32" / 101	•

PRODUCT #	SIZE	IN. / MM	SET
SHKTT7PT	7-PC. T	-Handle Torx® Key Set	
HKTT10A	T10	5-1/2" / 139.7	•
HKTT15A	T15	5-27/32" / 149.6	•
HKTT20A	T20	5-27/32" / 149.6	•
HKTT25A	T25	7-7/8" / 200	•
HKTT27A	T27	7-7/8" / 200	•
HKTT30A	T30	7-7/8" / 200	•
HKTT40A	T40	9-27/32" / 250	•

CUTTING AND SCRAPING MACSIMIZER" FILES AND SETS



MACSIMIZER™ FILE SETS

- Tri-lobal ergonomic design handle with thermal plastic elastomer over-mold to ensure firm grip
- Resistant to acid, fluids, and solvents
- Carbon tool steel with rust preventative coating

SCMF4KB

4-PC. MACSIMIZER™ **COMBINATION FILE SET**

PRODUCT #	DESCRIPTION	SET
SCMF4KB	4-PC. Macsimizer™ Combination File Set	
MHRF8	8" Half Round File, Medium Handle	•
MF2	9-1/2" Bastard File	•
MF3	■ Three Square File	•
MF4R	• 9/32" Diameter Round File	•

SMMF6

6-PC. MACSIMIZER™ **MINI COMBINATION FILE SET**

PRODUCT #	DESCRIPTION	SET
SMMF6	6-PC. Macsimizer™ Mini Combination File	Set
MMF1	- Mini Handle File	•
MMF2	Mini Warding File	•
MMF3	▲ Mini Half Round File	•
MMF4	Mini Square File	•
MMF5	Mini Round File	•
MMF6	▲ Mini Slim Taper Triangular File	•



PRODUCT #	DESCRIPTION	SET
SMF4KB	4-PC. Macsimizer™ Mill File Set	
MF6B	- 6" Mill File, Medium Handle	•
MF8B	- 8" Mill File, Medium Handle	•
MF10B	- 10" Mill File, Medium Handle	•
MF12B	- 12" Mill File, Large Handle	•

SMRF4KB

4-PC. MACSIMIZER™ **ROUND FILE SET**

PRODUCT #	DESCRIPTION	SET
SMRF4KB	4-PC. Macsimizer™ Round File Set	
SMRF6	6" Round File, Medium Handle	•
SMRF8	8" Round File, Medium Handle	•
SMRF10	• 10" Round File, Medium Handle	•
SMRF12	● 12" Round File, Large Handle	•







PRODUCT #	DESCRIPTION	FILE DIMENSIONS IN. / MM	OVERALL LENGTH IN. / MM	SET
SCF4AK	4-PC. Comfort-Grip™ Combinati	ion File Set		
HRF8A	▲ Half Round Bastard File	8" x 7/32" / 203.2 x 5.6	12-1/2" / 317.5	•
MF8A	- Mill Bastard File	8" x 9/64" / 203.2 x 3.6	12-1/2" / 317.5	•
RF8A	Round Bastard File	8" x 5/16" / 203.2 x 7.9	12-1/2" / 317.5	•
SF8A	Square Bastard File	8" x 5/16" / 203.2 x 7.9	12-1/2" / 317.5	•

SMF6A

6-PC. COMFORT-GRIP™ MINI COMBINATION FILE SET

PRODUCT #	DESCRIPTION	FILE DIMENSIONS IN. / MM	OVERALL LENGTH IN. / MM	SET
SMF6A	6-PC. Comfort-Grip™ Mini Combin	ation File Set		
MF1A	 Mini Half Round Bastard File 	4" x 1/8" / 101.6 x 3.2	6-5/8" / 168.3	•
MF2A	- Mini Mill Bastard File	4" x 3/32" / 101.6 x 2.4	6-5/8" / 168.3	•
MF3A	- Mini Flat Bastard File	4" x 3/32" / 101.6 x 2.4	6-5/8" / 168.3	•
MF4A	Mini Extra Slim Taper File	4" x 5/32" / 101.6 x 4	6-5/8" / 168.3	•
MF6A	Round Bastard File	4" x 3/16" / 101.6 x 4.8	6-5/8" / 168.3	•
MF5A	Square Bastard File	4" x 5/32" / 101.6 x 4	6-5/8" / 168.3	•





CUTTING AND SCRAPING PICKS, SCRAPERS, AND SETS





PRODUCT #	DESCRIPTION	BAR LENGTH IN. / MM	OVERALL LENGTH IN. / MM		SET	
PS4SA	4-PC. Pick Set with Co	mfort-Grip™ Handles in Pl	lastic Tray			
SS4A	4-PC. Utility Tool Set w	ith Comfort-Grip™ Handle	es .			
SS3A	3-PC. Scraper Set with	Comfort-Grip™ Handles				
SP10B	1/2" Carbon Scraper	5-9/16" / 141.3	10" / 254	•		
SP16B	Long Blade Scraper	7-1/4" / 184.2	11-3/4" / 298.4	•	•	
SP29B	Cotter Key Puller	4-7/16" / 112.7	8-1/2" / 215.9		•	
SP8BA	Short Blade Scraper	3-11/16" / 93.7	8" / 203.2	•	•	
SA3P	Scratch Awl	-	8-1/2" / 215.9			
SW70B	Pick and Hook	2-13/16" / 71.4	7" / 177.8		•	
PS21A	Straight Pick	2-13/16" / 71.4	5-7/8" / 149.2			•
PS22A	90° Pick	2-13/16" / 71.4	5-7/8" / 149.2			•
PS23A	Offset Pick	2-13/16" / 71.4	5-7/8" / 149.2			•
PS24A	Hook Pick	2-13/16" / 71.4	5-7/8" / 149.2			•



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4-PC. STRIKABLE SCRAPER SET

PRODUCT #	DESCRIPTION SET			
CSTSS4	4-PC. Strikable Scraper Set - Red			
CSTSS4G	4-PC. Strikable Scraper Set - Green			
CSTSS40	4-PC. Strikable Scraper Set - Orange			
CSTS05(G,0)	Strikable Scraper 1/2"	•	•	•
CSTS07(G,0)	Strikable Scraper 3/4"	•	٠	•
CSTS1.0(G,0)	Strikable Scraper 1" • •		•	
CSTS1.5(G,O)	Strikable Scraper 1-1/2" • •			•



PRODUCT#	DESCRIPTION	BAR LENGTH IN. / MM	OVERALL LENGTH IN. / MM	SI	ĒΤ
PSCHP6L	6-PC. Hook and Pick	Set			
PSCHP4L	4-PC. Hook and Pick	Set			
PSCHPLE	Hook Pick	6" / 152.4	9-3/4" / 247.7	•	•
PSCHPLE-R	Hook Pick	6" / 152.4	6-3/4" / 171.5		
PSCHPLF	90° Pick	6" / 152.4	9-3/4" / 247.7	•	•
PSCHPLF-R	90° Pick	6" / 152.4	6-3/4" / 171.5		
PSCHPLG	Straight Pick	6" / 152.4	9-3/4" / 247.7	•	•
PSCHPLG-R	Straight Pick	6" / 152.4	6-3/4" / 171.5		
PSCHPLH	Complex Pick	6" / 152.4	9-3/4" / 247.7	•	•
PSCHPLH-R	Complex Pick	6" / 152.4	6-3/4" / 171.5		
PSPHPLI	Combination Pick	6" / 152.4	9-3/4" / 247.7		•
PSPHPLJ	Double Angle Pick	6" / 152.4	9-3/4" / 247.7		•

SOUBLE POINTED SCRIBER

S300A-1 (NOT SHOWN)

STRAIGHT REPLACEMENT PICK

S300A-2 (NOT SHOWN)

90° REPLACEMENT PICK

- Straight and 90° angle point
- High-carbon steel replaceable points
- Sure grip with knurled handle
- Overall Length: 9" (228.6mm)

S301 POCKET SCRIBER WITH MAGNETIC PICK-UP

- · Retractable tip with magnetic end
- Locks into position with a twist-off cover
- Tungsten carbide tip leaves clear mark
- Overall Length: 5-7/16" (138.1mm)

PS4WA FOUR-WAY PICK SET IN VINYL POUCH

- Knurled aluminum sure-grip handle
- Four knurled, tempered steel picks
- Corkscrew style "O" tip for removing O-rings

PRODUCT #	DESCRIPTION	OVERALL LENGTH IN. / MM	SET
PS4WA	Four-Way Pick Set in Viny	l Pouch	
PS4WA-1	Handle	5 x 5/16" / 7.9 x 127	•
PS4WA-2	Angle Pick	3-1/2" / 88.9	
PS4WA-3	Round Pick	3-1/2" / 88.9	•
PS4WA-4	O-Ring Pick	3-1/2" / 88.9	•
PS4WA-5	Straight Pick	3-1/2" / 88.9	•

CUTTING AND SCRAPING TWEEZERS



TZ05600

7-PC. TWEEZER SET IN VINYL ZIPPERED POUCH

All stainless steel construction

PRODUCT # DESCRIPTION SET TZ05600 7-PC. Tweezer Set in Pouch 6" / 152.4 TZ05601 Self-Closing Heat-Resistant Tweezer TZ05602 Sharp Pointed Utility Tweezer 7" / 177.8 TZ05603 Weighted Solder Tweezer 6" / 152.4 6" / 152.4 T705604 Slide Locking Tweezer TZ05605 Curved Head Utility Tweezer 6-3/4" / 171.5 TZ05607 Spade Pointed Tweezer 4-1/2" / 114.3 4-3/8" / 111.1 TZ05612 Pointed Tweezer

ET8041 **6" MANTUS** TWEEZER PLIERS

- Interlocking serrated gripping tips
- · Grips wires, gaskets, tubes, tools, terminals and more

ET8100 14" MANTUS **TWEEZER PLIERS**

- Precise interlocking jaws for strong grip
- · Slim profile design for reaching tight access areas

PUTTY KNIVES AND SCRAPERS



PUTTY KNIVES

- Finest high-carbon steel, each piece individually hardened, tempered. precision-ground, and mirror-finished
- · Durable nylon handle resistant to common paint thinners
- · Large grommet hole for hanging
- One-piece blade construction

PRODUCT #	BLADE WIDTH In. / MM	OVERALL LENGTH IN. / MM
PK1A	1-1/2" / 38.1	7-1/2" / 190.5
PK2A	1-5/16" / 33.3	7-1/2" / 190.5

PKEG3PTB 3-PC. STAINLESS STEEL FLEXIBLE PUTTY KNIFE SET

- Tapered stainless steel blades
- · Heavy-duty polished blade with crisp edges
- Comfortable bi-material grips for ergonomic design and comfort

PRODUCT #	DESCRIPTION	SIZE	SET
PKEG3PTB	3-PC. Stainless Steel	Putty Knife Set	
PKEG1B	Narrow Putty Knife	1-19/64"	•
PKEG2B	Putty Knife	2"	•
PKEG3B	Wide Putty Knife	3"	•

PKES3PTB 3-PC. STRIKE-THROUGH STAINLESS STEEL SCRAPERS

- · Strike-Through capped end allows user to strike with a hammer
- · Heavy-duty polished blade with crisp edges
- Comfortable bi-material grips for ergonomic design and comfort

PRODUCT #	DESCRIPTION	SIZE	SET
PKES3PTB	3-PC. Stainless Steel Scraper Set		
PKES1B	Scraper	1-19/64"	•
PKES2B	Wide Scraper	2"	•
PKESB1B	Bent Scraper	1-19/64"	•





RAZOR BLADE SCRAPERS



NEON MINI RAZOR BLADE SCRAPER

OPTIONAL COLORS:

(Y) Yellow (G) Green (R) Red (P) Purple

MS400B

4" MINI SCRAPER

- · Accommodates standard, single-edge razor blades (steel or plastic)
- Angled head

MS600A **6" SCRAPER**

- · Quick and easy blade exchange
- Accommodates standard single edge razor blades (steel or plastic)

SS1200

11" EXTENDED **SCRAPER**

- · Comes with five stainless steel blades and a plastic blade
- Knurled, slotted thumbscrew
- Hollow handle stores all blades.



• Set of three scrapers:

- 13", 8", and 4" Five extra blades
- · Durable carrying case



11-515 100-PC. SINGLE EDGE **RAZOR BLADES**

- Single edge reinforced back
- Fits most standard knives and scrapers



100-PC. UTILITY **KNIFE BLADES**

· High visibility see-through blade dispenser allows you to see the remaining blades

CUTTING AND SCRAPING NYLON AND WIRE BRUSHES



PB1000

NYLON PARTS BRUSH FOR USE WITH MINERAL SPIRITS

- Nylon filaments designed for use with mineral spirit solvents
- Completely non-metallic, safe in the presence of electricity with a non-slip grip
- Guaranteed not to mushroom

93AP

HAND SCRATCH BRUSH WITH CURVED POLY HANDLE

HAND SCRATCH BRUSH WITH WOOD HANDLE

- For general cleaning in plating and metal finishing industries
- Stainless steel wire bristles: 1-3/8" long - 1/2" trim length
- 3 x 7 Brush rows
- Overall Length: 7-1/8"

5-PC. ELECTRIFIX BRUSH KIT

- · Five specially contoured tools for cleaning electrical connectors
- Designed to remove corrosion and oxidation
- Ring holds bullet connector cleaner, fuse holder cleaner, lamp socket grounds, inside lamp sockets and small male connectors. and general purpose cleaner



TWISTED WIRE BORE BRUSHES

- Durable, abrasive, 6-PC. bore brush set features the most common sizes for cleaning tubes, ports, bearings, and other general wire brush applications
- IPA8080: Stainless steel twisted wire gives it extra strength to increase cleaning action
- IPA8081: Brass twisted wire brushes for more delicate cleaning, avoids scratching surface to be cleaned
- Each brush is fitted with a 1/4" hex shaft for use with a standard 1/4" driver
- These brushes are meant for push and pull use
- Durable abrasive bore brushes
- · Use on ports, tubes, bearings, and other common wire brush applications

8, 10, 12, 15, 17, and 19mm





MR. BEST IN SHOW



CHIP FOOSE

LEGENDARY AUTOMOTIVE ILLUSTRATOR AND FABRICATOR

Throughout the course of Chip's career, he's been honored to receive the most prestigious awards for design and fabrication in the automotive industry. Chip continues to run Foose Design, where he designs and builds automotive masterpieces.

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- **☞** a ChipFoose
- chipfooseofficial

MAL



AM27EDCCE AM27EDCCE-G AM27EDCCE-O

2.7" EVERY DAY CARRY **COMBO EDGE KNIFE -RED, GREEN, ORANGE**

AM35EDCCE AM35EDCCE-G AM35EDCCE-O

3.5" EVERY DAY CARRY **COMBO EDGE KNIFE -RED, GREEN, ORANGE**

AM27EDCSE AM27EDCSE-G AM27EDCSE-O

2.7" EVERY DAY CARRY STRAIGHT EDGE KNIFE -**RED, GREEN, ORANGE**

AM35EDCSE AM35EDCSE-G AM35EDCSE-0

3.5" EVERY DAY CARRY STRAIGHT EDGE KNIFE -RED, GREEN, ORANGE



PRODUCT #	OVERALL LENGTH IN. / MM	BLADE LENGTH IN. / MM	WEIGHT OZ.	BLADE EDGE Type	FOLDING
AM27EDCCE	6.6" / 167.6	2.7" / 68.5	2.7	Combo	•
AM27EDCCE-G	6.6" / 167.6	2.7" / 68.5	2.7	Combo	•
AM27EDCCE-0	6.6" / 167.6	2.7" / 68.5	2.7	Combo	•
AM27EDCSE	6.6" / 167.6	2.7" / 68.5	2.7	Straight	•
AM27EDCSE-G	6.6" / 167.6	2.7" / 68.5	2.7	Straight	•
AM27EDCSE-0	6.6" / 167.6	2.7" / 68.5	2.7	Straight	•

PRODUCT #	OVERALL LENGTH IN. / MM	BLADE LENGTH IN. / MM	WEIGHT Oz.	BLADE EDGE Type	FOLDING
AM35EDCCE	8.3" / 210.8	3.5" / 88.9	4.4	Combo	•
AM35EDCCE-G	8.3" / 210.8	3.5" / 88.9	4.4	Combo	•
AM35EDCCE-0	8.3" / 210.8	3.5" / 88.9	4.4	Combo	•
AM35EDCSE	8.3" / 210.8	3.5" / 88.9	4.4	Straight	•
AM35EDCSE-G	8.3" / 210.8	3.5" / 88.9	4.4	Straight	•
AM35EDCSE-0	8.3" / 210.8	3.5" / 88.9	4.4	Straight	•





AM26CESDH AM26CESDH-G AM26CESDH-O

2.6" COMBO EDGE KNIFE **SCREWDRIVER HANDLE -**RED, GREEN, ORANGE

AM33CESDH AM33CESDH-G AM33CESDH-0

3.3" COMBO EDGE KNIFE **SCREWDRIVER HANDLE -**RED, GREEN, ORANGE

AM26SESDH AM26SESDH-G AM26SESDH-O

2.6" STRAIGHT EDGE KNIFE **SCREWDRIVER HANDLE -**RED, GREEN, ORANGE

AM33SESDH AM33SESDH-G AM33SESDH-0

3.3" STRAIGHT EDGE KNIFE **SCREWDRIVER HANDLE -RED, GREEN, ORANGE**



PRODUCT #	OVERALL LENGTH IN. / MM	BLADE LENGTH IN. / MM	WEIGHT OZ.	BLADE EDGE Type	FOLDING
AM26CESDH	6.1" / 154.9	2.6" / 66	2.5	Combo	•
AM26CESDH-G	6.1" / 154.9	2.6" / 66	2.5	Combo	•
AM26CESDH-0	6.1" / 154.9	2.6" / 66	2.5	Combo	•
AM26SESDH	6.1" / 154.9	2.6" / 66	2.5	Straight	•
AM26SESDH-G	6.1" / 154.9	2.6" / 66	2.5	Straight	•
AM26SESDH-O	6.1" / 154.9	2.6" / 66	2.5	Straight	•

PRODUCT #	OVERALL LENGTH In. / MM	BLADE LENGTH In. / MM	WEIGHT Oz.	BLADE EDGE Type	FOLDING
AM33CESDH	7.6" / 193	3.3" / 83.8	4.2	Combo	•
AM33CESDH-G	7.6" / 193	3.3" / 83.8	4.2	Combo	•
AM33CESDH-0	7.6" / 193	3.3" / 83.8	4.2	Combo	•
AM33SESDH	7.6" / 193	3.3" / 83.8	4.2	Straight	•
AM33SESDH-G	7.6" / 193	3.3" / 83.8	4.2	Straight	•
AM33SESDH-O	7.6" / 193	3.3" / 83.8	4.2	Straight	•

KINIVIĘS LOCK-BACK KNIVES













	PRODUCT #	OVERALL LENGTH IN. / MM	BLADE LENGTH In. / MM	WEIGHT OZ.	BLADE EDGE Type	FOLDING
ì	AM27JBH	5.75" / 146	2.5" / 63.5	2	Straight	•
١	AM34JBH	7.1" / 180.3	3.1" / 78.7	3	Straight	•
	AM30SERE-CE	7.0" / 177.8	3.0" / 76.2	3.1	Combo	•

PRODUCT #	OVERALL LENGTH IN. / MM	BLADE LENGTH IN. / MM	WEIGHT OZ.	BLADE EDGE Type	FOLDING
AM30SERE-SE	7.0" / 177.8	3.0" / 76.2	3.1	Straight	•
AM36SERE-CE	8.37" / 212.5	3.6" / 91.4	5.1	Combo	•
AM36SERE-SE	8.37" / 212.5	3.6" / 91.4	5.1	Straight	•

GREAT TO WORK WITH

AM36SEREGRN-CE

3.6" S.E.R.E.™ 2020™ COMBO-EDGE BLADE FOLDING KNIFE -OLIVE DRAB GREEN

AM36SEREGRN-SE

3.6" S.E.R.E.™ 2020™ STRAIGHT-EDGE BLADE FOLDING KNIFE -OLIVE DRAB GREEN

AM30PERATOR

3" S.E.R.E.™ FIXED-BLADE OPERATOR KNIFE

Includes sheath

AMSTING-RD AMSTING-GR AMSTING-OR

STING KNIFE -RED, GREEN, ORANGE

- 1.4" keychain knife and sheath for convenient carrying
- D2,58 HRCC fixed blade with bi-material grip
- Finger push-tab for secure concealment

PRODUCT #	OVERALL LENGTH In. / MM	BLADE LENGTH IN. / MM	WEIGHT OZ.	BLADE EDGE Type	FOLDING
AM36SEREGRN-CE	8.37" / 212.5	3.6" / 91.4	5.1	Combo	•
AM36SEREGRN-SE	8.37" / 212.5	3.6" / 91.4	5.1	Straight	•
AM30PERATOR	6.5" / 165.1	3.12" / 79.2	2.7	Straight	•

OVERALL LENGTH IN. / MM	BLADE LENGTH IN. / MM	WEIGHT Oz.	BLADE EDGE Type	FOLDING
3.1" / 78.7	1.3" / 33	0.7	Straight	
3.1" / 78.7	1.3" / 33	0.7	Straight	
3.1" / 78.7	1.3" / 33	0.7	Straight	
	IN. / MM 3.1" / 78.7 3.1" / 78.7	IN. / MM IN. / MM 3.1" / 78.7 1.3" / 33 3.1" / 78.7 1.3" / 33	IN. / MM IN. / MM OZ. 3.1" / 78.7 1.3" / 33 0.7 3.1" / 78.7 1.3" / 33 0.7	IN. / MM

KINIVIES UTILITY TOOLS AND KNIVES



SHARPENERS

- Replaceable carbide inserts for long-term sharpening needs
- Aluminum body for strength and light weight
- Molded TPR covers and inserts provide a better grip
- · Anodized finish for corrosion protection





• Available in red, or black



HS30-I COMPACT **HACKSAW**

- Handle is enclosed
- Quick tension lock
- Easy frame adjustability

HSB1224A-I 12' HACKSAW **BLADE**

- · Bi-metal blades
- · Fits most hacksaw frames
- 24-Tooth



UK536

QUICK-CHANGE LARGE UTILITY KNIFE

- 8-1/4" Length with a 2-1/2" handle
- This knife is ideal for cutting jobs that require a little extra leverage or length
- · 2-Ply handle and steel frame inset
- Easy self-loading replacement grip eject old blade and automatically load replacement without having to take apart the handle

INCLUDES:

UK200

FOLDING UTILITY KNIFE

- · One-hand push-button lock mechanism
- · Quick push-button blade change
- · Belt clip for convenient everyday carry
- Length: 6-1/4" open 3-7/8" closed

INCLUDES:

(10) Blades Per Package



10-779

DYNAGRIP™ RETRACTABLE UTILITY KNIFE

- Interlock® nose secures blade
- · Grip is nonslip, even with gloved hands, or on an angled surface
- · Additional comfort in extreme temperatures
- Three heavy-duty 11-921A blades in handle
- Handle Length: 5-5/8"

[6] UK536-BLD Replacement Blades

UK536M MINI UTILITY RETRACTABLE KNIFE

- Bi-material handle for comfort and grip, steel frame insert for strength and durability
- Retractable blade with disposable break off points provides continuous sharp blade
- · Compact size is ideal for confined spaces

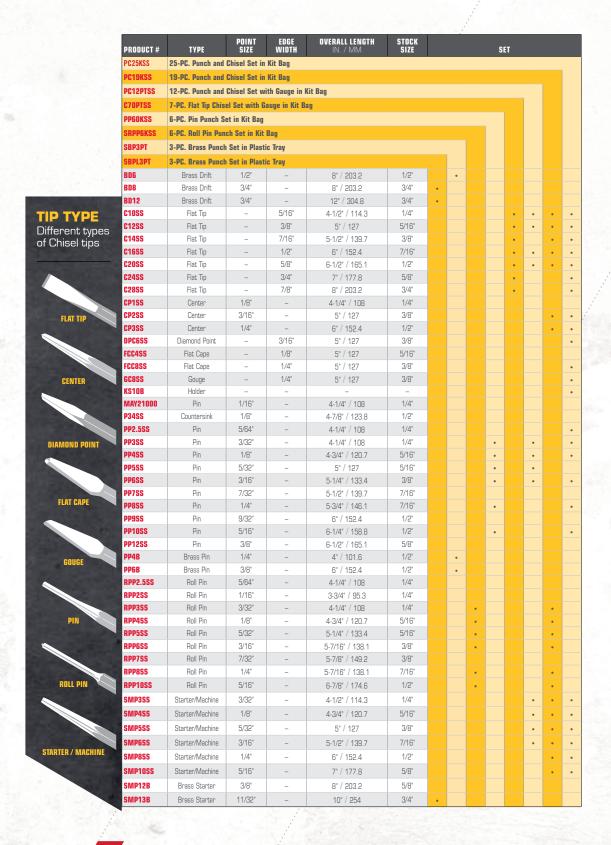
11-515 SINGLE EDGE **RAZOR BLADES**

- · Single edge reinforced back
- #9 Industrial blades
- Fits most scrapers

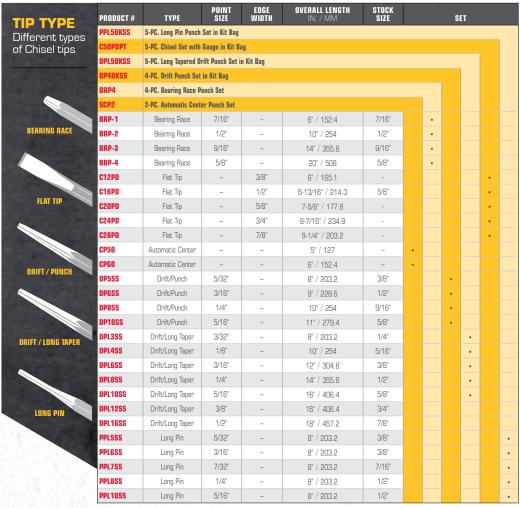
INCLUDES:

(100) Blades Per Package











PCHG10SB

10-PC. MOLDED-GRIP PUNCH AND CHISEL SET

- Ergonomic design bi-material handles give a more secure grip that protects your hand and cushions it from shock
- Special grips provide added stability which ensures a more accurate and powerful, aimed blow
- Precision machined heads hold to right dimensional tolerances
- Very precise heat-treatment with different hardnesses at various points on the tool to achieve a hard tip yet maintain ductility of the shaft
- Made from chrome vanadium steel alloy
- Internal notched design creates a mechanical lock between the handle and shank minimizing handle slippage
- Packaged in a tray for tool drawer organization

PRODUCT #	TIP TYPE	TIP DIMENSION IN.	SET
PCHG10SB	10-PC. Molded-Grip	Punch and Chisel Se	et
СРБНБВ	Center Punch	3/16"	•
PP3HGB	Pin Punch	3/32"	•
PP5HGB	Pin Punch	5/32"	•
SMP5HGB	Starter Punch	5/32"	•
SMP3HGB	Starter Punch	3/32"	•
PP6HGB	Pin Punch	3/16"	•
SMP6HGB	Starter Punch	3/16"	•
C12HGB	Chisel Flat	3/8"	•
С16НGВ	Chisel Flat	1/2"	•
C20HGB	Chisel Flat	5/8"	•

PUNCHES AND CHISELS PUNCH AND CHISEL SETS



PCS12M

12-PC. MINI CHISEL AND PUNCH SET

- · Ergonomic design safety protective handle
- Double-locking ball detent to secure interchangeable punch and chisels
- · Handle made of carbon steel for a long life
- · Molded carry case with see-through window

INCLUDES:

- (3) Flat Chisels: 3/8", 1/2", and 5/8" Wide Blades
- (3) Pin Punches: 1/8", 5/32", and 3/16"
- (3) Tapered Punches: 1/16", 1/8", and 5/32" (2) Center Punches: 0, and 1/8"
- (1) 5/32" Wide Blade Cape Chisel



12-PC. CHISEL AND **PUNCH SET**

- · Quick-change button allows quick and easy replacement of punches and chisels
- Double-locking ball detent holds the punch or chisel securely in the driver handle

INCLUDES:

- (5) Flat Tip Chisels: 1/2", 5/8", 3/4", 7/8", and 1" Wide Blades
- (2) Pin Punches: 3/16" and 1/4"
- (2) Tapered Punches: 1/8" and 1/4"
- (2) Center Punches: 1/8" and 3/16"
- [1] 1/4" Wide Blade Cape Chisel
- (1) Carrying Case



- Holds punches and chisels up to 1" in diameter
- · Nylon insert absorbs shock



NUT CRACKER

- Capacity: 5/16" (7.9mm) through 13/16" (20.6mm)
- Compound-angle design with 360° rotating cutter
- · Works in inaccessible places
- Parallel action of pusher cracks nuts with no danger of damage to bolt
- Rugged drop-forged frame



CPS996

4-PC. HAMMERLESS PUNCH SET

- · Tools are in two parts connected by a powerful spring
- Constructed from hardened steel
- Ringed ends for sure grip

PRODUCT #	DESCRIPTION	SET
CPS996 4-PC. Hammerless Punch Set		et
CC44R10-1	CC44R10-1 Cold Chisel	
CP28R45-1	Center Punch	•
CP32R00-1	Prick and Center Punch	•
CP38R04-1	Self-Centering Punch	•



HDIDS609

39-PC. INDUSTRIAL **NUMBER/LETTER** STAMP KIT

- 1/4" stamps
- Hammerless technology will not double stamp
- Includes square driver and characters: A-Z, O-9, &, for punctuation
- 5,000 Lbs. of striking force insures a full stamp image
- Blown-molded case

PRY BARS

SPB3PT

3-PC. LINE-UP PRY BAR SET IN PLASTIC TRAY

PRODUCT #	OVERALL LENGTH IN. / MM	STOCK SIZE	STYLE	SET
SPB3PT	3-PC. Line-Up Pry Bar	Set in Plastic Tr	ay	
LF6	7" / 177.8	5/16"	80° Bent	
PB15	14" / 355.6	1/2"	Straight	•
PB15A	15" / 381	1/2"	90° Bent	•
PB22	22" / 558.8	5/8"	Straight	•
PB30	30" / 762	7/8"	Straight	
PB38	38" / 965.2	7/8"	Straight	

SLF3 3-PC. LADY FOOT LINE-UP BAR SET IN PLASTIC TRAY

PRODUCT #	OVERALL LENGTH IN. / MM	STOCK SIZE	SET
SLF3	3-PC. Lady Foot Line-Up Bar Set in Plas	tic Tray	
LF12	12" / 304.8	1/2"	•
LF16	16" / 406.4	5/8"	•
LF21	21" / 533.4	3/4"	•

PBH2B

BLACK PRY BAR METAL STORAGE HANGER



PB17

17" MODIFIED ROLLING HEAD PRY BAR

- Pry and aligning bar with a pointed taper and 90° rolling head for leverage
- High alloy steel is Heat-treated the entire length and black oxide treated for added strength and durability



DB18

18" DIE SETTING BAR

- Designed for separating, scraping or pryingPointed end used to separate and curved
- end to help remove die blocks and plates

DB30

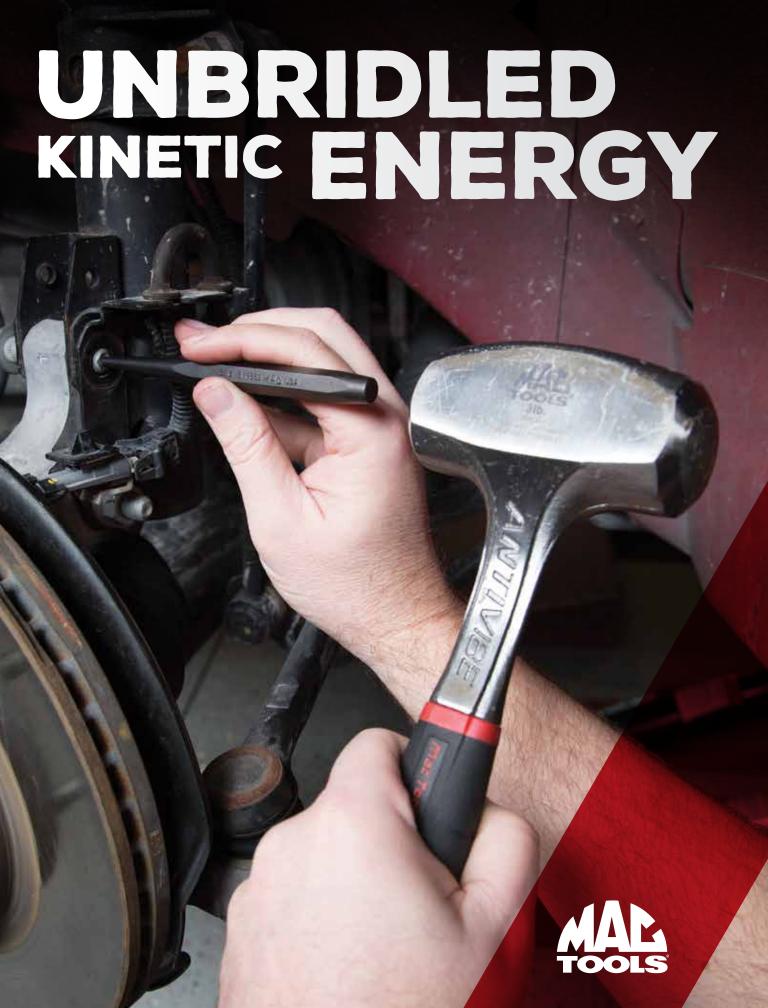
30" DIE SETTING BAR

- Designed for separating, scraping or prying
- Pointed end used to separate and curved end to help remove die blocks and plates











HAMMERS ANTIVIBE® HAMMERS AND SETS





	PRODUCT #	HEAD WEIGHT Oz.	OVERALL WEIGHT LBS.	HEAD DIAMETER	HEAD LENGTH	OVERALL Length	S	ET
	BH4AVS	4-PC. AntiVibe® Ba	II Peen Hammer Set					
	BH3AVS	3-PC. AntiVibe® Ba	II Peen Hammer Set					
ÿ.	BH04AV	4	0.9	17/21"	2-8/17"	10"		
	BH08AV	8	1.2	32/33"	3-3/25"	11"		•
	BH12AV	12	1.5	1-4/25"	3-12/25"	12-3/25"		•
	BH16AV	16	1.9	1-9/29"	3-23/25"	12-20/23"		•
j	BH24AV	24	2.5	1-11/25"	4-1/3"	13-3/4"		•
ì	BH32AV	32	3.25	1-25/41"	4-21/25"	14-3/4"	•	
	BH40AV	40	4.3	1-18/25"	5-16/41"	15-1/4"	•	

ANTIVIBE® HAMMERS

5.1

BH4AVS

BH48AV

PRODUCT #	HEAD TYPE	HEAD WEIGHT OZ.	OVERALL WEIGHT LBS.	HEAD DIAMETER	HEAD Length	OVERALL Length
SH2AV	Blacksmith	2	3.5	1-16/41"	5"	14"
DH192AV	Drilling	2	2.7	1-11/29"	3-10/27"	10-1/2"
DH193AV	Drilling	3	3.7	1-20/37"	4"	11"
SH3AV	Sledge	3	4.2	1-20/37"	5"	14-20/23"
SH4AV	Sledge	4	5.2	1-7/10"	5-10/27"	15-10/27"

1-40/43"

5-20/27'

15-3/4"

CH3AVS

3-PC. COMBINATION HAMMER SET

- Patented forged one-piece steel construction with Anti-Vibe® technology delivers greater vibration dampening effect than traditional one-piece steel hammer forgings while providing greater strength and durability
- Top of head machined to allow hammer to stand upright

	PRODUCT #	HEAD TYPE	HEAD WEIGHT Oz.	HEAD Diameter	HEAD LENGTH	OVERALL Length	SET
	CH3AVS	3-PC. Combination Hammer	Set				
	BH16AV	Ball Peen	16	1-9/29"	3-23/25"	12-20/23"	•
	SH4AV	Sledge	4	1-7/10"	5-10/27"	15-10/27"	•
ĺ	CH54DS	Compo-Cast Dead-Blow	48	1-7/10" - 2-1/10"	5-4/5"	14-1/4"	•
L							



COMPO-CAST® HAMMERS AND SETS

Hot urethane Uni-Cast construction outlasts all other soft face striking tools and provides shape-retaining faces even after repeated striking on hard surfaces and sharp edges

COMPO-CAST® DEAD-BLOW HAMMER SETS

- · One-piece uni-cast construction
- No exposed metal on handles or heads
- · Dead-blow striking action



PRODUCT #	HEAD Weight Oz.	HEAD DIAMETER	HEAD LENGTH	OVERALL LENGTH	SI	ΕT				
CH3DSS	3-PC. Compo-C	3-PC. Compo-Cast® Dead-Blow Hammer Set								
CH2DSS	2-PC. Compo-C	ast [®] Dead-Blow Hamme	r Set							
CH15DS	15	1" - 1-1/2"	3-20/27"	10-2/5"		•				
CH21DS	21	1-1/4" - 1-11/20"	4-9/17"	11-13/20"		•				
CH50DS	28	1-7/20" - 1-7/10"	5-7/50"	13-1/4"		•				
CH54DS	48	1-7/10" - 2-1/10"	5-4/5"	14-1/4"	•					
CH58DS	56	1-19/20" - 2-4/10"	6-2/10"	15-19/20"	•					





COMPO-CAST® BALL PEEN HAMMERS

- One-piece throat and handle
- Safety grip and flanged butt
- · Tempered steel faces with beveled crown
- Dead-blow action

CH23

COMPO-CAST® PISTON DEAD-BLOW HAMMER

- One-piece uni-cast construction
- No exposed metal on handles or heads
- Deep-throated with shot-filled head
- · Specifically for knocking pistons out

CH24DFB

COMPO-CAST® SOFT FACE/BRASS HEAD HAMMER

• 24 oz. Compo-Cast® hammer available in brass with opposing soft face





 24 oz. Compo-Cast® hammer available in steel with opposing soft face

COMPO-CAST® SLEDGE HAMMERS

- · One-piece uni-cast construction
- Wide span of maximum hand tool tasks
- · Dead-blow self-standing heads

PRODUCT #	HEAD TYPE	HEAD WEIGHT OZ.	HEAD DIAMETER	HEAD Length	OVERALL LENGTH
СВН16	Ball Peen	16	1-1/4"	4-3/25"	12-3/4"
CBH24	Ball Peen	24	1-1/2"	4-1/2"	13-1/4"
CBH32	Ball Peen	32	1-17/25"	4-3/4"	14"
CBH40L	Ball Peen	40	1-17/25"	4-13/21"	16-1/4"
CH23	Piston Dead-Blow	2.5	1-3/4"	8-1/2"	13"

PRODUCT#	HEAD TYPE	HEAD WEIGHT OZ.	HEAD DIAMETER	HEAD LENGTH	OVERALL Length
CH24DFB	Soft Face Brass	24	1-1/2"	4-1/4"	13-1/4"
CH24DFS	Soft Face Steel	24	1-1/2"	4-1/4"	13-1/4"
CH60	Sledge	88	2-3/4"	7"	20"
CH90	Sledge	184	3-1/2"	8"	36"



HAMMERS SOFT FACE HAMMERS

BRH10 1 LB. BRASS HAMMER - 12" • Ergonomic design for comfort,

safety, and less fatigue

RUBBER MALLETS

- · High-quality rubber heads provide non-marring hammer action
- · Sturdy wood handles.

PRODUCT #	HANDLE LENGTH IN. / MM	WEIGHT LBS.
RM16A	12" / 304.8	1
RM32A	15" / 381	2

IMPACT DRIVERS



SID13BA

13-PC. IMPACT DRIVER SET

• Rugged driver includes 1/4" and 5/16" hex bit holders

INCLUDES:

- [1] ID67MA Impact Driver
- [1] XID106 5/16 Impact Driver Socket
- [1] XID86 1/4 Impact Driver Socket
- [1] ID10BIT-P1 #1 Phillips, 5/16" Hex
- [1] **ID10BIT-P2** #2 Phillips, 5/16" Hex
- (1) ID10BIT-P3 #3 Phillips, 5/16" Hex
- [1] **ID10BIT-10** 5/16 Slotted, 5/16" Hex
- (1) ID10BIT-9 9/32 Slotted 5/16" Hex
- (1) ID8BIT-P1 #1 Phillips, 1/4" Hex
- (1) ID8BIT-P2 1/4DR #2 Phillips Hex
- (1) 1D8BIT-P3 #3 Phillips, 1/4" Hex (1) ID8BIT-6 3/16 Slotted, 1/4" Hex
- (1) ID8BIT-9 9/32 Slotted, 1/4" Hex

SXID9K 1/2" HEAVY-DUTY IMPACT DRIVER

- · Loosens hard-to-turn screws, bolts, and nuts
- · Handle design prevents possibility of hitting hand with hammer when striking impact driver

INCLUDES:

- (1) **SXID9K-4L** 80mm (L)Phillips #2,#3 - Slotted #8, #10
- (1) **SXID9K-4S** 36mm

(L)Phillips #2,#3 - Slotted #8, #10

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EXTRACTORS TWIST SOCKETS AND SETS





- Sockets can be used to remove rounded or damaged fasteners with any head configuration
- · Quickly and easily remove damaged or rounded nuts and bolts
- Simply place socket on fastener and turn with impact gun
- Grip-on fastener tightens as more torque is applied
- No hammering required to install socket over fastener

APPLICATIONS:

- Oil Pan Drain Plugs
- Exhaust Manifold Nuts
- Studs

- Pipe Nipples
- Corroded Marine Fasteners

PRODUCT #	DRIVE SIZE	OPENING SIZE	OVERALL LENGTH In. / MM	SET	
SMT16LRA	16-PC. 1/4" Drive	Twist Socket Set			
SXT10LRA	10-PC. 3/8" Drive	Twist Socket Set			
M825TA	1/4"	8.25mm	1" / 25.4		•
M85TA	1/4"	8.5mm	1" / 25.4		•
M875TA	1/4"	8.75mm	1" / 25.4		•
M9TA	1/4"	9mm	1" / 25.4		•
M925TA	1/4"	9.25mm	1" / 25.4		•
M95TA	1/4"	9.5mm	1" / 25.4		•
M975TA	1/4"	9.75mm	1" / 25.4		•
M10TA	1/4"	10mm	1" / 25.4		•
M1025TA	1/4"	10.25mm	1" / 25.4		•
M105TA	1/4"	10.5mm	1" / 25.4		•
M1075TA	1/4"	10.75mm	1" / 25.4		•
M11TA	1/4"	11mm	1" / 25.4		•
M1125TA	1/4"	11.25mm	1" / 25.4		•
M115TA	1/4"	11.5mm	1" / 25.4		•
M1175TA	1/4"	11.75mm	1" / 25.4		•
M12TA	1/4"	12mm	1" / 25.4		•
X10TA	3/8"	10mm	1-1/4" / 31.7	•	
X11TA	3/8"	11mm	1-1/4" / 31.7	•	
X12TA	3/8"	12mm	1-1/4" / 31.7	•	
X13TA	3/8"	13mm	1-1/4" / 31.7	•	
X14TA	3/8"	14mm	1-1/4" / 31.7	•	
X15TA	3/8"	15mm	1-3/8" / 34.9	•	
X16TA	3/8"	16mm	1-3/8" / 34.9	•	
X17TA	3/8"	17mm	1-3/8" / 34.9	•	
X18TA	3/8"	18mm	1-3/8" / 34.9	•	
X19TA	3/8"	19mm	1-3/8" / 34.9	•	

SXT10LBA	SVT5LRA

SMT16LRA

PRODUCT #	DRIVE SIZE	OPENING SIZE	OVERALL LENGTH In. / MM	SET
SMT17LRA	17-PC. 1/4" Drive	Twist Socket Set		
SVT5LRA	5-PC. 1/2" Drive	Twist Socket Fastener Remo	val Kit	
M4TA	1/4"	4mm	1" / 25.4	•
M425TA	1/4"	4.25mm	1" / 25.4	•
M45TA	1/4"	4.5mm	1" / 25.4	•
M475TA	1/4"	4.75mm	1" / 25.4	•
M5TA	1/4"	5mm	1" / 25.4	•
M525TA	1/4"	5.25mm	1" / 25.4	•
M55TA	1/4"	5.5mm	1" / 25.4	•
M575TA	1/4"	5.75mm	1" / 25.4	•
MGOTA	1/4"	6.0mm	1" / 25.4	•
M625TA	1/4"	6.25mm	1" / 25.4	•
M65TA	1/4"	6.5mm	1" / 25.4	•
M675TA	1/4"	6.75mm	1" / 25.4	•
M7TA	1/4"	7.0mm	1" / 25.4	•
M725TA	1/4"	7.25mm	1" / 25.4	•
M75TA	1/4"	7.5mm	1" / 25.4	•
M775TAA	1/4"	7.75mm	1" / 25.4	•
M8TA	1/4"	8.0mm	1" / 25.4	•
V24TA	1/2"	3/4" in. / 19mm	1-5/8" / 41.3	•
V26TA	1/2"	13/16" in.	1-5/8" / 41.3	•
V28TA	1/2"	7/8" in.	1-5/8" / 41.3	•
V30TA	1/2"	15/16" in.	1-5/8" / 41.3	•
V32TA	1/2"	1" in.	1-5/8" / 41.3	•

EXTRACTORS AND SETS

SCEX20S

20-PC. SCREW EXTRACTOR SET

- Precision tools for screws of 1/4" to 1/2"; maximum 1" depth extraction
- · Contains ten matching drill guides
- Blow-molded case



PRODUCT#	DESCRIPTION	EXTRACTOR SIZE	DRILL BIT SIZE	USE DRILL	SCREW DIAMETER In. / MM	FLUTE DIAMETER In. / MM	MAXIMUM DEPTH IN. / MM	OVERALL LENGTH IN. / MM	SET
SCEXTU1	Screw Extractor with Turnuts	1	-	1/8"	1/4" / 6.35	9/64" / 3.5	1" / 25.4	2-3/8" / 60.78	•
SCEXTU2	Screw Extractor with Turnuts	2	-	3/16"	5/16" / 7.94	13/64" / 5.2	1" / 25.4	2-13/16" / 71.86	•
SCEXTU3	Screw Extractor with Turnuts	3	-	1/4"	3/8" / 9.53	9/32" / 6.9	1" / 25.4	3-3/16" / 81.15	•
SCEXTU4	Screw Extractor with Turnuts	4	-	5/16"	7/16" / 11.11	21/64" / 8.6	1" / 25.4	3-3/8" / 86.20	•
SCEXTU5	Screw Extractor with Turnuts	5	-	11/32"	1/2" / 12.7	3/8" / 9.5	1" / 25.4	3-3/4" / 94.45	•
DRB1	Drill Bit	-	1/8"	-	-	-	-	2-9/16" / 65.73	•
DRB2	Drill Bit	-	3/16"	-	-	-	-	3-7/16" / 86.39	•
DRB3	Drill Bit	-	1/4"	-	-	-	-	4" / 101.64	•
DRB4	Drill Bit	-	5/16"	-	-	-	-	4-5/8" / 117.59	•
DRB5	Drill Bit	-	11/32"	-	-	-	-	5" / 126.21	•
DRBG1	Drill Guide	-	-	9/32"	-	-	-	1-3/16" / 30.04	•
DRBG2	Drill Guide	-	-	5/16"	-	-	-	1-3/16" / 30.04	•
DRBG3	Drill Guide	-	-	11/32"	-	-	-	1-3/16" / 30.04	•
DRBG4	Drill Guide	-	-	3/8"	-	-	-	1-3/16" / 30.04	•
DRBG5	Drill Guide	-	-	13/32"	-	-	-	1-3/16" / 30.04	•
DRBG6	Drill Guide	-	-	7/16"	-	-	-	1-3/16" / 30.04	•
DRBG7	Drill Guide	-	-	15/32"	-	-	-	1-3/16" / 30.04	•
DRBG8	Drill Guide	-	-	1/2"	-	-	-	1-3/16" / 30.04	•
DRBG9	Drill Guide	-	-	17/32"	-	-	-	1-3/16" / 30.04	•
DRBG10	Drill Guide	-	-	9/16"	-	-	-	1-3/16" / 30.04	•
SCEX2OS- CASE	Case	-	-	-	-	-	-	-	•

STEX5S

5-PC. STRAIGHT FLUTE EXTRACTOR SET

PRODUCT #	DESCRIPTION	EXTRACTOR SIZE	OVERALL LENGTH In. / MM	USE DRILL	SET
STEX5S	5-PC. Straight Flute Extracto	r Set			
STEX1	STEX1 Straight Flute Extractor		2-7/16" / 61.9	9/64"	•
STEX2	Straight Flute Extractor	#2	2-13/16" / 71.4	3/16"	•
STEX3	Straight Flute Extractor	#3	3-1/8" / 79.4	15/64"	•
STEX4	Straight Flute Extractor	#4	3-3/8" / 85.7	5/16"	•
STEX5	Straight Flute Extractor	#5	3-7/16" / 87.3	3/8"	•
STEX6	Straight Flute Extractor	#6	-	7/16"	
STEX5S- Pouch	Pouch	_	-	_	•

DBLEX5S

5-PC. DOUBLE-EDGE EXTRACTOR SET

PRODUCT #	DESCRIPTION	EXTRACTOR Size	SET
DBLEX5S	5-PC. Double-Edge Extracto	r Set	
DBLEX5-01	Double-Edge Screw	#1	•
DBLEX5-02	Double-Edge Screw	#2	•
DBLEX5-03	Double-Edge Screw	#3	•
DBLEX5-04	Double-Edge Screw	#4	•
DBLEX5-05	Double-Edge Screw	#5	•





SPEX10MDS

SPEX10LDS



- Removes bolts and screws up to 5/8"
- Packaged in an easy access metal index







LEFT HAND DRILL SETS

• Left hand screw machine-length high speed steel drills

5				
PRODUCT #	SIZE	LH/RH	SI	ĒΤ
3233LA-10	10-PC. Left Hand	Drill Set		
3233LA	5-PC. Left Hand I	Orill Set		
3208LA	1/8"	LH	•	•
3210LA	5/32"	LH		•
3212LA	3/16"	LH	•	•
3214LA	7/32"	LH		•
3216LA	1/4"	LH	•	•
3218LA	9/32"	LH		•
3220LA	5/16"	LH	•	•
3222LA	11/32"	LH	•	•
3224LA	3/8"	LH		•
3226LA	13/32"	LH		•

PRODUCT #	DESCRIPTION	EXTRACTOR SIZE	DRILL BIT Size	LH/RH	OVERALL LENGTH IN. / MM	USE DRILL		SET	
SPEX10MDS	10-PC. Combination Ext	ractor and Coba	ılt Drill Bit Set						
SPEX10LDS	10-PC. Left Hand Combi	ination Extracto	r and Cobalt Dri	II Bit Set					
SPEX5S	5-PC. Spiral Flute Scree	w Extractor Set							
SPEX1	Spiral Flute Extractor	#1		-	1-15/16" / 49.2	5/64"	•	•	
SPEX2	Spiral Flute Extractor	#2		-	2-7/16" / 61.9	7/64"	•	•	
SPEX3	Spiral Flute Extractor	#3		-	2-3/4" / 69.9	5/32"	•	•	,
SPEX4	Spiral Flute Extractor	#4		-	3" / 76.2	1/4"	•	•	,
SPEX5	Spiral Flute Extractor	#5		-	3-3/8" / 85.7	19/64"	•	•	,
SPEX6	Spiral Flute Extractor	#6		-	3-15/16" / 100	13/32"			
MLCD1	Cobalt Drill Bit	-	5/64"	RH	2" / 50.8				
MLCD2	Cobalt Drill Bit	_	7/64"	RH	2-3/16" / 55.6				
MLCD3	Cobalt Drill Bit	-	5/32"	RH	2-1/2" / 63.5				
MLCD4	Cobalt Drill Bit	-	1/4"	RH	3-5/16" / 84.1				
MLCD5	Cobalt Drill Bit	-	19/64"	RH	3-5/8" / 92.1				
LHCD1	Cobalt Drill Bit	-	5/64"	LH	-	-		•	
LHCD2	Cobalt Drill Bit	-	7/64"	LH	-	-		•	
LHCD3	Cobalt Drill Bit	-	5/32"	LH	-	-		•	
LHCD4	Cobalt Drill Bit	_	1/4"	LH	_	_		•	
LHCD5	Cobalt Drill Bit	-	19/64"	LH	-	-		•	
SPEX10MDS- CASE	Pouch	_		-	_	_			
SPEX10LDS- Case	Pouch	_		_	-	_		•	
SPEX5S- POUCH	Pouch	_		-	_	_	•		

EXTRACTORS EXTRACTOR SETS



SCEX35S



SCEX10S:



SCEX25S

PRODUCT #	DESCRIPTION	BOLT SIZE REFERENCE NO.	BOLT SIZE Reference Sae	BOLT SIZE Reference Metric	DRILL SIZE	LH/RH	EXTRACTOR SIZE	HEX SIZE		SET	
SCEX35S	35-PC. Master Extracto		SAE	METRIC	5125	LN/KN	2175	2175	_	951	
SCEX25S	25-PC. Screw Extractor										
SCEX10S	10-PG. Screw Extractor										
SCEX1	Screw Extractor	No.12	_	5mm	_	_	1/8"	1/2"		•	
SCEX2	Screw Extractor	No.12	1/4"	6mm			5/32"	1/2"	•	•	
SCEX3	Screw Extractor	110.14	5/16"	7-8mm		-	3/16"	1/2"	•	•	•
SCEX4	Screw Extractor	-	3/8"	9-10mm	-	_	7/32"	1/2"	•	•	•
SCEX5	Screw Extractor		7/16"	11mm		_	1/4"	1/2"	•	•	•
SCEX6	Screw Extractor	-	1/2"	12mm	-	_	9/32"	1/2"	•	•	
SCEX7	Screw Extractor		9/16"	14mm		-	5/16"	1/2"	•	•	
SCEX8	Screw Extractor	-	5/8"	16mm	-	-	11/32"	1/2"	•	•	
SCEX9						-		1/2"		•	
	Screw Extractor	-	11/16"	18mm			3/8"		•		•
SCEX10	Screw Extractor	-	3/4"	-	-	-	13/32"	1/2"	•	•	•
SCEX11	Screw Extractor	-	13/16"	20mm	-	-	7/16"	5/8"		•	•
SCEX12	Screw Extractor	-	7/8"	22-24mm	-	-	15/32"	5/8"		•	•
SCEX13	Screw Extractor	-	15/16"	-	-	-	1/2"	5/8"		•	•
SCEX14	Screw Extractor	-	1"	-	-	-	17/32"	3/4"		•	
SCEX15	Screw Extractor	-	1-1/16"	-	-	-	9/16"	3/4"		•	
SCEX16	Screw Extractor	-	1-1/8"	-	-	-	19/32"	3/4"		•	
SCEX17	Screw Extractor	-	1-3/16"	-	-	-	5/8"	3/4"		•	
SCEX18	Screw Extractor	-	1-1/4"	-	-	-	21/32"	7/8"		•	
SCEX19	Screw Extractor	-	1-5/16"	-	-	-	11/16"	7/8"		•	
SCEX20	Screw Extractor	-	1-3/8"	-	-	-	23/32"	7/8"		•	
SCEX21	Screw Extractor	-	1-7/16"	-	-	-	3/4"	7/8"		•	
SCEX22	Screw Extractor	-	1-1/2"	-	-	-	25/32"	1"		•	
SCEX23	Screw Extractor	-	1-9/16"	-	-	-	13/16"	1"		•	
SCEX24	Screw Extractor	-	1-5/8"	-	-	-	27/32"	1"		•	
SCEX25	Screw Extractor	-	1-11/16"	-	-	-	7/8"	1"		•	
LHCD1	Left Hand Drill Bit	No.3-No.6	3/32" - 5/32"	2.5-4mm	5/64"	LH	-	-			•
LHCD2	Left Hand Drill Bit	No.6-No.12	5/32" - 7/32"	4-6mm	7/64"	LH	-	-			•
LHCD2.5	Left Hand Drill Bit	No.12	-	5mm	1/8"	LH	-	-			•
LHCD3	Left Hand Drill Bit	No.14	7/32" - 9/32"	6-8mm	5/32"	LH	-	-			•
LHCD4	Left Hand Drill Bit	-	5/16"	7-8mm	3/16"	LH	-	-			•
LHCD5	Left Hand Drill Bit	-	3/8"	9-10mm	7/32"	LH	-	-			•
LHCD6	Left Hand Drill Bit		7/16"	11mm	1/4"	LH	-	-			
LHCD7	Left Hand Drill Bit		1/2"	12mm	9/32"	LH	-	-			
LHCD8	Left Hand Drill Bit		3/8" - 5/8"	10-16mm	19/64"	LH	-	-			
LHCD9	Left Hand Drill Bit		9/16"	14mm	5/16"	LH	-	-			
LHCD10	Left Hand Drill Bit		5/8"	16mm	11/32"	LH	_				
LHCD11	Left Hand Drill Bit		11/16"	18mm	3/8"	LH					
	Left Hand Drill Bit			-			_	-			
LHCD12		-	3/4"		13/32"	LH	-	-			٠
LHCD13	Left Hand Drill Bit	-	13/16"	20mm	7/16"	LH	-	-			9
LHCD14	Left Hand Drill Bit	-	7/8"	22-24mm	15/32"	LH	-				•
LHCD15	Left Hand Drill Bit	-	15/16"	-	1/2"	LH	- "4	-			•
SPEX1	Spiral Flute Extractor	No.3-No.6	3/32" - 5/32"	2.5-4mm	-	-	#1	-			•
SPEX2	Spiral Flute Extractor	No.6-No.12	5/32" - 7/32"	4-6mm	-	-	#2	-			-
SPEX3	Spiral Flute Extractor	No.14	7/32" - 9/32"	6-8mm	-	-	#3	-			•
SPEX4	Spiral Flute Extractor	-	9/32" - 3/8"	8-10mm	-	-	#4	-			-
SPEX5	Spiral Flute Extractor	-	3/8" - 5/8"	10-16mm	-	-	#5				•
SPEX6	Spiral Flute Extractor	-	5/8" - 7/8"	16-22mm	-	-	#6	-			•
SCEX10S-CASE	-	-	-	-	-	-	-	-	•		
SCEX25S-CASE	-	-	-	-	-	-	-	-		•	
SCEX35S-CASE	-	-	-	-	-	-	-	-			•

STUD REMOVERS AND SETS



4-PC. SAE STUD PULLER SET

PRODUCT #	DRIVE IN.	SET
SR4FA	4-PC. SAE Stud Puller Set	
SR832A	1/4"	•
SR1032A	5/16"	•
SR1232A	3/8"	•
SR1432A	7/16"	•
SR1632A	1/2"	
97.13	No. R. C. au. T.	



SR4MA 4-PC. METRIC STUD PULLER SET

PRODUCT #	DRIVE MM	SET
SR4MA	4-PC. Metric Stud Puller S	et
SR6A	6	•
SR8A	8	•
SR10A	10	•
SR12A	12	•



SR20B STUD REMOVER

- Removes studs quickly and efficiently
 Capacity: 1/4" through 3/4" [6.5 19mm]
 Eccentric roller grips stud more firmly
 Uses 1/2" square drive wrench



TAPS AND DIES TAPS, DIES, AIVD SETS



TD117COMBOS-DSB (NOT SHOWN)

41-PC. DRILL SET FROM TD117COMBOS-US

- Complete screw machine/fractional and metric threading set with spiral screw extractors and matching high speed steel drill bits
- Thirty-six HSS drill bits and five spiral screw extractors

TD41SAES-US 41-PC. SAE TAP AND HEX DIE SET

TD41METS-US (NOT SHOWN) 41-PC. METRIC TAP

AND HEX DIE SET

 Housed in self-hinged unbreakable plastic case with removable tray



- Fractional/metric combination super set
- · Dies are hex design

Super Set (TD76COMBOS-US) and wants larger thread sizes · Packaged in a blow-molded case

• Designed for the mechanic who owns the TD41SAES-US or a

TD25METS-US (NOT SHOWN)

25-PC. METRIC TAP AND HEX DIE SET

- Designed for the mechanic who owns the TD41METS-US or a Super Set (TD76COMBOS-US) and wants larger thread sizes
- · Packaged in a blow-molded case

PRODUCT #	DESCRIPTION	SIZE	DRIVE SIZE	LH/RH	OVERALL LENGTH IN. / MM			SE	T		
TD117COMBOS-US	117-PC. Tap and Die/Drill/Extracto	r Set									
TD76COMBOS-US	76-PC. Tap and Die Set										
TD41SAES-US	41-PC. SAE Tap and Hex Die Set										
TD41METS-US	41-PC. Metric Tap and Hex Die Se	t									
TD117COMBOS-DSB											
TD25SAES-US	25-PC. SAE Tap and Hex Die Set										
TD25METS-US	25-PC. Metric Tap and Hex Die Se		0./001		4.45/401/40.0		_				
1112TP	Plug Style Machine Screw Taps	4-40 NC	3/32"	-	1-15/16" / 48.9		-		•	•	·
1118TP 1124TP	Plug Style Machine Screw Taps	6-32 NC	1/8"	-	2-1/32" / 51.6 2-3/16" / 55.2				•	•	•
11241P	Plug Style Machine Screw Taps Plug Style Machine Screw Taps	8-32 NC 10-24 NC	5/32"	-	2-7/16" / 61.5				•		
1131TP	Plug Style Machine Screw Taps	10-24 NC 10-32 NF	5/32"	-	2-7/16 / 61.5				•		
1132TP	Plug Style Machine Screw Taps	12-24 NC	3/16"		2-15/32" / 62.5				•	•	
1420TP	Plug Style Fractional Taps	1/4-20 NC	3/16"		2-5/8" / 66.5				•		
1423TP	Plug Style Fractional Taps	1/4-28 NF	3/16"		2-5/8" / 66.5						
1427TP	Plug Style Fractional Taps	5/16-18 NC	1/4"		2-23/32" / 69				•		
1429TP	Plug Style Fractional Taps	5/16-24 NF	1/4"	-	2-23/32" / 69				•	•	9
1434TP	Plug Style Fractional Taps	3/8-16 NC	9/32"	-	2-15/16" / 74.5				•	•	•
1436TP	Plug Style Fractional Taps	3/8-24 NF	9/32"	-	2-15/16" / 74.5				•	•	•
1439TP	Plug Style Fractional Taps	7/16-14 NC	1/4"	-	3-5/32" / 80				•	•	
1440TP	Plug Style Fractional Taps	7/16-20 NF	1/4"	-	3-5/32" / 80				•	•	•
1444ТР	Plug Style Fractional Taps	1/2-13 NC	9/32"		3-11/32" / 85				•	•	
1445TP	Plug Style Fractional Taps	1/2-20 NF	9/32"	-	3-11/32" / 85				•	•	•
1448TP	Plug Style Fractional Taps	9/16-12 NC	5/16"	-	3-19/32" / 91		•				
1449TP	Plug Style Fractional Taps	9/16-18 NF	5/16"	-	3-19/32" / 91		•				
1452TP	Plug Style Fractional Taps	5/8-11 NC	11/32"	-	3-25/32" / 96.5		•				
1454TP	Plug Style Fractional Taps	5/8-18 NF	11/32"	-	3-25/32" / 96.5		•				
1458TP	Plug Style Fractional Taps	3/4-10 NC	7/16"	-	4-1/4" / 108		•				
1460TP	Plug Style Fractional Taps	3/4-16 NF	7/16"	-	4-1/4" / 108		•				
1461TP	Plug Style Fractional Taps	7/8-9 NC	17/32"	-	4-21/32" / 118.5		٠				L
1463TP	Plug Style Fractional Taps	7/8-14 NF	17/32"	-	4-21/32" / 118.5		•				L
1465TP	Plug Style Fractional Taps	1-8 NC	19/32"	-	5-1/8" / 130		•				
1467TP	Plug Style Fractional Taps	1-14 NS	19/32"	-	5-1/8" / 130		•				L
1712TP	Plug Style Metric Taps	3-0.50	3/32"	-	2" / 50.5		_	•		•	•
1717TP	Plug Style Metric Taps	4-0.70	1/8"	-	2-3/16" / 55		_	•		•	·
1718TP	Plug Style Metric Taps	4-0.75	1/8"	-	2-3/16" / 55		-	•		•	·
1722TP	Plug Style Metric Taps	5-0.80	1/8"	•	2-7/16" / 61.5			•		•	ľ
1723TP 1727TP	Plug Style Metric Taps Plug Style Metric Taps	5-0.90 6-1.00	5/32" 3/16"	-	2-7/16" / 61.5 2-5/8" / 66.5			•		•	
17271P 1731TP	Plug Style Metric Taps	7-1.00	7/32"	-	2-23/32" / 69.3						
1731TP 1733TP	Plug Style Metric Taps	8-1.00	1/4"		2-23/32" / 69.1						
1734TP	Plug Style Metric Taps	8-1.25	1/4"		2-23/32" / 68.9						
1736TP	Plug Style Metric Taps	9-1.00	7/32"	-	2-15/16" / 74.4			•	_	•	
1737TP	Plug Style Metric Taps	9-1.25	7/32"		2-15/16" / 74.4			•		•	
1739TP	Plug Style Metric Taps	10-1.25	7/32"	-	2-15/16" / 74.4					•	
1740TP	Plug Style Metric Taps	10-1.50	7/32"	-	2-15/16" / 74.4					•	,
1741TP	Plug Style Metric Taps	11-1.50	1/4"	-	3-5/32" / 80					•	
1742T	Plug Style Metric Taps	12-1.25	9/32"	-	3-3/8" / 86						
1743TP	Plug Style Metric Taps	12-1.50	9/32"	-	3-3/8" / 86			•		•	•
1744TP	Plug Style Metric Taps	12-1.75	9/32"		3-3/8" / 86			•		•	•
2449TP	Plug Style Metric Taps	14-1.25	5/16"	-	3-9/16" / 91.1	•					
1750TP	Plug Style Metric Taps	14-1.50	5/16"	-	3-9/16" / 91.3	•					
1752TP	Plug Style Metric Taps	14-2.00	5/16"	-	3-9/16" / 90.8	•					
1755TP	Plug Style Metric Taps	16-1.50	11/32"	-	3-13/16" / 96.8	•					
1756TP	Plug Style Metric Taps	16-2.00	11/32"	-	3-13/16" / 96.7	•					
1759TP	Plug Style Metric Taps	18-1.50	13/32"	-	4" / 102.3	•					
1761TP	Plug Style Metric Taps	18-2.50	13/32"	-	4" / 101.8	•					
1764TP	Plug Style Metric Taps	20-2.50	15/32"	-	4-15/32" / 113.7	•					
1765TP	Plug Style Metric Taps	22-1.50	17/32"	-	4-11/16" / 118.7	•					
1768TP	Plug Style Metric Taps	24-2.00	9/16"	-	4-7/8" / 124	•					
1769TP	Plug Style Metric Taps	24-3.00	9/16"	-	4-9/32" / 124.8	•					
1902TPT	Pipe Taps (NPT)	1/8-28 BSP	5/16"	-	2-1/8" / 53.7			•		•	
1902TP	Pipe Taps (NPT)	1/8-27 NPT	5/16"	-	2-1/8" / 54.3				•	•	

TAPS AND SETS

RODUCT #	DESCRIPTION	SIZE	DRIVE SIZE	LH/RH	OVERALL LENGTH IN. / MM				SET			
D117COMBOS-US	117-PC. Tap and Die/Drill/Extractor Se											
76COMBOS-US	76-PC. Tap and Die Set	-										
41SAES-US	41-PC. SAE Tap and Hex Die Set											
41METS-US	41-PC. Metric Tap and Hex Die Set											
117COMBOS-DSB	41-PC. Drill Set											
25SAES-US	25-PC. SAE Tap and Hex Die Set											
25METS-US	25-PC. Metric Tap and Hex Die Set	4.40	5.01				_					
12DIE	Machine Screw Hexagonal Dies	4-40	5/8"	-	•					•	•	
18DIE	Machine Screw Hexagonal Dies	6-32	5/8"	-	•					•	•	
24DIE	Machine Screw Hexagonal Dies	8-32	5/8"	-	-					•	•	
28DIE	Machine Screw Hexagonal Dies	10-24	5/8"	-	-					•	•	
31DIE	Machine Screw Hexagonal Dies	10-32	5/8"	-	-					•	•	
32DIE	Machine Screw Hexagonal Dies	12-24	5/8"	-	-					•	٠	
12DIE	Metric Hexagonal Dies	3-0.50	5/8"	-	-				٠		•	
17DIE	Metric Hexagonal Dies	4-0.70	5/8"	-					٠		٠	
18DIE	Metric Hexagonal Dies	4-0.75	5/8"	-	-				•		•	
22DIE	Metric Hexagonal Dies	5-0.80	5/8"	-					٠		٠	
23DIE	Metric Hexagonal Dies	5-0.90	5/8"	-							•	
27DIE	Metric Hexagonal Dies	6-1.00	5/8"	-							•	
31DIE	Metric Hexagonal Dies	7-1.00	1"	-							•	
33DIE	Metric Hexagonal Dies	8-1.00	1"									
34DIE	Metric Hexagonal Dies	8-1.25	1"	-	-							
34DIE 36DIE	-	9-1.00	1"	-	•						•	
	Metric Hexagonal Dies			-	•							
37DIE	Metric Hexagonal Dies	9-1.25	1"	-					•		•	
39DIE	Metric Hexagonal Dies	10-1.25	1"	-	•				٠		•	
40DIE	Metric Hexagonal Dies	10-1.50	1"	-	-				٠		٠	
41DIE	Metric Hexagonal Dies	11-1.50	1"	-	-				٠		•	
43DIE	Metric Hexagonal Dies	12-1.50	1"	-	-				٠		٠	
44DIE	Metric Hexagonal Dies	12-1.75	1"	-	-				٠		٠	
49DIE	Metric Hexagonal Dies	14-1.25	1-7/16"	-	-	•						
50DIE	Metric Hexagonal Dies	14-1.50	1-7/16"	-	-	•						
52DIE	Metric Hexagonal Dies	14-2.00	1-7/16"	-	-	•						
55DIE	Metric Hexagonal Dies	16-1.50	1-7/16"	-	-	•						
56DIE	Metric Hexagonal Dies	16-2.00	1-7/16"	-	-	•						
59DIE	Metric Hexagonal Dies	18-1.50	1-7/16"	-	-	•						
61DIE	Metric Hexagonal Dies	18-2.50	1-7/16"	-	-	•						
64DIE	Metric Hexagonal Dies	20-2.50	1-13/16"	-	-							
65DIE	Metric Hexagonal Dies	22-1.50	1-13/16"	-	-	•						
68DIE	Metric Hexagonal Dies	24-2.00	1-13/16"	-	-							
69DIE	Metric Hexagonal Dies	24-2.00	1-13/16"	-								
20DIE	Fractional Hexagonal Dies	1/4-20 NC	1-13/10	-								
			1"		•					•	•	
23DIE	Fractional Hexagonal Dies	1/4-28 NF		-								
27DIE	Fractional Hexagonal Dies	5/16-18 NC	1"	-	-					•	•	
29DIE	Fractional Hexagonal Dies	5/16-24 NF	1"	-	-					•	•	
34DIE	Fractional Hexagonal Dies	3/8-16 NC	1"	-	-					•	•	
36DIE	Fractional Hexagonal Dies	3/8-24 NF	1"	-	-					•	٠	
39DIE	Fractional Hexagonal Dies	7/16-14 NC	1"	-	-					•	•	
40DIE	Fractional Hexagonal Dies	7/16-20 NF	1"	-	-					•	٠	
44DIE	Fractional Hexagonal Dies	1/2-13 NC	1"	-	-					•	٠	
45DIE	Fractional Hexagonal Dies	1/2-20 NF	1"	-	-					•	٠	
48DIE	Fractional Hexagonal Dies	9/16-12 NC	1-7/16"	-	-		٠					
49DIE	Fractional Hexagonal Dies	9/16-18 NF	1-7/16"	-	-		•					
52DIE	Fractional Hexagonal Dies	5/8-11 NC	1-7/16"	-	-		٠					
54DIE	Fractional Hexagonal Dies	5/8-18 NF	1-7/16"	-	-							
58DIE	Fractional Hexagonal Dies	3/4-10 NC	1-7/16"	-	-							
SODIE	Fractional Hexagonal Dies	3/4-16 NF	1-7/16"				•					
ODIE Dadie	Fractional Hexagonal Dies	1/4-18 NPT	1-7/16"	-	-							
							_					
61DIE	Fractional Hexagonal Dies	7/8-9 NC	1-13/16"	-	-		•					
63DIE	Fractional Hexagonal Dies	7/8-14 NF	1-13/16"	-	-		٠					
65DIE	Fractional Hexagonal Dies	1-8 NC	1-13/16"	-	•		٠					
67DIE	Fractional Hexagonal Dies	1-14 NF	1-13/16"	-	-		٠					
O2HDIE	Fractional Hexagonal Dies	1/8-28 BSP	1"	-	-				٠		•	
O2DIE	Fractional Hexagonal Dies	1/8-27 NPT	1"	-	-					•	•	
DBF-564	High Speed Steel Drill Bits	5/64	5/64"	RH	2-1/32" / 51.6			•				
DBF-764	High Speed Steel Drill Bits	7/64	7/64"	RH	2-5/8" / 66.8			•				

PRODUCT #	DESCRIPTION	SIZE	DRIVE SIZE	LH/RH	OVERALL LENGTH In. / MM				SET			
D117COMBOS-US	117-PC. Tap and Die/Drill/Extractor Sc	et										
D76COMBOS-US	76-PC. Tap and Die Set											
D41SAES-US	41-PC. SAE Tap and Hex Die Set											
D41METS-US	41-PC. Metric Tap and Hex Die Set											
D117COMBOS-DSB	41-PC. Drill Set											
D25SAES-US	25-PC. SAE Tap and Hex Die Set											
D25METS-US	25-PC. Metric Tap and Hex Die Set											
BF-532	High Speed Steel Drill Bits	5/32	5/32"	RH	3-1/32" / 77.4			•				
BF-14	High Speed Steel Drill Bits	1/4	1/4"	RH	4-1/16" / 103.5			•				
BF-1964	High Speed Steel Drill Bits	19/64	19/64"	RH	4-7/16" / 112.6			•				
BF-516	High Speed Steel Drill Bits	5/16	5/16"	RH	4-17/32" / 115.1			•				
BF-2164	High Speed Steel Drill Bits	21/64	21/64"	RH	4-21/32" / 118.4			•				
BF-38	High Speed Steel Drill Bits	3/8	3/8"	RH	5-3/32" / 129.6			•				
BF-2564	High Speed Steel Drill Bits	25/64	25/64"	RH	5-3/16" / 131.6			•				
BF-1332	High Speed Steel Drill Bits	13/32	13/32"	RH	5-5/16" / 135			•				
BF-2764	High Speed Steel Drill Bits	27/64	27/64"	RH	5-15/32" / 138.8			•				
BF-2964	High Speed Steel Drill Bits	29/64	29/64"	RH	5-19/32" / 142.3			•				
BL-B	High Speed Steel Drill Bits	В	.238"	RH	4-3/32" / 103.7			•				
BL-F	High Speed Steel Drill Bits	F	.257"	RH	4-3/16" / 106.2			•				
BL-H	High Speed Steel Drill Bits	Н	.266"	RH	4-5/32" / 105.9			•				
BL-I	High Speed Steel Drill Bits	1	.272"	RH	4-7/32" / 106.7			•				
SL-J	High Speed Steel Drill Bits	J	.277"	RH	4-7/32" / 107.3			•				
3L-0	High Speed Steel Drill Bits	0	.316"	RH	4-9/16" / 115.9			•				
3L-Q	High Speed Steel Drill Bits	Q	.332"	RH	4-27/32" / 123.3			•				
SL-R	High Speed Steel Drill Bits	B	.339"	RH	4-7/8" / 124.1			•				
BL-S	High Speed Steel Drill Bits	S	.348"	RH				•				
3L-U	High Speed Steel Drill Bits	U	.368"	RH	4-31/32" / 126.0			•				
1L-Z	0 1	Z		RH	5-3/32" / 129.7							
	High Speed Steel Drill Bits		.413"		5-11/32" / 135.8			•				
IN-3	High Speed Steel Drill Bits	3	.213"	RH	3-25/32" / 96.4			•				
BN-7	High Speed Steel Drill Bits	7	.201"	RH	3-11/16" / 93.3			٠				
BN-9	High Speed Steel Drill Bits	9	.196"	RH	3-11/16" / 93.6			•				
BN-16	High Speed Steel Drill Bits	16	.177"	RH	3-11/32" / 85.3			•				
BN-19	High Speed Steel Drill Bits	19	.166"	RH	3-9/32" / 83.5			•				
BN-20	High Speed Steel Drill Bits	20	.161"	RH	3-9/32" / 83.4			•				
BN-21	High Speed Steel Drill Bits	21	.159"	RH	3-1/8" / 79.3			•				
3N-25	High Speed Steel Drill Bits	25	.149"	RH	3-9/32" / 83.3			•				
BN-29	High Speed Steel Drill Bits	29	.136"	RH	2-29/32" / 74.1			•				
3N-30	High Speed Steel Drill Bits	30	.128"	RH	2-13/16" / 71.3			•				
3N-36	High Speed Steel Drill Bits	36	.106"	RH	2-15/32" / 63			•				
3N-39	High Speed Steel Drill Bits	39	.099"	RH	2-13/32" / 60.8			•				
3N-43	High Speed Steel Drill Bits	43	.089"	RH	2-9/32" / 58			•				
PEX1	Spiral Flute Extractors	#1	3/32"	-	1-15/16" / 49.1			•				
PEX2	Spiral Flute Extractors	#2	5/32"	-	2-5/16" / 58.7			•				
PEX3	Spiral Flute Extractors	#3	3/16"	-	2-21/32" / 67.1			•				
PEX4	Spiral Flute Extractors	#4	9/32"	-	2-31/32" / 75.8			•				
PEX5	Spiral Flute Extractors	#5	11/32"	_	3-11/32" / 84.6							
116PGA	Thread Gauges	- #3	11/02		3-11/32 / 64.0 -							
201PGA	Thread Gauges	-	-	-	-						•	
157DSA	Die Stock Wrenches	5/8"	-	-	4-29/32" / 124.8				•		•	
13703A 1260SA	Die Stock Wrenches	1"	_	-	9-15/16" / 252.8				•		•	
12003A 136DSA	Die Stock Wrenches	1-7/16"	-	-	14-9/32" / 362.3							
146DSA	Die Stock Wrenches	1-13/16"	-	-								
					21-13/32" / 543.4							
1903SDA	Die Stock Wrenches	- 10 114 /4	- 0.01	-	3-7/32" / 81.7				•	•	•	
173TWA	Tap Wrenches	#0-#1/4	3/8"	-	3-9/16" / 90.3				•	•	•	
ISOTWA	Tap Wrenches	#1/4-#1/2	-	-					•	•	•	
188TWA	Tap Wrenches	#0-#1/2	-	-	2-3/8" / 60.3				•	•	•	
198TSA	Tap Wrenches	#1/4-#1	-	-	18" / 457.2	•	٠					
D117COMBOS-CAS	-	-	-	-	-							
D76COMBOS-CASE	-	-	-	-	-						•	
D41SAES-CASE	-	-	-	-	-					•		
041METS-CASE	-	-	-	-	-				٠			
D25SAES-US-CASE	-	-	-	-	-		•					

TAP ADAPTERS, WRENCHES, AND SOCKETS



2-PC. ADJUSTABLE TAP ADAPTER

- Allows you to use your 3/8" ratchet or extension to drive any square drive tool including taps, reamers, and extractors
- These two adapters accommodate taps from #0 to 1/2" using the collet tightened jaws
- Stored in a convenient PVC case

PRODUCT #	SIZE SET					
TSA100S	2-PC. Adjustable Tap Adapter					
AHN3095001A	Small	•				
AHN3095001B	Large	•				



- Maintains positive alignment for accurate threading
- Nickel-plated finish

PRODUCT #	OVERALL LENGTH	OVERALL LENGTH [MM]	SIZE
3157DSW	4-29/32"	124.6	5/8"
3126DSW	9-15/16"	252.4	1"
3136DSW	14-9/32"	362.7	1-7/16"
3146DSW	21-13/32"	543.7	1-13/16"







L70940

TAP SOCKET SETS

- Ideal for use in areas where a T-handle won't fit
- · Fits all number and fractional
- M.C.T.I. standard taps through 1/2"
- Fits 1/8 NPT taps and metric taps through 12mm

PRODUCT #	SIZE	DRIVE	S	ET
TSS70500	8-PC. Tap Socket Set			
L70940	3-PC. Tap Socket Set			
TS70520	#1	1/4"		•
TS70540	#2	1/4"		•
TS70560	#3	1/4"		•
TS70580	#4	1/4"		•
TS70600	#5	3/8"		•
TS70620	#6	3/8"		•
TS70640	#7	3/8"		•
TS70660	#8	3/8"		•
L70860	#9	1/2"	•	
L70880	#10	1/2"	•	
L70900	#11	1/2"	•	



LONG RATCHETING TAP WRENCH

- · Provide access to tight areas
- Features a sliding T-handle
- Three-position gear box for left- or right-hand threading operations

PRODUCT #	LENGTH	TAPS
AHN21210	10"	0 to 1/4"
AHN21212	12"	1/4" to 1/2"



3102TW T-HANDLE TAP WRENCH

- Sliding handle with spring tension stop
- Positive grip knurled nut with 5/8" hex nut
- Accommodates 1/4" to 1/2" taps



3150ATW

SPECIAL 2-IN-1 TAP WRENCH WITH T-HANDLE AND 3/8" SQUARE DRIVE

- 7/8" Hex-style for holding taps 1/4" to 1/2", and extra recess with small hole for holding 1/4" and 5/16" taps
- Sliding T-handle with spring tension tap
- Removable T-handle to insert ratchet
- Wrench end has 3/8" square drive



ADJUSTABLE HANDLE TAP WRENCHES

- · Quickly adjusted by turning knurled threaded handle
- · Jaws are made of hardened steel for long wear

3188ATW #0 TO 1/2" TAP *3198TPH*

1/4" TO 1" TAPS

PITCH GAUGES



3116TPG

METRIC PITCH GAUGE

- Measures metric threads
- Sixteen brass-plated leaves for "pitch" or distance between threads in millimeters

BRASS CANCER STATEMENT: Brass products may contain a chemical known to the state of California to cause cancer, birth defects, or other reproductive harm.



1201TPG

U.S. PITCH GAUGE

- Measures U.S. or sharp "V" threads
- Eighteen cadmium-plated leaves for "pitch" or number of threads per inch

RATHEADERS AND SETS



TRCOMBO-48 RETHREADING SET

- · Repairs or renews damaged threads fractional and metric
- Taps and dies are highly tempered for strength and durability; hex-shaped for use with a socket or wrench
- Color coded for quick visual identification metric is gold; national fine, black; national coarse, silver
- US thread pitch 11 to 24
- Metric thread pitch 0.75mm to 3.0mm





TR2599

TR2579A

SPINDLE NUT RETHREAD SETS

- Repairs or renews damaged threads fractional and metric
- Taps and dies are highly tempered for strength and durability; hex-shaped for use with a socket or wrench
- Color coded for quick visual identification metric is gold; national fine, black; national coarse, silver



THREAD RESTORING FILE KITS

• Sizes clearly marked: 7/16 sq. in. x 8-1/2" long See next page for specifications and set breakdowns





TR66A

TRMSET

IE PRODUCT #	TAP PRODUCT #	DESCRIPTION	SIZE	TYPE					
RCOMBO-48	48-PC. Rethreadin	g Set							
R66A	26-PC. Master Ret	hreader Tap and Die Kit							ı
R2599		ndle Nut Rethread Set							
RMSET		hreader Tap, Die, and File Set							ı
									ı
R2579A	8-PC. Spindle Reth								L
R8CD	TR8CT	Rethreading Die and Tap	1/4" x 20	National Coarse				•	L
R10CD	TR10CT	Rethreading Die and Tap	5/16" x 18	National Coarse				•	ı
R12CD	TR12CT	Rethreading Die and Tap	3/8" x 16	National Coarse				•	ı
R14CD	TR14CT	Rethreading Die and Tap	7/16" x 14	National Coarse				•	
R16CD	TR16CT	Rethreading Die and Tap	1/2" x 13	National Coarse				•	
R18CD	TR18CT	Rethreading Die and Tap	9/16" x 12	National Coarse				•	ı
R2OCD	_	Rethreading Die	5/8" x 11	National Coarse				•	
R8FD	TR8FT	Rethreading Die and Tap	1/4" x 28	National Fine				•	
R10FD	TR10FT	Rethreading Die and Tap	5/16" x 24	National Fine				•	
R12FD	TR12FT	Rethreading Die and Tap	3/8" x 24	National Fine				•	
R14FD	TR14FT	Rethreading Die and Tap	7/16" x 20	National Fine				•	
R16FD	TR16FT	Rethreading Die and Tap	1/2" x 20	National Fine				•	
R18FD	TR18FT	Rethreading Die and Tap	9/16" x 18	National Fine				•	
R2OFD	_	Rethreading Die	5/8" x 18	National Fine				•	
RM6D	TRM6T	Rethreading Die and Tap	6mm x 1mm	Metric		•			
RM8D	TRM8T	Rethreading Die and Tap	8mm x 1.25mm	Metric		•			
RM10-1D	TRM10-1T	Rethreading Die and Tap	10mm x 1mm	Metric					
RM10-25D	TRM10-25T	Rethreading Die and Tap	10mm x 1.25mm	Metric		•			
RM10D	TRM10T	Rethreading Die and Tap	10mm x 1.5mm	Metric		•			
RM11D	TRM11T	Rethreading Die and Tap	11mm x 1.5mm	Metric					
RM12-25D	TRM12-25T	Rethreading Die and Tap	12mm x 1.25mm	Metric		•			
RM12-50D	TRM12-50T	Rethreading Die and Tap	12mm x 1.5mm	Metric		•			
RM12D	TRM12T	Rethreading Die and Tap	12mm x 1.75mm	Metric		•			
RM14D	TRM14T	Rethreading Die and Tap	14mm x 1.5mm	Metric					
VG54-2671	_	Spindle	11/16" x 24	SAE			•		
NG54-2677	_	Spindle	13/16" x 20	SAE	•		•		
4-2688-0005	_	Spindle	27/32" x 20	SAE			•		
NG54-2676	_	Spindle	3/4" x 20	SAE	•		•		
4-2698-0005	_	Spindle	1" x 14	SAE			•		
4-2690-0005	_	Spindle	16mm x 1.5mm	Metric			•		
0260-542691	_	Spindle	18mm x 1.5mm	Metric			•		
4-2692-0005	_	Spindle	19mm x 1.5mm	Metric			•		
NG54-2639	_	Spindle	20mm x 1mm	Metric			•		
4-2673-0005	_	Spindle	20mm x 1.25mm	Metric	•		•		
4-2678-0005	_	Spindle	20mm x 1.5mm	Metric	•		•		
4-2674-0005	_	Spindle	22mm x 1mm	Metric	•		•		
4-2679-0005	_	Spindle	22mm x 1.5mm	Metric	•		•		
NG54-2675-0005	_	Spindle	24mm x 1.5mm	Metric	•		•		
4-2680-0005	_	Spindle	24mm x 2.0mm	Metric	•		•		
4-2681-0005	_	Spindle	25mm x 1.5mm	Metric			•		
4-2001-0003 R1	_	Thread Restoring File Kit	11, 12, 13, 14, 16, 18, 20, and 24 TPI	Files					1
nı R2	_	Thread Restoring File Kit	9, 10, 12, 16, 20, 27, 28, and 32 TPI	Files					f
RM8	_	Thread Restoring File Kit	.075, 1, 1.25, 1.5, 1.75, 2, 2.5, and 3mm	Files					H

SEXPERT

DESIGNED FOR PROS

TEXPERT®
TOOLS



SUB-CATEGORIES:

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WRENCHES

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DRIVE TOOLS

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CHROME SOCKETS

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IMPACT SOCKETS

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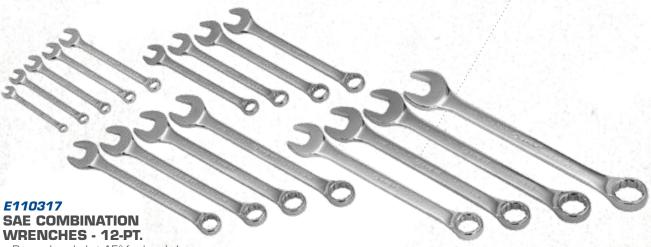
STRIKING AND STRUCK

362

MASTER SET

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COMBINATION WRENCHES



- Box end angled at 15° for hand clearance
- Forged in chrome-plated vanadium-steel

PRODUCT #	SIZE IN.	OVERALL LENGTH In.	SI	ΕT	
E110317	17-PC. SAE C	17-PC. SAE Combination Wrench Set - 1			
E110315	12-PC. SAE C	12-PC. SAE Combination Wrench Set - 12-P			
E113312	1/4"	3-15/16"	•	•	
E110211	9/32"	4-21/64"			
E113230	5/16"	4-23/32"	•	•	
E113313	11/32"	5-1/8"		•	
E113314	3/8"	5-33/64"	•	•	
E113315	7/16"	5-29/32"	•	•	
E113316	1/2"	6-11/16"	•	•	
E113317	9/16"	7-3/32"	•	•	
E113318	5/8"	7-7/8"	•	•	

PRODUCT #	SIZE IN.	OVERALL LENGTH In.	SI	ŧΤ
E110317	17-PC. SAE C	17-PC. SAE Combination Wrench Set - 12-F		
E110315	12-PC. SAE C	ombination Wrench Set - 1	2-PT.	
E113319	11/16"	8-17/64"	•	•
E113358	3/4"	9-1/16"	•	•
E113359	13/16"	9-27/32"	•	•
E113360	7/8"	10-15/64"	•	•
E113235	15/16"	11-1/32"	•	•
E113236	1"	11-39/64"		•
E113361	1-1/16"	12-13/64"		•
E113362	1-1/8"	13-25/64"		•
E113363	1-1/4"	14-11/64"		•

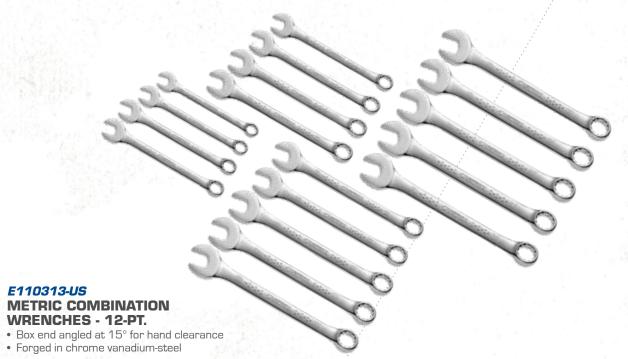
PRODUCT #	SIZE IN.	OVERALL LENGTH
E110201	1-5/16"	14-61/64"
E110202	1-3/8"	16-1/8"
E110203	1-7/16"	16-9/64"
E110204	1-1/2"	16-59/64"
E110205	1-5/8"	18-7/64"
E110214	1-11/16"	18-1/8"
E110209	1-13/16"	19-11/16"
E110208	1-3/4"	19-11/16"
E110206	1-7/8"	21-7/16"
E110215	2"	21-7/16"

METRIC LONG COMBINATION WRENCHES - 12-PT.

- Box end angled at 15° for hand clearance
- Forged in chrome vanadium-steel

PRODUCT#	SIZE MM	OVERALL LENGTH In.
E117700	19	11-1/32"
E117701	21	11-27/32"
E117702	22	12-33/64"
E117703	23	12-33/64"
E117704	24	13-5/16"
E117705	26	13-31/32"
E117706	27	14-49/64"
E117707	28	14-49/64"

SIZE MM	OVERALL LENGTH In.
29	16-19/64"
30	16-19/64"
32	17-1/8"
33	18-1/2"
34	18-1/2"
35	18-1/2"
36	20-5/64"
	30 32 33 34 35



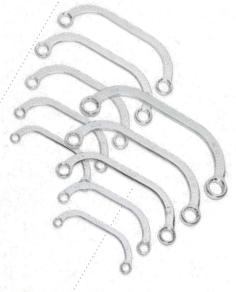
PRODUCT #	SIZE MM	OVERALL LENGTH In.	SI	ī			
E110313-US	18-PC. Metri	18-PC. Metric Combination Wrench Set - 12-PT.					
E110310-US	10-PC. Metric	Combination Wrench Set - '	12-PT.				
E113228	5	3-21/32"					
E113229	5.5	3-21/32"					
E113202	6	3-15/16"		•			
E113200	7	4-21/64"		•			
E113201	8	4-23/32"		•			
E113204	9	5-1/8"		•			
E113205	10	5-33/64"	•	•			
E113206	11	5-29/32"	•	•			
E113207	12	6-19/64"	•	•			
E113208	13	6-11/16"	•	•			
E113209	14	7-3/32"	•				

PRODUCT #	SIZE MM						
E110313-US	18-PC. Metri	18-PC. Metric Combination Wrench Set - 12-PT.					
E110310-US	10-PC. Metric	Combination Wrench Set - 1	12-PT.				
E113210	15	7-31/64"	•	•			
E113211	16	7-7/8"	•	•			
E113212	17	8-17/64"	•	•			
E113213	18	8-21/32"	•	•			
E113214	19	9-1/16"	•	•			
E113215	20	9-29/64"		•			
E113216	21	9-27/32"		•			
E113217	22	10-15/64"		•			
E113218	23	10-1/4"					
E113219	24	11-1/32"		•			

PRODUCT #	SIZE MM	OVERALL LENGTH In.
E113220	25	11-39/64"
E113221	26	11-39/64"
E113222	27	12-13/64"
E113223	28	13-25/64"
E113224	29	13-25/64"
E113225	30	13-25/64"
E113226	32	14-11/64"

E114401 5-PC. METRIC HALF-MOON WRENCH SET - 12-PT.

PRODUCT #	SIZE A MM	SIZE B MM	OVERALL LENGTH In.	SET
E114401	5-PC. Me	tric Half-N	loon Wrench Set - 12-PT.	
E114402	10	12	5-5/8"	•
E114403	11	13	6-9/16"	•
E114404	14	15	7-1/2"	•
E114405	16	18	8-5/8"	•
E114406	17	19	8-5/8"	•

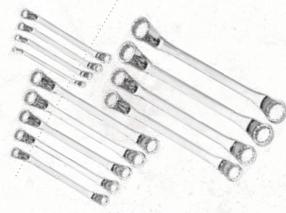


E114407 5-PC. SAE HALF-MOON WRENCH SET - 12-PT.

PRODUCT #	SIZE A In.	SIZE B In.	OVERALL LENGTH In.	SET		
E114407	5-PC. SA	5-PC. SAE Half-Moon Wrench Set - 12-PT.				
E114408	3/8"	7/16"	5-5/8"	•		
E114409	1/2"	9/16"	6-5/8"	•		
E114410	5/8"	3/4"	8-11/16"	•		
E114411	11/16"	13/16"	10-1/4"	•		
E114412	7/8"	15/16"	11-1/4"	•		

COMBINATION WRENCHES





E110601A

METRIC OFFSET COMBINATION WRENCHES - 12-PT.

- Open end angled at 15° from handle axis
- 12-PT. ring wrenches offset by 70° for better access to recessed fasteners

PRODUCT#	SIZE MM	OVERALL LENGTH In.	SET					
E110601A	20-PC. 0	20-PC. Offset Combination Wrench Set - 12-PT.						
E110602	14-PC. Of	14-PC. Offset Combination Wrench Set - 12-PT.						
E110603	6-PC. Offs	et Combination Wrench - 1	2-PT.					
E117720	6	4-15/16		•	•			
E117721	7	5-5/16		•	•			
E117722	8	5-23/32		•	•			
E117723	9	6-3/32		•	•			
E117724	10	6-1/2		•	•			
E117725	11	6-3/4		•	•			
E117726	12	7-3/32		•	•			
E117727	13	7-11/16		•	•			
E117728	14	8-1/4		•	•			
E117729	15	8-15/32		•	•			
E117730	16	9-1/16		•	•			
E117731	17	9-15/32		•	•			

PRODUCT #	SIZE MM						
E110601A	20-PC. 0	20-PC. Offset Combination Wrench Set - 12-PT.					
E110602	14-PC. Of	fset Combination Wrench	Set - 1	2-PT.			
E110603	6-PC. Offs	et Combination Wrench - 1	2-PT.				
E117732	18	10-1/32		•	•		
E117733	19	10-7/16		•	•		
E117734	21	11	•		•		
E117735	22	11-13/16	•		•		
E117736	23	12-19/32					
E117737	24	12-19/32	•		•		
E117738	26	13-23/32					
E117739	27	14-9/16	•		•		
E117740	28	14-9/16					
E117741	29	15-11/32					
E117742	30	15-11/32	•		•		
E117743	32	16-7/32	•		•		

*All sets come in a canvas pouch

E111706A METRIC OFFSET BOX-END WRENCHES - 12-PT.

- 12-PT. ring wrenches offset by 70°
- Ring profile maximizes contact surface

PRODUCT#	SIZE A MM	SIZE B MM	OVERALL Length In.	SI	ΕΤ
E111706A	13-PC. N	letric Offse	t Box-End Wrench	Set - 1	2-PT.
E111712	7-PC. Me Set - 12-		Box-End Wrench		
E113321	6	7	6-11/16"	•	•
E113322	8	9	7-11/64"	•	•
E113323	10	11	8-7/64"	•	•
E113324	12	13	8-25/64"	•	•
E113325	14	15	8-31/32"	•	•
E113326	16	17	9-11/16"	•	•
E111500	18	19	10-7/16"	•	•
E113328	20	22	11-11/32"		•
E113730	21	23	12-13/64"		•
E113329	22	24	12-13/64"		•
E113367	25	28	13-45/64"		•
E113368	27	29	14-41/64"		•
E117376	30	32	14-41/64"		•

*A	l sets	come	in	а	canvas	pouch

PRODUCT #	SIZE A IN.	SIZE B IN.	OVERALL LENGTH In.	SET
E111300	11-PC. S	AE Open-E	nd Wrench Set	
E113289	1/4"	5/16"	4-3/4"	•
E113290	11/32"	12/32"	5-1/2"	•
E113291	3/8"	7/16"	6"	•
E111301	7/16"	1/2"	6-3/4"	•
E113292	1/2"	9/16"	7"	•
E113293	5/8"	11/16"	8"	•
E111302	11/16"	3/4"	8-1/2"	•
E113294	3/4"	13/16"	9-1/4"	•
E111303	13/16"	7/8"	9-3/4"	•
E113295	7/8"	15/16"	9-3/4"	•
E111304	15/16"	1"	9-3/4"	•

E111300 11-PC. SAE OPEN-END WRENCH SET

Open end angled at 15° from handle axis



E111409

8-PC. METRIC OPEN-END WRENCH SET

Open end angled at 15° from handle axis

PRODUCT #	SIZE A MM	SIZE B MM	OVERALL LENGTH In.	SET
E111409	8-PC. Me	tric Open-	End Wrench Set	
E113262	4	5	4-13/32"	
E113250	6	7	4-51/64"	•
E113251	8	9	5-33/64"	•
E113265	8	10	5-33/64"	
E113252	10	11	6-9/64"	•
E113267	10	13	6-49/64"	
E113268	11	13	6-49/64"	
E113253	12	13	6-49/64"	•
E113272	13	17	7-13/32"	
E113254	14	15	7-13/32"	•
E113255	16	17	8-1/32"	•
E113275	17	19	8-21/32"	
E113256	18	19	8-21/32"	•
E113257	20	22	9-7/32"	•

PRODUCT #	SIZE A MM	SIZE B MM	OVERALL LENGTH In.
E113258	21	23	9-23/32"
E113279	22	24	9-23/32"
E111201	24	26	10-15/32"
E113259	24	27	10-15/32"
E113281	27	29	11-57/64"
E113282	27	30	11-57/64"
E113285	33	35	12-9/16"
E113286	36	41	14-61/64"
E113287	34	36	12-9/16"
E113288	38	42	14-61/64"

E112501 5-PC. METRIC FLARE-NUT WRENCH SETS

PRODUCT #	SIZE A MM	SIZE B MM	OVERALL Length In.	SI	ET
E112501	5-PC. Me	tric Flare-l	Nut Wrench Set		
E112503	5-PC. Me	tric Flare-l	Nut Wrench Set		
E112301	7	9	5-15/32"		•
E117388	8	10	5-15/32"		•
E112309	9	11	6-1/32"	•	
E112310	10	12	6-1/32"	•	
E117391	11	13	6-27/32"	•	•
E117392	12	14	6-27/32"	•	•
E112311	13	14	6-27/32"	•	
E112312	15	17	7-43/64"		
E112313	16	18	8-25/64"		
E117394	17	19	8-25/64"		•
E112314	19	21	8-31/32"		



PRODUCT #	SIZE A IN.	SIZE B IN.	OVERALL LENGTH In.	SET
E112502	5-PC. SAI	E Flare-Nut	Wrench Set	
E112404	1/4"	5/16"	5-15/32"	•
E112405	3/8"	7/16"	6-1/32"	•
E112401	1/2"	9/16"	6-27/32"	•
E112402	5/8"	11/16"	7-43/64"	•
E112403	3/4"	7/8"	8-31/32"	•

WRENCHES RATCHETING WRENCHES



E111119

8-PC. SAE EXTRA LONG **RATCHETING WRENCH SET - 12-PT.**

PRODUCT #	SIZE A IN.	OVERALL LENGTH In.	SET
E111119	8-PC. SAE E	ktra Long Ratcheting Wrench Set - 12-P	T.
E110983	5/16"	8-3/8"	•
E110984	3/8"	9-1/2"	•
E110985	7/16"	9-29/32"	•
E110986	1/2"	11-5/16"	•
E110987	9/16"	12"	•
E110988	5/8"	13-23/32"	•
E110989	11/16"	14-11/16"	•
E110990	3/4"	15-19/32"	•



12-PC. METRIC EXTRA LONG **RATCHETING WRENCH SET - 12-PT.**

PRODUCT #	SIZE A MM	OVERALL LENGTH In.	SET
E111120	12-PC. Metr	ic Extra Long Ratcheting Wrench Set - 1	2-PT.
E110970	8	8-11/16"	•
E110971	9	8-7/8"	•
E110972	10	9-1/2"	•
E110973	11	9-7/8"	•
E110974	12	10-1/2"	•
E110975	13	11-1/4"	•
E110976	14	12"	•
E110977	15	12-11/16"	•
E110978	16	13-11/16"	•
E110979	17	14-11/16"	•
E110980	18	15-1/8"	•
E110981	19	15-1/2"	•

E111111

SAE REVERSIBLE RATCHETING **COMBINATION WRENCH SETS**

PRODUCT #	SIZE IN.	OVERALL LENGTH In.	SET
E111111	15-PC. SAE Reversible Combination Rat	tcheting Wrench Set - 12-PT.	
E111017	9/32"	4-7/8"	•
E111018	11/32"	5-19/32"	•
E111002	3/8"	6-7/32"	•
E111003	7/16"	6-37/64"	•
E111004	1/2"	7-3/64"	•
E111005	9/16"	7-7/16"	•
E111006	5/8"	8-15/32"	•
E111007	11/16"	9-9/64"	•
E111008	3/4"	9-23/32"	•
E111009	7/8"	11-7/32"	•
E111010	15/16"	12-51/64"	•
E111011	1"	12-51/64"	•
E111012	1-1/16"	14-9/64"	•
E111013	1-1/8"	16-47/64"	•
E111014	1-1/4"	16-47/64"	•



E111106-US

METRIC REVERSIBLE RATCHETING COMBINATION WRENCH SET - 12-PT.

PRODUCT #	SIZE MM	OVERALL LENGTH In.	SET
E111106-US	12-PC. N Combinat	letric Reversible Ratc tion Wrench Set - 12-	heting PT.
E113301	8	5-5/16"	•
E113302	9	5-19/32"	•
E113303	10	6-7/32"	•
E113300	11	6-37/64"	•
E113304	12	6-13/16"	•
E113305	13	7-3/64"	•
E113306	14	7-7/16"	•
E113307	15	7-53/64"	•
E113308	16	8-15/32"	•
E113309	17	9-9/64"	•
E113310	18	9-3/8"	•
E113311	19	9-23/32"	•

PRODUCT #	SIZE MM	OVERALL LENGTH IN.
E117377	6	4-7/8"
E117378	7	4-7/8"
E110952	20	11-7/32"
E117370	21	11-7/32"
E117371	22	11-7/32"
E110960	23	12-51/64"
E117372	24	12-51/64"
E117373	27	14-9/64"
E117374	30	16-47/64"
E113460	32	16-47/64"



E111113

19-PC. METRIC REVERSIBLE RATCHETING COMBINATION WRENCH SET - 12-PT.

PRODUCT #	SIZE MM	OVERALL LENGTH In.	SET
E111113	19-PC. Metri Wrench Set -	c Reversible Ratcheting Combination 12-PT.	
E117377	6	4-7/8"	•
E117378	7	4-7/8"	•
E113301	8	5-5/16"	•
E113302	9	5-19/32"	•
E113303	10	6-7/32"	•
E113300	11	6-37/64"	•
E113304	12	6-13/16"	•
E113305	13	7-3/64"	•
E113306	14	7-7/16"	•
E113307	15	7-53/64"	•
E113308	16	8-15/32"	•
E113309	17	9-9/64"	•
E113310	18	9-3/8"	•
E113311	19	6-27/32"	•
E110952	20	9-23/32"	•
E117370	21	11-7/32"	•
E117371	22	11-7/32"	•
E110960	23	12-51/64"	•
E117372	24	12-51/64"	•



E111040

5-PC. EXTRA-LONG SAE DOUBLE-BOX FLEX RATCHETING WRENCH SET - 12-PT.

PRODUCT #	SIZE IN.	
E111040	5-PC. Extra-Long SAE Double-Box Flex Ratcheting Wrench Set - 12-PT.	
E111041	1/4" x 5/16"	•
E111042	3/8" x 7/16"	•
E111043	1/2" x 9/16"	•
E111044	5/8" x 11/16"	•
E111045	3/4" x 7/8"	•



E111101-US

12-PC. METRIC RAPID RATCHETING COMBINATION WRENCH SET - 12-PT.

 Rapid feature eliminates the need to remove and reposition the wrench during tightening and loosening.

PRODUCT #	SIZE MM	OVERALL LENGTH In.	SET
E111101-US	12-PC. Rapid	Ratcheting Combination Wrench Set - 12-PT.	
E110924	8	5-23/64"	•
E110925	9	5-5/8"	•
E110926	10	6-19/64"	•
E110927	11	6-39/64"	•
E110928	12	6-27/32"	•
E110929	13	7-3/32"	•
E110930	14	7-19/32"	•
E110931	15	7-7/8"	•
E110932	16	8-1/2"	•
E110933	17	9-11/64"	•
E110934	18	9-13/32"	•
E110935	19	9-27/32"	•



E111050

6-PC. EXTRA-LONG METRIC DOUBLE-BOX FLEX RATCHETING WRENCH SET - 12-PT.

PRODUCT #	SIZE MM	
E111050	6-PC. Extra-Long Metric Double-Box Flex Ratcheting Wrench Set - 12-PT.	
E111051	8mm x 9mm	•
E111052	10mm x 11mm	•
E111053	12mm x 13mm	•
E111054	14mm x 15mm	•
E111055	16mm x 17mm	•
E111056	18mm x 19mm	•

NATCHETING WRENCHES



PRODUCT #	SIZE A In.	OVERALL LENGTH In.	
E111114		Flex-Head Ratcheting 1 Wrench Set - 12-PT.	
E111020	5/16"	5-11/32"	•
E111022	3/8"	6-19/64"	•
E111023	7/16"	6-39/64"	•
E111024	1/2"	7-3/32"	•
E111025	9/16"	7-19/32"	•
E111026	5/8"	8-1/2"	•
E111027	11/16"	9-11/64"	•
E111028	3/4"	9-27/32"	•
E111029	13/16"	11-7/32"	•
E111030	7/8"	11-7/32"	•
E111031	15/16"	12-51/64"	•
E111032	1"	12-51/64"	•

E111102 METRIC FLEX-HEAD RATCHETING COMBINATION WRENCH SET

SIZE A MM	OVERALL LENGTH In.	SET
8	5-23/64"	•
9	5-5/8"	•
10	6-19/64"	•
11	6-39/64"	•
12	6-27/32"	•
13	7-3/32"	•
14	7-19/32"	•
15	7-7/8"	•
16	8-1/2"	•
17	9-11/64"	•
18	9-13/32"	•
19	9-27/32"	•
	MM 12-PC. Meta Combination 8 9 10 11 12 13 14 15 16 17 18	MM IN. 12-PC. Metric Flex-Head Ratcheting Combination Wrench Set - 12-PT. 8 5-23/64" 9 5-5/8" 10 6-19/64" 11 6-39/64" 12 6-27/32" 13 7-3/32" 14 7-19/32" 15 7-7/8" 16 8-1/2" 17 9-11/64" 18 9-13/32"



DOUBLE-BOX END RATCHETING WRENCH SETS - 12-PT.

PRODUCT #	SIZE MM	SET
E111109	6-PC. Metric Double-Box End Ratcheting Wrench Set - 12-PT.	
E110954	8mm x 9mm	•
E110955	10mm x 11mm	
E110956	12mm x 13mm •	
E110957	14mm x 15mm •	
E110958	16mm x 18mm	•
E110959	17mm x 19mm	•

PRODUCT #	SIZE IN.	SET
E111135	E111135 4-PC. SAE Double-Box End Ratcheting Wrench Set - 12-PT.	
E111033	5/16" x 3/8"	•
E111034	7/16" x 1/2" •	
E111035	9/16" x 5/8"	•
E111036	11/16" x 3/4"	•



E111105 7-PC. SAE STUBBY RATCHETING WRENCH SET - 12-PT.

PRODUCT #	SIZE A IN.	OVERALL LENGTH IN.	SET
E111105		7-PC. SAE Stubby Ratcheting Wrench Set - 12-PT.	
E110807	3/8"	3-25/32"	•
E110808	7/16"	4-3/32"	•
E110809	1/2"	4-1/4"	•
E110810	9/16"	4-31/64"	•
E110811	5/8"	4-41/64"	•
E110812	11/16"	5-3/64"	•
E110813	3/4"	5-7/16"	•



E111104-US

7-PC. METRIC STUBBY RATCHETING WRENCH SET - 12-PT.

PRODUCT #	SIZE A MM	OVERALL LENGTH In.	SET
E111104-US		7-PC. Metric Stubby Ratcheting Wrench Set - 12-PT.	
E110914	10	3-25/32"	•
E110916	12	4-3/32"	•
E110917	13	4-1/4"	•
E110918	14	4-31/64"	•
E110919	15	4-41/64"	•
E110921	17	5-3/64"	•
E110923	19	5-7/16"	•



E112701

3-PC. ADJUSTABLE WRENCH SET

PRODUCT #	LENGTH L	MAXIMUM OPENING	SET
E112701	3-PC. Adjustabl	e Wrench Set	
E187366	6"	15/16"	•
E187368	8"	1-1/8"	•
E187470	10"	1-5/6"	•
E187472	12"	1-1/2"	
E187473	14"	1-9/16"	
E117905	18"	2-1/16"	
E117906	24"	2-7/16"	

ADJUSTABLE PIPE WRENCH

PRODUCT #	LENGTH L
E117820	8"
E117821	10"
E117822	14"
E117823	18"
E117824	24"
E117825	36"
E090103	48"





QUICK-RELEASE RATCHET

- Bi-material handle ratchet
- 72-Tooth gear
- 5° Ratchet swing

PRODUCT #	DRIVE SIZE	OVERALL LENGTH
E030605	1/4"	5-33/64"
E031706	3/8"	7-53/64"
E032808	1/2"	9-27/32"

FLEX-HEAD RATCHETS

- Flex-head ratchet allows user to reach places inaccessible to standard ratchets
- 72-Tooth gear
- 5° Ratchet swing

PRODUCT #	DRIVE SIZE	OVERALL LENGTH
E031702	3/8"	10-53/64"
E032803	1/2"	17-13/64"



ROUND-HEAD QUICK-RELEASE RATCHETS

- · Bi-material handle ratchet
- 72-Tooth gear
- 5° Ratchet swing

PRODUCT #	DRIVE SIZE	OVERALL LENGTH
E030601	1/4"	5-33/64"
E031701	3/8"	7-53/64"



ROTATING-HEAD RATCHETS

- · Rotating head pivots to access hard-to-reach areas
- 72-Tooth gear
- 5° Ratchet swing

PRODUCT #	DRIVE SIZE	OVERALL LENGTH
E031703	3/8"	9-7/32"







EXTRA-LONG RATCHETS

- Bi-material handle ratchet72-Tooth gear5° Ratchet swing

PRODUCT #	DRIVE SIZE	OVERALL LENGTH
E032710	1/4"	12"
E032711	3/8"	18"
E032712	1/2"	24"





PRODUCT #	DRIVE SIZE	OVERALL LENGTH
E113819	3/4"	23-3/8"
E034601	1"	26-7/32"

SLIDING T-HANDLES

PRODUCT #	DRIVE SIZE	OVERALL LENGTH
E117355	1/4"	4-9/64"
E117361	3/8"	6-11/16"
E031601	3/8"	10"
E117259	1/2"	9-29/64"
E113815	3/4"	18-57/64"
E034503	1"	19-11/16"

DRIVE SPEED HANDLE RATCHETS

PRODUCT #	DRIVE SIZE	OVERALL LENGTH
E031604	3/8"	16-1/2"
E032702	1/2"	18"

BREAKER BAR

PRODUCT#	DRIVE SIZE	OVERALL LENGTH
E031602	3/8"	7-7/8"
E031603	3/8"	14-49/64"
E032804	1/2"	17"
E032805	1/2"	23"
E033804	3/4"	41.5"

E033804

LOCKING RATCHET HANDLES

	PRODUCT #	DRIVE SIZE	OVERALL LENGTH
	E113816	3/4"	16-47/64"

DRIVE TOOLS BIT HOLDERS, ADAPTERS, EXTENSIONS





RATCHET HEADS

PRODUCT #	DRIVE SIZE	GEAR
E113817	3/4"	24-Tooth
E034600	1"	24-Tooth



UNIVERSAL JOINTS

PRODUCT #	DRIVE SIZE	OVERALL LENGTH
E117360	1/4"	63/64"
E117367	3/8"	1-5/32"
E117264	1/2"	1-19/32"
E113822	3/4"	1-1/2"



• Overall Length: 2-5/16"



E117398 3-PC. UNIVERSAL JOINT SOCKET ADAPTER SET

PRODUCT #	DRIVE SIZE	OVERALL LENGTH
E117395	1/4"	1-5/8"
E117396	3/8"	2"
E117397	1/2"	2-3/8"



EVIENDIC	JINO
PRODUCT #	ni

PRODUCT #	DRIVE SIZE	SIZE
E113771	1/4"	2"
E117356	1/4"	4"
E113772	1/4"	6"
E117363	3/8"	3"
E113850	3/8"	6"
E117364	3/8"	10"
E031606	3/8"	12"
E113710	1/2"	3"
E117260	1/2"	5"
E117261	1/2"	10"
E113820	3/4"	4"
E113823	3/4"	8"
E113824	3/4"	16"
E034501	1"	8"
E034502	1"	16"



• Overall Length: 2-5/16"



DRIVE ADAPTERS

	PRODUCT #	DRIVE SIZE	OVERALL LENGTH
	E117358	1/4" F x 3/8" M	63/64"
ľ	E117365	3/8" F x 1/4" M	1"
	E117366	3/8" F x 1/2" M	1-27/64"
	E117262	1/2" F x 3/8" M	1-23/64"
	E117263	1/2" F x 3/4" M	1-21/32"
	E113821	3/4" F x 1/2" M	1-7/8"



BIT SOCKET ADAPTERS

PRODUCT #	DRIVE SIZE	OVERALL LENGTH
E117359	1/4"	63/64"
E113851	3/8"	1-31/32"
E113711	1/2"	1-37/64"



E113814 **SLIDING TEE**

- For use with **E113816**
- Drive Size: 3/4"

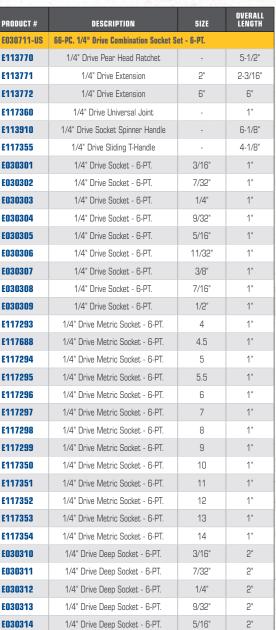
SOCKET SPINNER HANDLE

PRODUCT #	DRIVE SIZE	OVERALL LENGTH
E113910	1/4"	6-1/8"

SOCKET SETS COMBINATION SOCKET SETS



- · Innovative design to prevent fastener rounding
- · Chrome-plated vanadium-steel
- · High visibility size marking for easy identification
- · Bi-material handle ratchet





PRODUCT #	DESCRIPTION	SIZE [MM]	OVERALL Length
E030711-US	66-PC. 1/4" Drive Combination Socke	t Set - 6-PT.	
E030315	1/4" Drive Deep Socket - 6-PT.	11/32"	2"
E030316	1/4" Drive Deep Socket - 6-PT.	3/8"	2"
E030317	1/4" Drive Deep Socket - 6-PT.	7/16"	2"
E030318	1/4" Drive Deep Socket - 6-PT.	1/2"	2"
E113751	1/4" Drive Metric Deep Socket - 6-PT.	4	2"
E113752	1/4" Drive Metric Deep Socket - 6-PT.	5	2"
E113754	1/4" Drive Metric Deep Socket - 6-PT.	6	2"
E113755	1/4" Drive Metric Deep Socket - 6-PT.	7	2"
E113756	1/4" Drive Metric Deep Socket - 6-PT.	8	2"
E113757	1/4" Drive Metric Deep Socket - 6-PT.	9	2"
E113758	1/4" Drive Metric Deep Socket - 6-PT.	10	2"
E113759	1/4" Drive Metric Deep Socket - 6-PT.	11	2"
E113760	1/4" Drive Metric Deep Socket - 6-PT.	12	2"
E113761	1/4" Drive Metric Deep Socket - 6-PT.	13	2"
E030103	Socket, Hex Bit 1/4" Drive	3	-
E030104	Socket, Hex Bit 1/4" Drive	4	-
E030105	Socket, Hex Bit 1/4" Drive	5	-
E117359	Bit, Socket Adapter	-	1"
E130101	Bit, Slotted	4	-
E130103	Bit, Slotted	5.5	-
E130104	Bit, Slotted	6.5	-
E113685	Bit Socket Adapter	#2 Phillips®	-
E113686	Bit Socket Adapter	#2 Phillips®	-
E113687	Bit Socket Adapter	#3 Phillips®	-
E113631	Bit Socket Adapter	PZ1	-
E113632	Bit Socket Adapter	PZ2	-
E113633	Bit Socket Adapter	PZ3	-
E117781	Bit Socket Adapter	T10	-
E117782	Bit Socket Adapter	T15	-
E117783	Bit Socket Adapter	T20	-
E117784	Bit Socket Adapter	T25	-
E117786	Bit Socket Adapter	T30	-
E117787	Bit Socket Adapter	T40	-

SOCKET SETS 1/4" SOCKETS AND SETS



26-PC. 1/4" DRIVE SAE STANDARD AND DEEP SOCKET SET - 6-PT.

- 72-Tooth pear head ratchet
- Meets or exceeds ISO and DIN specifications

PRODUCT #	DESCRIPTION	SIZE	SIZE IN.	OVERALL LENGTH	SET
E034818	26-PC. 1/4" Drive SAE Standard	and Dee	Socket Set - I	6-PT.	
E030605	Pear Head Ratchet	1/4"	-	5-33/64"	•
E113771	Extension	1/4"	-	2"	•
E113772	Extension	1/4"	-	6"	•
E113910	Spinner Handle	1/4"	-	6-1/8"	•
E117360	Universal Joint	1/4"	-	1"	•
E030301	Socket	1/4"	3/16"	1"	•
E030302	Socket	1/4"	7/32"	1"	•
E030303	Socket	1/4"	1/4"	1"	•
E030304	Socket	1/4"	9/32"	1"	•
E030305	Socket	1/4"	5/16"	1"	•
E030306	Socket	1/4"	11/32"	1"	•
E030307	Socket	1/4"	3/8"	1"	•
E030308	Socket	1/4"	7/16"	1"	•
E030309	Socket	1/4"	1/2"	1"	•
E030320	Socket	1/4"	9/16"	1"	•
E030319	Deep Socket	1/4"	5/32"	2"	•
E030310	Deep Socket	1/4"	3/16"	2"	•
E030311	Deep Socket	1/4"	7/32"	2"	•
E030312	Deep Socket	1/4"	1/4"	2"	•
E030313	Deep Socket	1/4"	9/32"	2"	•
E030314	Deep Socket	1/4"	5/16"	2"	•
E030315	Deep Socket	1/4"	11/32"	2"	•
E030316	Deep Socket	1/4"	3/8"	2"	•
E030317	Deep Socket	1/4"	7/16"	2"	•
E030318	Deep Socket	1/4"	1/2"	2"	•
E030322	Deep Socket	1/4"	9/16"	2"	•



27-PC. 1/4" DRIVE METRIC STANDARD AND DEEP SOCKET SET - 6-PT.

Full polish ratchet

PRODUCT #	DESCRIPTION	SIZE	SIZE MM	OVERALL LENGTH	SET
E034820-US	27-PC. 1/4" Drive Metric Stan	drd and De	eep Socket Set	- 6-PT.	
E030605	Pear Head Ratchet	1/4"	-	5-33/64"	•
E113771	Extension	1/4"	-	2"	•
E113772	Extension	1/4"	-	6"	•
E113910	Spinner Handle	1/4"	-	6-1/8"	•
E117360	Universal Joint	1/4"	-	1"	•
E117294	Socket	1/4"	5	1"	•
E117295	Socket	1/4"	5.5	1"	•
E117296	Socket	1/4"	6	1"	•
E117297	Socket	1/4"	7	1"	•
E117298	Socket	1/4"	8	1"	•
E117299	Socket	1/4"	9	1"	•
E117350	Socket	1/4"	10	1"	•
E117351	Socket	1/4"	11	1"	•
E117352	Socket	1/4"	12	1"	•
E117353	Socket	1/4"	13	1"	•
E117354	Socket	1/4"	14	1"	•
E113752	Deep Socket	1/4"	5	2"	•
E113753	Deep Socket	1/4"	5.5	2"	•
E113754	Deep Socket	1/4"	6	2"	•
E113755	Deep Socket	1/4"	7	2"	•
E113756	Deep Socket	1/4"	8	2"	•
E113757	Deep Socket	1/4"	9	2"	•
E113758	Deep Socket	1/4"	10	2"	•
E113759	Deep Socket	1/4"	11	2"	•
E113760	Deep Socket	1/4"	12	2"	•
E113761	Deep Socket	1/4"	13	2"	•
E113762	Deep Socket	1/4"	14	2"	•



19-PC. 1/4" DRIVE **METRIC SOCKET SET - 6-PT.**

- Innovative design to prevent fastener roundingHigh visibility size marking for easy identificationBi-material handle ratchet

DDODUGT #	Proprietion	0175 1 41 4	OVERALL LEWOTH	
PRODUCT #	DESCRIPTION	SIZE MM	OVERALL LENGTH	SET
E030700-US	19-PC. 1/4" Drive Metric Socket Se	et - 6-PT .		
E030605	1/4" Drive Pear Head Ratchet		5-33/64"	•
E113771	1/4" Drive Extension	2"	2-11/64"	•
E117355	1/4" Drive Sliding T-Handle	-	4-9/64"	•
E117356	1/4" Drive Extension	4"	3-15/64"	•
E117360	1/4" Drive Universal Joint		1"	•
E117293	1/4" Drive Metric Socket - 6-PT.	4	1"	•
E117688	1/4" Drive Metric Socket - 6-PT.	4.5	1"	•
E117294	1/4" Drive Metric Socket - 6-PT.	5	1"	•
E117295	1/4" Drive Metric Socket - 6-PT.	5.5	1"	•
E117296	1/4" Drive Metric Socket - 6-PT.	6	1"	•
E117297	1/4" Drive Metric Socket - 6-PT.	7	1"	•
E117298	1/4" Drive Metric Socket - 6-PT.	8	1"	•
E117299	1/4" Drive Metric Socket - 6-PT.	9	1"	•
E117350	1/4" Drive Metric Socket - 6-PT.	10	1"	•
E117351	1/4" Drive Metric Socket - 6-PT.	11	1"	•
E117352	1/4" Drive Metric Socket - 6-PT.	12	1"	•
E117353	1/4" Drive Metric Socket - 6-PT.	13	1"	•
E117354	1/4" Drive Metric Socket - 6-PT.	14	1"	•
E117359	Bit, Socket Adapter	-	1"	•



E034816 11-PC. 1/4" DRIVE METRIC SOCKET SET - 6-PT.

PRODUCT #	SIZE (MM)	OVERALL LENGTH	SET
E034816	11-PC. 1/4" Drive I Standard Socket So		
E117293	4	1"	•
E117294	5	1"	•
E117296	6	1"	•
E117297	7	1"	•
E117298	8	1"	•
E117299	9	1"	•
E117350	10	1"	•
E117351	11	1"	•
E117352	12	1"	•
E117353	13	1"	•
E117354	14	1"	•



E034815 10-PC. 1/4" DRIVE SAE SOCKET SET - 6-PT.

PRODUCT #	SIZE	OVERALL LENGTH	SET	
E034815	10-PC. 1/4" Drive SAE Standard Socket Set - 6-PT.			
E030301	3/16"	1"	•	
E030302	7/32"	1"	•	
E030303	1/4"	1"	•	
E030304	9/32"	1"	•	
E030305	5/16"	1"	•	
E030306	11/32"	1"	•	
E030307	3/8"	1"	•	
E030308	7/16"	1"	•	
E030309	1/2"	1"	•	
E030320	9/16"	1"	•	

SOCKET SETS 1/4" AND 3/8" DRIVE SOCKETS AND SETS

E030712-US 60-PC. 1/4" AND 3/8" DRIVE SOCKET SET - 6-PT.

 Innovative design to prevent fastener rounding

 High visibility size marking for easy identification

 Bi-material handle ratchet



E034835-US 126-PC. 1/4" AND 3/8" DRIVE **MASTER SET**

Chrome finish

 Meets or exceeds ISO and DIN specifications



PRODUCT #	DESCRIPTION	SIZE	OVERALL LENGTH	SI	ET
E030712-US	60-PC. 1/4" and 3/8" Drive Socket Se	t - 6-PT.			
E034835-US	126-PC. 1/4" and 3/8" Drive Master 9	Set			
E030605	Pear Head Ratchet	1/4"	5-33/64"	•	
E031706	Quick Release Ratchet	3/8"	7-53/64"	•	•
E113910	1/4" Drive Socket Spinner Handle	-	6-1/8"		•
E030301	1/4" Drive Socket 6-PT	3/16"	1"	•	•
E030302	1/4" Drive Socket 6-PT	7/32"	1"	•	•
E030303	1/4" Drive Socket 6-PT	1/4"	1"	•	•
E030304	1/4" Drive Socket 6-PT	9/32"	1"	•	•
E030305	1/4" Drive Socket 6-PT	5/16"	1"	•	•
E030306	1/4" Drive Socket 6-PT	11/32"	1"	•	•
E030307	1/4" Drive Socket 6-PT	3/8"	1"	•	•
E030308	1/4" Drive Socket - 6-PT.	7/16"	1"	•	
E030309	1/4" Drive Socket - 6-PT.	1/2"	1"	•	
E030320	1/4" Drive Socket - 6-PT.	9/16"	1"	•	
E117293	1/4" Drive Metric Socket - 6-PT.	4	1"	•	•
E117688	1/4" Drive Metric Socket - 6-PT.	4.5	1"	•	
E117294	1/4" Drive Metric Socket - 6-PT.	5	1"	•	•
E117295	1/4" Drive Metric Socket - 6-PT.	5.5	1"	•	
E117296	1/4" Drive Metric Socket - 6-PT.	6	1*	•	•
E117297	1/4" Drive Metric Socket - 6-PT.	7	1"	•	•
E117298	1/4" Drive Metric Socket - 6-PT.	8	1*	•	•
E117299	1/4" Drive Metric Socket - 6-PT.	9	1"	•	•
E117350	1/4" Drive Metric Socket - 6-PT.	10	1"	•	•
E117351	1/4" Drive Metric Socket - 6-PT.	11	1"	•	
E117352	1/4" Drive Metric Socket - 6-PT.	12	1"	•	
E117353	1/4" Drive Metric Socket - 6-PT.	13	1"	•	
E117354	1/4" Drive Metric Socket - 6-PT.	14	1"	•	
E030310	1/4" Drive Deep Socket - 6-PT.	3/16"	2"	•	
E030311	1/4" Drive Deep Socket - 6-PT.	7/32"	2"	•	
E030312	1/4" Drive Deep Socket - 6-PT.	1/4"	2"	•	
E030313	1/4" Drive Deep Socket - 6-PT.	9/32"	2"	•	

PRODUCT #	DESCRIPTION	SIZE	OVERALL LENGTH	SET		
E030712-US	60-PC. 1/4" and 3/8" Drive Socket Set - 6-PT.					
E034835-US	126-PC. 1/4" and 3/8" Drive Master S	et				
E030314	1/4" Drive Deep Socket - 6-PT.	5/16"	2"	•		
E030315	1/4" Drive Deep Socket - 6-PT.	11/32"	2"	•		
E030316	1/4" Drive Deep Socket - 6-PT.	3/8"	2"	•		
E030317	1/4" Drive Deep Socket - 6-PT.	7/16"	2"	•		
E030318	1/4" Drive Deep Socket - 6-PT.	1/2"	2"	•		
E030322	1/4" Drive Deep Socket - 6-PT.	9/16"	2"	•		
E113751	1/4" Drive Metric Deep Socket - 6-PT.	4	2"	•		
E113752	1/4" Drive Metric Deep Socket - 6-PT.	5	2"	•		
E113753	1/4" Drive Metric Deep Socket - 6-PT.	5.5	2"	•		
E113754	1/4" Drive Metric Deep Socket - 6-PT.	6	2"	•		
E113755	1/4" Drive Metric Deep Socket - 6-PT.	7	2"	•		
E113756	1/4" Drive Metric Deep Socket - 6-PT.	8	2"	•		
E113757	1/4" Drive Metric Deep Socket - 6-PT.	9	2"	•		
E113758	1/4" Drive Metric Deep Socket - 6-PT.	10	2"	•		
E113759	1/4" Drive Metric Deep Socket - 6-PT.	11	2"	•		
E113760	1/4" Drive Metric Deep Socket - 6-PT.	12	2"	•		
E113761	1/4" Drive Metric Deep Socket - 6-PT.	13	2"	•		
E113762	1/4" Drive Metric Deep Socket - 6-PT.	14	2"	•		
E031301	3/8" Drive Socket - 6-PT.	1/4"	1"	•		
E031302	3/8" Drive Socket - 6-PT.	5/16"	1"	•		
E031303	3/8" Drive Socket - 6-PT.	11/32"	1"	•		
E031304	3/8" Drive Socket - 6-PT.	3/8"	1"	•	•	
E031305	3/8" Drive Socket - 6-PT.	7/16"	1"	•	•	
E031306	3/8" Drive Socket - 6-PT.	1/2"	1"	•	•	
E031307	3/8" Drive Socket - 6-PT.	9/16"	1"	•	•	
E031308	3/8" Drive Socket - 6-PT.	5/8"	1"	•	•	
E031309	3/8" Drive Socket - 6-PT.	11/16"	1"	•	•	
E031310	3/8" Drive Socket - 6-PT.	3/4"	1"	•	•	
E031311	3/8" Drive Socket - 6-PT.	13/16"	1-9/64"	•		
E031312	3/8" Drive Socket - 6-PT.	7/8"	1-9/64"	•		
E031334	3/8" Drive Socket - 6-PT.	15/16"	1-9/64"	•		
E031313	3/8" Drive Socket - 6-PT.	1"	1-3/8"	•		

PRODUCT #	DESCRIPTION	SIZE	OVERALL LENGTH	SI	ĒΤ
E030712-US	60-PC. 1/4" and 3/8" Drive Socket S	Set - 6-PT.			
E034835-US	126-PC. 1/4" and 3/8" Drive Master	· Set			
E030937	3/8" Drive Metric Socket - 6-PT.	8	1"		•
E030938	3/8" Drive Metric Socket - 6-PT.	9	1"		•
E030939	3/8" Drive Metric Socket - 6-PT.	10	1"	•	•
E030940	3/8" Drive Metric Socket - 6-PT.	11	1"	٠	•
E030941	3/8" Drive Metric Socket - 6-PT.	12	1"	•	•
E030942	3/8" Drive Metric Socket - 6-PT.	13	1"	•	•
E030943	3/8" Drive Metric Socket - 6-PT.	14	1"	•	•
E030944	3/8" Drive Metric Socket - 6-PT.	15	1"	٠	•
E030945	3/8" Drive Metric Socket - 6-PT.	16	1"	•	٠
E030946	3/8" Drive Metric Socket - 6-PT.	17	1"	•	•
E030947	3/8" Drive Metric Socket - 6-PT.	18	1"	•	•
E030948	3/8" Drive Metric Socket - 6-PT.	19	1"	٠	•
E030947	3/8" Drive Metric Socket - 6-PT.	18	1"	•	•
E030948	3/8" Drive Metric Socket - 6-PT.	19	1"	٠	•
E031525	3/8" Drive Deep Socket - 6-PT.	1/4"	1-51/64"	•	
E031526	3/8" Drive Deep Socket - 6-PT.	5/16"	1-51/64"	•	
E031516	3/8" Drive Deep Socket - 6-PT.	3/8"	1-51/64"	•	
E031517 E031518	3/8" Drive Deep Socket - 6-PT.	7/16"	1-51/64"	•	
E031519	3/8" Drive Deep Socket - 6-PT. 3/8" Drive Deep Socket - 6-PT.	9/16"	1-51/64"	•	
E031519	3/8" Drive Deep Socket - 6-PT.	5/8"	1-51/64"	•	
E031521	3/8" Drive Deep Socket - 6-PT.	11/16"	2-13/64"	•	
E031522	3/8" Drive Deep Socket - 6-PT.	3/4"	2-13/64"	•	
E031523	3/8" Drive Deep Socket - 6-PT.	13/16"	2-13/64"		
E031524	3/8" Drive Deep Socket - 6-PT.	7/8"	2-1/2"	•	
E031527	3/8" Drive Deep Socket - 6-PT.	15/16"	2-1/2"	•	
E031528	3/8" Drive Deep Socket - 6-PT.	1"	2-1/2"	•	
E031505	3/8" Drive Metric Deep Socket - 6-PT.	10	1-51/64"	•	
E031506	3/8" Drive Metric Deep Socket - 6-PT.	11	1-51/64"	•	
E031507	3/8" Drive Metric Deep Socket - 6-PT.	12	1-51/64"	•	
E031508	3/8" Drive Metric Deep Socket - 6-PT.	13	1-51/64"	٠	
E031509	3/8" Drive Metric Deep Socket - 6-PT.	14	1-31/32"	٠	
E031510	3/8" Drive Metric Deep Socket - 6-PT.	15	2-3/32"	٠	
E031511	3/8" Drive Metric Deep Socket - 6-PT.	16	2-3/32"	٠	
E031512	3/8" Drive Metric Deep Socket - 6-PT.	17	2-13/64	•	
E031513	3/8" Drive Metric Deep Socket - 6-PT.	18	2-13/64	•	
E031514	3/8" Drive Metric Deep Socket - 6-PT.	19	2-13/64	•	
E117360 E117358	1/4" Drive Universal Joint 1/4" F x 3/8" M Adapter	-	1"	•	
E117338 E113771	1/4 F X 3/8 IVI Adapter 1/4" Drive Extension	2"	2-11/64"	•	
E113771	1/4" Drive Extension	6"	5-29/32"	•	
E117359	1/4" Drive Bit Socket Adapter	_	1"		
E117363	3/8" Drive Extension	3"	2-61/64"		
E113850	3/8" Drive Extension	6"	4-59/64"	•	•
F117367	3/8" Drive Universal Joint	_	1-5/32"		

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PRODUCT #	DESCRIPTION	SIZE	OVERALL LENGTH	SI	1
E030712-US	60-PC. 1/4" and 3/8" Drive Socket S	Set - 6-PT.			
E034835-US	126-PC. 1/4" and 3/8" Drive Master	r Set			
E117365	3/8" F x 1/4" M Adapter	-	1"	•	•
E031314	3/8" Drive Spark Plug Socket - 6-PT.	5/8"			•
E031315	3/8" Drive Spark Plug Socket - 6-PT.	13/16"			•
E113230	Combination Wrench - 12-PT.	5/16"	4-23/32"		
E113313	Combination Wrench - 12-PT.	11/32"	5-1/8"		
E113314	Combination Wrench - 12-PT.	3/8"	5-33/64"	•	
E113315	Combination Wrench - 12-PT.	7/16"	5-29/32"	•	
E113316	Combination Wrench - 12-PT.	1/2"	6-11/16"	•	
E113317	Combination Wrench - 12-PT.	9/16"	7-3/32"	•	
E113318	Combination Wrench - 12-PT.	5/8"	7-7/8"	•	
E113319	Combination Wrench - 12-PT.	11/16"	8-17/64"	•	
E113358	Combination Wrench - 12-PT.	3/4"	9-1/16"	•	
E113205	Metric Combination Wrench - 12-PT.	10	5-33/64"	•	
E113206	Metric Combination Wrench - 12-PT.	11	5-29/32"	•	
E113207	Metric Combination Wrench - 12-PT.	12	6-19/64"	•	
E113208	Metric Combination Wrench - 12-PT.	13	6-11/16"	•	
E113209	Metric Combination Wrench - 12-PT.	14	7-3/32"	•	
E113210	Metric Combination Wrench - 12-PT.	15	7-31/64"	•	
E113211	Metric Combination Wrench - 12-PT.	16	7-7/8"	•	
E113212	Metric Combination Wrench - 12-PT.	17	8-17/64"	•	
E113213	Metric Combination Wrench - 12-PT.	18	8-21/32"	•	
E113214	Metric Combination Wrench - 12-PT.	19	9-1/16"	•	
E130101	Bit, Slotted	4	-		•
E130103	Bit, Slotted	5.5	-		•
E130104	Bit, Slotted	6.5	-		•
E113685	Bit, Insert Phillips®	#1	-		•
E113686	Bit, Insert Phillips®	#2	-		•
E113687	Bit, Insert Phillips®	#3	-		•
E113631	Bit, Prince Reed Pozidriv®	PZ1	-		•
E113632	Bit, Prince Reed Pozidriv®	PZ2	-		•
E113633	Bit, Prince Reed Pozidriv®	PZ3	-		•
E117781	Bit, Torx®	T10	-		•
E117782	Bit, Torx®	T15	-		•
E117783	Bit, Torx®	T20	-		•
E117784	Bit, Torx®	T25	-		•
E117786	Bit, Torx®	T30	-		٠
E117787	Bit, Torx®	T40	-		٠
E113652	Bit, Insert Hex	3	-		•
E117768	Bit, Hex	4	-		•
E113654	Bit, Insert Hex	5	-		•
E165017	Slotted Cabinet Tip Screwdriver	1/8"	7-61/64"	٠	
E165482	Slotted Keystone Tip Screwdriver	5/16"	9-1/16"	٠	
E164978	Slotted Keystone Tip Screwdriver	3/32"	5-55/64"	•	
E165206	Phillips® Screwdriver	#0	6-31/32"	•	
E165207	Phillips® Screwdriver	#1	8-5/64"	•	
E160301	Phillips® Screwdriver	#2	9-1/16"	•	

SOCKITES TIS 1/4" AND 3/8" DRIVE SOCKETS AND SETS



E034809-US 60-PC. 1/4" AND 3/8" DRIVE SOCKET SET - 6-PT. AND 12-PT.

- Innovative design to prevent fastener rounding
- Chrome-plated vanadium-steel
- High visibility size marking for easy identification
- Bi-material handle ratchet

PRODUCT #	DESCRIPTION	SIZE	OVERALL LENGTH
E034809-US	60-PC. 1/4" and 3/8" Drive Socket Set -	6-PT. and 12	-РТ.
E030301	1/4" Drive Standard Socket - 6-PT.	3/16"	1"
E030302	1/4" Drive Standard Socket - 6-PT.	7/32"	1"
E030303	1/4" Drive Standard Socket - 6-PT.	1/4"	1"
E030304	1/4" Drive Standard Socket - 6-PT.	9/32"	1"
E030305	1/4" Drive Standard Socket - 6-PT.	5/16"	1"
E030306	1/4" Drive Standard Socket - 6-PT.	11/32"	1"
E030307	1/4" Drive Standard Socket - 6-PT.	3/8"	1"
E030308	1/4" Drive Standard Socket - 6-PT.	7/16"	1"
E030309	1/4" Drive Standard Socket - 6-PT.	1/2"	1"
E030311	1/4" DP Socket - 6-PT.	7/32"	2"
E030312	1/4" DP Socket - 6-PT.	1/4"	2"
E030313	1/4" DP Socket - 6-PT.	9/32"	2"
E030314	1/4" DP Socket - 6-PT.	5/16"	2"
E030315	1/4" DP Socket - 6-PT.	11/32"	2"
E030316	1/4" DP Socket - 6-PT.	3/8"	2"
E030605	1/4" Drive Pear Head Ratchet	-	-
E030937	3/8" Drive Socket - 6-PT.	8mm	1"
E030938	3/8" Drive Socket - 6-PT.	9mm	1"
E030939	3/8" Drive Socket - 6-PT.	10mm	1"
E030940	3/8" Drive Socket - 6-PT.	11mm	1"
E030941	3/8" Drive Socket - 6-PT.	12mm	1"
E030942	3/8" Drive Socket - 6-PT.	13mm	1"
E030943	3/8" Drive Socket - 6-PT.	14mm	1"
E030944	3/8" Drive Socket - 6-PT.	15mm	1"
E030946	3/8" Drive Socket - 6-PT.	17mm	1"
E030948	3/8" Drive Socket - 6-PT.	19mm	1"
E031201	3/8" Drive Standard Socket - 12-PT.	3/8"	1"
E031202	3/8" Drive Standard Socket - 12-PT.	7/16"	1"
E031203	3/8" Drive Standard Socket - 12-PT.	1/2"	1"
E031204	3/8" Drive Standard Socket - 12-PT.	9/16"	1"

PRODUCT #	DESCRIPTION	SIZE	OVERALL LENGTH
E034809-US	60-PC. 1/4" and 3/8" Drive Socket Set	- 6-PT. and 1	2-PT.
E031205	3/8" Drive Standard Socket - 12-PT.	5/8"	1"
E031206	3/8" Drive Standard Socket - 12-PT.	11/16"	1"
E031207	3/8" Drive Standard Socket - 12-PT.	3/4"	1"
E031208	3/8" Drive Standard Socket - 12-PT.	13/16"	1"
E031209	3/8" Drive Standard Socket - 12-PT.	7/8"	1"
E031301	3/8" AF Socket - 6-PT.	1/4"	1"
E031304	3/8" AF Socket - 6-PT.	3/8"	1"
E031401	3/8" DP Standard Socket - 12-PT.	3/8"	1"
E031402	3/8" DP Standard Socket - 12-PT.	7/16"	1"
E031403	3/8" DP Standard Socket - 12-PT.	1/2"	1"
E031404	3/8" DP Standard Socket - 12-PT.	9/16"	1"
E031405	3/8" DP Standard Socket - 12-PT.	5/8"	1"
E031406	3/8" DP Standard Socket - 12-PT.	11/16"	1"
E031706	3/8" Ratchet Steel Handle	-	-
E113771	1/4" Drive 2" Extension	-	2-5/32"
E113910	1/4" Drive Spin Handle	-	-
E117293	1/4" Drive PT Standard Socket - 6-PT.	4mm	1"
E117688	1/4" Drive PT Standard Socket - 6-PT.	4.5mm	1"
E117294	1/4" Drive PT Standard Socket - 6-PT.	5mm	1"
E117295	1/4" Drive PT Standard Socket - 6-PT.	5.5mm	1"
E117296	1/4" Drive PT Standard Socket - 6-PT.	6mm	1"
E117297	1/4" Drive PT Standard Socket - 6-PT.	7mm	1"
E117298	1/4" Drive PT Standard Socket - 6-PT.	8mm	1"
E117299	1/4" Drive PT Standard Socket - 6-PT.	9mm	1"
E117350	1/4" Drive PT Standard Socket - 6-PT.	10mm	1"
E117351	1/4" Drive PT Standard Socket - 6-PT.	11mm	1"
E117352	1/4" Drive PT Standard Socket - 6-PT.	12mm	1"
E117353	1/4" Drive PT Standard Socket - 6-PT.	13mm	1"
E117363	3/8" Drive Extension	-	3"

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E031812-US 56-PC. 3/8" DRIVE COMBINATION SOCKET SET - 6-PT.

- Innovative design to prevent fastener roundingChrome-plated vanadium-steel
- High visibility size marking for easy identification
- Bi-material handle ratchet

PRODUCT #	DESCRIPTION	SIZE	OVERALL Length
E031812-US	56-PC. 3/8" Drive Combination Sock	et Set - 6-P1	
E031706	3/8" Drive Pear Head Ratchet	-	7-53/64"
E113850	3/8" Drive Extension	5"	4-59/64"
E117363	3/8" Drive Extension	3"	2-61/64"
E117364	3/8" Drive Extension	10"	9-27/32"
E117367	3/8" Drive Universal Joint	-	1-5/32"
E117365	3/8" F x 1/4" M Adapter	-	1"
E117361	3/8" Drive Sliding T-Handle	-	-
E117366	3/8" F x 1/2" M Adapter	-	1-27/64"
E030935	3/8" Drive Metric Socket - 6-PT.	6	1"
E030936	3/8" Drive Metric Socket - 6-PT.	7	1"
E030937	3/8" Drive Metric Socket - 6-PT.	8	1"
E030938	3/8" Drive Metric Socket - 6-PT.	9	1"
E030939	3/8" Drive Metric Socket - 6-PT.	10	1"
E030940	3/8" Drive Metric Socket - 6-PT.	11	1"
E030941	3/8" Drive Metric Socket - 6-PT.	12	1"
E030942	3/8" Drive Metric Socket - 6-PT.	13	1"
E030943	3/8" Drive Metric Socket - 6-PT.	14	1"
E030944	3/8" Drive Metric Socket - 6-PT.	15	1"
E030945	3/8" Drive Metric Socket - 6-PT.	16	1"
E030946	3/8" Drive Metric Socket - 6-PT.	17	1"
E030947	3/8" Drive Metric Socket - 6-PT.	18	1"
E030948	3/8" Drive Metric Socket - 6-PT.	19	1"
E030949	3/8" Drive Metric Socket - 6-PT.	20	1-9/64"
E030950	3/8" Drive Metric Socket - 6-PT.	21	1-9/64"
E030951	3/8" Drive Metric Socket - 6-PT.	22	1-9/64"
E031302	3/8" Drive Socket - 6-PT.	5/16"	1"
E031304	3/8" Drive Socket - 6-PT.	3/8"	1"
E031305	3/8" Drive Socket - 6-PT.	7/16"	1"

PRODUCT #	DESCRIPTION	SIZE	OVERALL Length
E031812-US	56-PC. 3/8" Drive Combination Socke	et Set - 6-PT	
E031306	3/8" Drive Socket - 6-PT.	1/2"	1"
E031307	3/8" Drive Socket - 6-PT.	9/16"	1"
E031308	3/8" Drive Socket - 6-PT.	5/8"	1"
E031309	3/8" Drive Socket - 6-PT.	11/16"	1"
E031310	3/8" Drive Socket - 6-PT.	3/4"	1"
E031311	3/8" Drive Socket - 6-PT.	13/16"	1-9/64"
E031312	3/8" Drive Socket - 6-PT.	7/8"	1-9/64"
E031503	3/8" Drive Metric Deep Socket - 6-PT.	8	1-51/64"
E031504	3/8" Drive Metric Deep Socket - 6-PT.	9	1-51/64"
E031505	3/8" Drive Metric Deep Socket - 6-PT.	10	1-51/64"
E031506	3/8" Drive Metric Deep Socket - 6-PT.	11	1-51/64"
E031507	3/8" Drive Metric Deep Socket - 6-PT.	12	1-51/64"
E031508	3/8" Drive Metric Deep Socket - 6-PT.	13	1-51/64"
E031509	3/8" Drive Metric Deep Socket - 6-PT.	14	1-31/32"
E031510	3/8" Drive Metric Deep Socket - 6-PT.	15	2-3/32"
E031511	3/8" Drive Metric Deep Socket - 6-PT.	16	2-3/32"
E031512	3/8" Drive Metric Deep Socket - 6-PT.	17	2-13/64"
E031513	3/8" Drive Metric Deep Socket - 6-PT.	18	2-13/64"
E031514	3/8" Drive Metric Deep Socket - 6-PT.	19	2-13/64"
E031516	3/8" Drive Deep Socket - 6-PT.	3/8"	1-51/64"
E031517	3/8" Drive Deep Socket - 6-PT.	7/16"	1-51/64"
E031518	3/8" Drive Deep Socket - 6-PT.	1/2"	1-51/64"
E031519	3/8" Drive Deep Socket - 6-PT.	9/16"	1-51/64"
E031520	3/8" Drive Deep Socket - 6-PT.	5/8"	1-51/64"
E031521	3/8" Drive Deep Socket - 6-PT.	11/16"	2-13/64"
E031522	3/8" Drive Deep Socket - 6-PT.	3/4"	2-13/64"
E031314	3/8" Drive Spark Plug Socket	5/8"	
E031315	3/8" Drive Spark Plug Socket	13/16"	

SOCKETS AND SETS



E031811-US 34-PC. 3/8" DRIVE COMBINATION SOCKET SET - 6-PT.

- Innovative design prevents fastener rounding
- · High visibility size markings
- Bi-material handle ratchet

PRODUCT #	DESCRIPTION	SIZE	OVERALL LENGTH	SET
E031811-US	34-PC. 3/8" Drive Standard Socket Se	t - 6-PT.		
E031706	Pear Head Ratchet	-	7-53/64"	•
E113850	Extension	6"	4-59/64"	•
E117363	Extension	3"	2-61/64"	•
E117367	Universal Joint	-	1-5/32"	•
E117361	Sliding T-Handle	-	-	•
E031314	Spark Plug Socket	5/8"		•
E031315	Spark Plug Socket	13/16"		•
E030935	Metric Socket	6	1"	•
E030936	Metric Socket	7	1"	•
E030937	Metric Socket	8	1"	•
E030938	Metric Socket	9	1"	•
E030939	Metric Socket	10	1"	•
E030940	Metric Socket	11	1"	•
E030941	Metric Socket	12	1"	•
E030942	Metric Socket	13	1"	•
E030943	Metric Socket	14	1"	•
E030944	Metric Socket	15	1"	•
E030945	Metric Socket	16	1"	•
E030946	Metric Socket	17	1"	•
E030947	Metric Socket	18	1"	•
E030948	Metric Socket	19	1"	•
E030949	Metric Socket	20	1-9/64"	•
E030950	Metric Socket	21	1-9/64"	•
E030951	Metric Socket	22	1-9/64"	•
E031302	SAE Socket	5/16"	1"	•
E031304	SAE Socket	3/8"	1"	•
E031305	SAE Socket	7/16"	1"	•
E031306	SAE Socket	1/2"	1"	•
E031307	SAE Socket	9/16"	1"	•
E031308	SAE Socket	5/8"	1"	•
E031309	SAE Socket	11/16"	1"	•
E031310	SAE Socket	3/4"	1"	•
E031311	SAE Socket	13/16"	1-9/64"	•
E031312	SAE Socket	7/8"	1-9/64"	•



20-PC. 3/8" DRIVE METRIC STANDARD AND DEEP SOCKET SET - 6-PT.

- Innovative design prevents fastener rounding
- · High visibility size markings

PRODUCT #	DESCRIPTION	SIZE	OVERALL LENGTH	SET		
E034830-US	20-PC. 3/8" Drive Metric Standard an	20-PC. 3/8" Drive Metric Standard and Deep Socket Set - 6-PT.				
E031706	3/8" Drive Pear Head Ratchet	-	7-53/64"	•		
E117363	3/8" Drive Extension	-	3"	•		
E113850	3/8" Drive Extension	-	6"	•		
E030939	Metric Socket	10	1-1/64"	•		
E030940	Metric Socket	11	1-1/64"	•		
E030941	Metric Socket	12	1-1/64"	•		
E030942	Metric Socket	13	1-1/64"	•		
E030943	Metric Socket	14	1-1/64"	•		
E030944	Metric Socket	15	1-1/64"	•		
E030946	Metric Socket	17	1-1/64"	•		
E030948	Metric Socket	19	1-1/64"	•		
E030951	Metric Socket	22	1-9/64"	•		
E031505	Metric Deep Socket	10	1-51/64"	•		
E031506	Metric Deep Socket	11	1-51/64"	•		
E031507	Metric Deep Socket	12	1-51/64"	•		
E031508	Metric Deep Socket	13	1-51/64"	•		
E031509	Metric Deep Socket	14	1-31/32"	•		
E031510	Metric Deep Socket	15	2-3/32"	•		
E031512	Metric Deep Socket	17	2-13/64"	•		
E031514	Metric Deep Socket	19	2-13/64"	•		



E031804-US 15-PC. 3/8" DRIVE METRIC **DEEP SOCKET SET - 6-PT.**

- Innovative design prevents fastener rounding
- High visibility size markings





E031803 13-PC. 3/8" DRIVE SAE STANDARD SOCKET SET - 6-PT.

- Innovative design prevents fastener rounding
- High visibility size markings





SAE SOCKET SET - 12-PT.

- · Innovative design prevents fastener rounding
- High visibility size markings

PRODUCT#	DESCRIPTION	SIZE	OVERALL Length	SET
E034828	12-PC. 3/8" Drive S/	AE Socket S	et - 12-PT.	
E031201	SAE Socket	3/8"	1-1/64"	•
E031202	SAE Socket	7/16"	1-1/64"	•
E031203	SAE Socket	1/2"	1-1/64"	•
E031204	SAE Socket	9/16"	1-1/64"	•
E031205	SAE Socket	5/8"	1-1/64"	•
E031206	SAE Socket	11/16"	1-1/64"	•
E031207	SAE Socket	3/4"	1-1/64"	•
E031208	SAE Socket	13/16"	1-1/64"	•
E031209	SAE Socket	7/8"	1-1/64"	•
E031314	Spark Plug Socket	5/8"	1-1/64"	•
E031706	Steel Handle Ratchet	-	7-13/16"	•
E117363	Extension	-	2-15/16"	•



E034826 9-PC. 3/8" DRIVE METRIC SOCKET SET - 6-PT.

- Innovative design prevents fastener rounding
- · High visibility size markings

PRODUCT#	DESCRIPTION	SIZE	OVERALL LENGTH	SET
E034826	9-PC. 3/8" Drive Me	tric Socket	Set - G-PT.	
E030939	Metric Socket	10	1"	•
E030940	Metric Socket	11	1"	•
E030941	Metric Socket	12	1"	•
E030942	Metric Socket	13	1"	•
E030943	Metric Socket	14	1"	•
E030944	Metric Socket	15	1"	•
E030945	Metric Socket	16	1"	•
E030946	Metric Socket	17	1"	•
E030947	Metric Socket	18	1"	•

SOCKITES TIS 1/2" DRIVE SOCKETS AND SETS



E032900-US

22-PC. 1/2" DRIVE METRIC SOCKET SET - 6-PT.

- · Innovative design prevents fastener rounding
- High visibility size markings
- · Bi-material handle ratchet





E034836 10-PC. 1/2" DRIVE SAE SOCKET SET - 6-PT.

PRODUCT #	DESCRIPTION	SIZE	OVERALL LENGTH	SET
E034836	10-PC. 1/2" Drive SAI	Socket Se	t - 6-PT.	
E032414	SAE Socket	3/8"	1-1/2"	•
E032413	SAE Socket	7/16	1-1/2"	•
E032403	SAE Socket	1/2"	1-1/2"	•
E032404	SAE Socket	9/16"	1-1/2"	•
E032405	SAE Socket	5/8"	1-1/2"	•
E032406	SAE Socket	11/16"	1-1/2"	•
E032407	SAE Socket	3/4"	1-1/2"	•
E032408	SAE Socket	13/16"	1-1/2"	•
E032409	SAE Socket	7/8"	1-1/2"	•
E032415	SAE Socket	15/16"	1-1/2"	•



E034837 10-PC. 1/2" DRIVE METRIC SOCKET SET - 6-PT.

PRODUCT #	DESCRIPTION	SIZE	OVERALL LENGTH	SET
E034837	10-PC. 1/2" Drive N	/letric Soci	ket Set - 6-PT.	
E117087	Metric Socket	9	1-1/2"	•
E117088	Metric Socket	10	1-1/2"	•
E117089	Metric Socket	11	1-1/2"	•
E117090	Metric Socket	12	1-1/2"	•
E117091	Metric Socket	13	1-1/2"	•
E117092	Metric Socket	14	1-1/2"	•
E117093	Metric Socket	15	1-1/2"	•
E117095	Metric Socket	17	1-1/2"	•
E117096	Metric Socket	18	1-1/2"	•
E117097	Metric Socket	19	1-1/2"	•



E034808 88-PC. 1/4", 3/8", 1/2" DRIVE SOCKET SET - 6-PT. AND 12-PT.

- Innovative design to prevent fastener roundingHigh visibility size marking for easy identification

PRODUCT #	DESCRIPTION	SIZE	OVERALL LENGTH
E032900	88-PC. 1/4", 3/8", 1/2" Drive Socket Set - 6-F	T. and 12-PT.	
E030301	1/4" Drive Standard Socket - 6-PT.	3/16"	1"
E030302	1/4" Drive Standard Socket - 6-PT.	7/32"	1"
E030303	1/4" Drive Standard Socket - 6-PT.	1/4"	1"
E030304	1/4" Drive Standard Socket - 6-PT.	9/32"	1"
E030305	1/4" Drive Standard Socket - 6-PT.	5/16"	1"
E030306	1/4" Drive Standard Socket - 6-PT.	11/32"	1"
E030307	1/4" Drive Standard Socket - 6-PT.	3/8"	1"
E030308	1/4" Drive Standard Socket - 6-PT.	7/16"	1"
E030309	1/4" Drive Standard Socket - 6-PT.	1/2"	1"
E030310	1/4" DP Socket - 6-PT.	3/16"	1-15/16"
E030312	1/4" DP Socket - 6-PT.	1/4"	1-15/16"
E030313	1/4" DP Socket - 6-PT.	9/32"	1-15/16"
E030314	1/4" DP Socket - 6-PT.	5/16"	1-15/16"
E030319	1/4" Drive Standard Socket - 6-PT.	5/32"	5-1/2"
E030605	1/4" Drive Pear-Head Ratchet	-	1"
E030938	3/8" Drive Socket - 6-PT.	9mm	1"
E030939	3/8" Drive Socket - 6-PT.	10mm	1"
E030940	3/8" Drive Socket - 6-PT.	11mm	1"
E030941	3/8" Drive Socket - 6-PT.	12mm	1"
E030942	3/8" Drive Socket - 6-PT.	13mm	1"
E030943	3/8" Drive Socket - 6-PT.	14mm	1"
E030944	3/8" Drive Socket - 6-PT.	15mm	1"
E030946	3/8" Drive Socket - 6-PT.	17mm	1"
E030948	3/8" Drive Socket - 6-PT.	19mm	1"
E031201	3/8" Drive Standard Socket - 12-PT.	3/8"	1"
E031202	3/8" Drive Standard Socket - 12-PT.	7/16"	1"
E031203	3/8" Drive Standard Socket - 12-PT.	1/2"	1"
E031204	3/8" Drive Standard Socket - 12-PT.	9/16"	1"
E031205	3/8" Drive Standard Socket - 12-PT.	5/8"	1"
E031206	3/8" Drive Standard Socket - 12-PT.	11/16"	1"
E031207	3/8" Drive Standard Socket - 12-PT.	3/4"	1"
E031208	3/8" Drive Standard Socket - 12-PT.	13/16"	1"
E031304	3/8" AF Socket - 6-PT.	3/8"	1"
E031305	3/8" AF Socket - 6-PT.	7/16"	1"
E031306	3/8" AF Socket - 6-PT.	1/2"	1"
E031307	3/8" AF Socket - 6-PT.	9/16"	1"
E031308	3/8" AF Socket - 6-PT.	5/8"	1"
E031309	3/8" AF Socket - 6-PT.	11/16"	1"
E031311	3/8" AF Socket - 6-PT.	13/16"	1"
E031314	3/8" Spark Plug - 6-PT.	5/8"	2-5/32"
E031315	3/8" Spark Plug - 6-PT.	13/16"	2-5/32"
E031401	3/8" Drive DP Standard Socket - 12-PT.	3/8"	1-25/32"
E031402	3/8" Drive DP Standard Socket - 12-PT.	7/16"	1"
E031403	3/8" Drive DP Standard Socket - 12-PT.	1/2"	1"
E031404	3/8" Drive DP Standard Socket - 12-PT.	9/16"	1"

PRODUCT #	DESCRIPTION	SIZE	OVERALL LENGTH
E032900	88-PC. 1/4", 3/8", 1/2" Drive Socket Set - 6-PT. an	d 12-PT.	
E031706	3/8" Drive Ratchet Steel Handle	-	7-13/16"
E032403	1/2" Drive Socket - 6-PT.	1/2"	1"
E032404	1/2" Drive Socket - 6-PT.	9/16"	1"
E032405	1/2" Drive Socket - 6-PT.	5/8"	1"
E032406	1/2" Drive Socket - 6-PT.	11/16"	1"
E032407	1/2" Drive Socket - 6-PT.	3/4"	1"
E032408	1/2" Drive Socket - 6-PT.	13/16"	1"
E032409	1/2" Drive Socket - 6-PT.	7/8"	1"
E032808	1/2" Full Pear Head Ratchet	-	9-13/16"
E113740	1/4" Drive Standard Socket - 12-PT.	3/16"	1"
E113741	1/4" Drive Standard Socket - 12-PT.	7/32"	1"
E113742	1/4" Drive Standard Socket - 12-PT.	1/4"	1"
E113743	1/4" Drive Standard Socket - 12-PT.	9/32"	1"
E113744	1/4" Drive Standard Socket - 12-PT.	5/16"	1"
E113745	1/4" Drive Standard Socket - 12-PT.	11/32"	1"
E113746	1/4" Drive Standard Socket - 12-PT.	3/8"	1"
E113748	1/4" Drive Standard Socket - 12-PT.	7/16"	1"
E113749	1/4" Drive Standard Socket - 12-PT.	1/2"	1"
E113771	1/4" Drive Extension	-	2"
E113832	3/8" Drive Standard Socket - 12-PT.	9mm	1"
E113833	3/8" Drive Standard Socket - 12-PT.	10mm	1"
E113834	3/8" Drive Standard Socket - 12-PT.	11mm	1"
E113835	3/8" Drive Standard Socket - 12-PT.	12mm	1"
E113836	3/8" Drive Standard Socket - 12-PT.	13mm	1"
E113837	3/8" Drive Standard Socket - 12-PT.	14mm	1"
E113838	3/8" Drive Standard Socket - 12-PT.	15mm	1"
E113839	3/8" Drive Standard Socket - 12-PT.	16mm	1"
E113840	3/8" Drive Standard Socket - 12-PT.	17mm	1"
E113842	3/8" Drive Standard Socket - 12-PT.	19mm	1"
E117260	1/2" Drive Extension	_	5"
E117293	1/4" Drive Standard Socket - 6-PT.	4mm	1"
E117688	1/4" Drive Standard Socket - 6-PT.	4.5mm	1"
E117294	1/4" Drive Standard Socket - 6-PT.	5mm	1"
E117295	1/4" Drive Standard Socket - 6-PT.	5.5mm	1"
E117296	1/4" Drive Standard Socket - 6-PT.	6mm	1"
E117297	1/4" Drive Standard Socket - 6-PT.	7mm	1"
E117298	1/4" Drive Standard Socket - 6-PT.	8mm	1"
E117299	1/4" Drive Standard Socket - 6-PT.	9mm	1"
E117350	1/4" Drive Standard Socket - 6-PT.	10mm	1"
E117351	1/4" Drive Standard Socket - 6-PT.	11mm	1"
E117352	1/4" Drive Standard Socket - 6-PT.	12mm	1"
E117353	1/4" Drive Standard Socket - 6-PT.	13mm	1"
E117363	3/8" Drive Extension	_	2-15/16"







E131702 32-PC. 1/4" BIT SET

INCLUDES:

- (4) Slotted Bits: 4, 5.5, 6.5, and 8mm
- (3) Phillips® Bits: PH1, PH2, and PH3
- (3) Pozidriv® Bits: PZ1, PZ2, and PZ3
- (9) Torx® Bits: T8, T10, T15, T20x2, T25x2, T30, and T40
- (7) ResisTorx[®] Bits: T10, T15, T20, T25, T27, T30, and T40
- (4) Hex Bits: 3, 4, 5, and 6mm
- (1) Mini 1/4" Hex Bit Ratchet
- (1) Magnetic Bit Holder with Locking Ring





E131701 49-PC. 1/4" BIT SET

INCLUDES

- (6) Slotted Bits: 4, 4.5, 5.5, 6.5x2, and 8mm
- (6) Phillips® Bits: PH1x2, PH2x3, and PH3
- [7] Pozidriv® Bits: PZ1x2, PZ2x3, and PZ3x2
- (10) Torx[®] Bits: T10x2, T15x2, T20x2, T25x2, and T30x2
- (10) ResisTorx® Bits: T10, T15x2, T20x2, T25x2, T30x2, and T40
- (9) Hex Bits: 2, 3x2, 4x2, 5x2, and 6x2mm
- [1] Magnetic Bit Holder with Locking Ring

Phillips" is a trademark of Phillips Screw Company | Pozidriv" is a trademark of Phillips Scr Torx" is a trademark of Acumen Intellectual Properties, LLC

1/12/4 GTLS O GK TELS TIS 1/4" DRIVE IMPACT SOCKETS AND SETS

E041644

6-PC. 1/4" DRIVE SAE UNIVERSAL IMPACT SOCKET SET 6-PT.

- Through hole for retaining ring and/or pin
- Forged molybdenum steel
- · Laser engraved and color filled markings

PRODUCT#	SIZE	OVERALL LENGTH	SET
E041644	6-PC. 1/4" Drive SAE L	Jniversal Impact Socket Set 6	-PT.
E041811	1/4"	2"	•
E041812	5/16"	2"	•
E041813	3/8"	2"	•
E041814	7/16"	2"	•
E041815	1/2"	2-1/2"	•
E041816	9/16"	2-1/2"	•
EXRAIL6	Soc	cket Rail	•



E041645

12-PC. 1/4" DRIVE METRIC UNIVERSAL IMPACT SOCKET SET 6-PT.

- Through hole for retaining ring and/or pin
- Forged molybdenum steel
- · Laser engraved and color filled markings

PRODUCT#	SIZE	OVERALL LENGTH	SET
E041645	12-PC. 1/4" Drive Met	ric Universal Impact Set	6-PT.
E041715	5mm	2"	•
E041716	5.5mm	2"	•
E041717	6mm	2"	•
E041718	7mm	2"	•
E041719	8mm	2"	•
E041720	9mm	2"	•
E041721	10mm	2"	•
E041722	11mm	2"	•
E041723	12mm	2-1/2"	•
E041724	13mm	2-1/2"	•
E041725	14mm	2-1/2"	•
E041726	15mm	2-1/2"	•
EXRAIL10	Socke	et Rail	•



IMPACT SOCKET SETS 1/4" DRIVE IMPACT SOCKETS AND SETS



48-PC. 1/4" DRIVE COMBINATION **IMPACT SOCKET SET - 6-PT.**

- Through hole for retaining ring and/or pin
- · Forged molybdenum steel
- · Laser engraved and color filled markings

PRODUCT#	DRIVE	DESCRIPTION	SIZE	OVERALL Length	SET
E041642	48-PC.	1/4" Drive Combination I	mpact So	cket Set - (G-PT.
E041801	1/4"	SAE Impact Socket - 6-PT.	3/16"	29/32"	•
E041802	1/4"	SAE Impact Socket - 6-PT.	7/32"	29/32"	•
E041803	1/4"	SAE Impact Socket - 6-PT.	1/4"	29/32"	•
E041804	1/4"	SAE Impact Socket - 6-PT.	9/32"	29/32"	•
E041805	1/4"	SAE Impact Socket - 6-PT.	5/16"	29/32"	•
E041806	1/4"	SAE Impact Socket - 6-PT.	11/32"	29/32"	•
E041807	1/4"	SAE Impact Socket - 6-PT.	3/8"	29/32"	•
E041808	1/4"	SAE Impact Socket - 6-PT.	7/16"	29/32"	•
E041809	1/4"	SAE Impact Socket - 6-PT.	1/2"	29/32"	•
E041810	1/4"	SAE Impact Socket - 6-PT.	9/16"	29/32"	•
E041701	1/4"	Metric Impact Socket - 6-PT.	4	29/32"	•
E041702	1/4"	Metric Impact Socket - 6-PT.	4.5	29/32"	•
E041703	1/4"	Metric Impact Socket - 6-PT.	5	29/32"	•
E041704	1/4"	Metric Impact Socket - 6-PT.	5.5	29/32"	•
E041705	1/4"	Metric Impact Socket - 6-PT.	6	29/32"	•
E041706	1/4"	Metric Impact Socket - 6-PT.	7	29/32"	•

PRODUCT#	DRIVE	DESCRIPTION	SIZE	OVERALL Length	SET
E041642	48-PC.	1/4" Drive Combination I	mpact So	cket Set - I	6-PT.
E041707	1/4"	Metric Impact Socket - 6-PT.	8	29/32"	•
E041708	1/4"	Metric Impact Socket - 6-PT.	9	29/32"	•
E041709	1/4"	Metric Impact Socket - 6-PT.	10	29/32"	•
E041710	1/4"	Metric Impact Socket - 6-PT.	11	29/32"	•
E041711	1/4"	Metric Impact Socket - 6-PT.	12	29/32"	•
E041712	1/4"	Metric Impact Socket - 6-PT.	13	29/32"	•
E041713	1/4"	Metric Impact Socket - 6-PT.	14	29/32"	•
E041714	1/4"	Metric Impact Socket - 6-PT.	15	29/32"	•
E042001	1/4"	SAE Deep Impact - 6-PT.	3/16"	1"	•
E042002	1/4"	SAE Deep Impact - 6-PT.	7/32"	1"	•
E042003	1/4"	SAE Deep Impact - 6-PT.	1/4"	1"	•
E042004	1/4"	SAE Deep Impact - 6-PT.	9/32"	1"	•
E042005	1/4"	SAE Deep Impact - 6-PT.	5/16"	1"	•
E042006	1/4"	SAE Deep Impact - 6-PT.	11/32"	1"	•
E042007	1/4"	SAE Deep Impact - 6-PT.	3/8"	1"	•
E042008	1/4"	SAE Deep Impact - 6-PT.	7/16"	1"	•
E042009	1/4"	SAE Deep Impact - 6-PT.	1/2"	1"	•

PRODUCT#	DRIVE	DESCRIPTION	SIZE	OVERALL Length	SET
E041642	48-PC.	1/4" Drive Combination I	mpact So	cket Set - I	6-PT.
E042010	1/4"	SAE Deep Impact - 6-PT.	9/16"	1"	•
E041901	1/4"	Metric Deep Impact - 6-PT.	4	1"	•
E041902	1/4"	Metric Deep Impact - 6-PT.	4.5	1"	•
E041903	1/4"	Metric Deep Impact - 6-PT.	5	1"	•
E041904	1/4"	Metric Deep Impact - 6-PT.	5.5	1"	•
E041905	1/4"	Metric Deep Impact - 6-PT.	6	1"	•
E041906	1/4"	Metric Deep Impact - 6-PT.	7	1"	•
E041907	1/4"	Metric Deep Impact - 6-PT.	8	1"	•
E041908	1/4"	Metric Deep Impact - 6-PT.	9	1"	•
E041909	1/4"	Metric Deep Impact - 6-PT.	10	1"	•
E041910	1/4"	Metric Deep Impact - 6-PT.	11	1"	•
E041911	1/4"	Metric Deep Impact - 6-PT.	12	1"	•
E041912	1/4"	Metric Deep Impact - 6-PT.	13	1"	•
E041913	1/4"	Metric Deep Impact - 6-PT.	14	1"	•
E041914	1/4"	Metric Deep Impact - 6-PT.	15	1"	•
EXTRAY22-3	3.5	Socket F	Rail		•

3/8" DRIVE IMPACT SOCKETS AND SETS



42-PC. 3/8" DRIVE COMBINATION

- Through hole for retaining ring and/or pin
- Forged molybdenum steel
- Laser-engraved and color-filled markings

PRODUCT #	DESCRIPTION	SIZE	OVERALL Length	SET
E041643	42-PC. 3/8" Drive Combination Impact	Socket Set - 6	-PT.	
E040506	3/8" Drive Impact Extension	-	3"	•
E040509	3/8" Drive Impact Universal Joint	-	1-63/64"	•
E040203	3/8" Drive Impact Socket - 6-PT.	5/16"	1-5/32"	•
E040204	3/8" Drive Impact Socket - 6-PT.	3/8"	1-5/32"	•
E040206	3/8" Drive Impact Socket - 6-PT.	1/2"	1-5/32"	•
E040207	3/8" Drive Impact Socket - 6-PT.	9/16"	1-5/32"	•
E040208	3/8" Drive Impact Socket - 6-PT.	5/8"	1-3/16"	•
E040209	3/8" Drive Impact Socket - 6-PT.	11/16"	1-3/16"	•
E040210	3/8" Drive Impact Socket - 6-PT.	3/4"	1-3/16"	•
E040101	3/8" Drive Metric Impact Socket - 6-PT.	8	1-5/32"	•
E040102	3/8" Drive Metric Impact Socket - 6-PT.	9	1-5/32"	•
E040103	3/8" Drive Metric Impact Socket - 6-PT.	10	1-5/32"	•
E040104	3/8" Drive Metric Impact Socket - 6-PT.	11	1-5/32"	•
E040105	3/8" Drive Metric Impact Socket - 6-PT.	12	1-5/32"	•
E040106	3/8" Drive Metric Impact Socket - 6-PT.	13	1-5/32"	•
E040107	3/8" Drive Metric Impact Socket - 6-PT.	14	1-5/32"	•
E040110	3/8" Drive Metric Impact Socket - 6-PT.	15	1-5/32"	•
E040111	3/8" Drive Metric Impact Socket - 6-PT.	16	1-3/16"	•
E040108	3/8" Drive Metric Impact Socket - 6-PT.	17	1-3/16"	•
E040112	3/8" Drive Metric Impact Socket - 6-PT.	18	1-3/16"	•
E040109	3/8" Drive Metric Impact Socket - 6-PT.	19	1-3/16"	•

PRODUCT #	DESCRIPTION	SIZE	OVERALL Length	SET
E041643	42-PC. 3/8" Drive Combination Impact	Socket Set - 6	i-PT.	
E040401	3/8" Drive Deep Impact Socket - 6-PT.	5/16"	2-31/64"	•
E040402	3/8" Drive Deep Impact Socket - 6-PT.	3/8"	2-31/64"	•
E040403	3/8" Drive Deep Impact Socket - 6-PT.	7/16"	2-31/64"	•
E040404	3/8" Drive Deep Impact Socket - 6-PT.	1/2"	2-31/64"	•
E040405	3/8" Drive Deep Impact Socket - 6-PT.	9/16"	2-31/64"	•
E040406	3/8" Drive Deep Impact Socket - 6-PT.	5/8"	2-31/64"	•
E040407	3/8" Drive Deep Impact Socket - 6-PT.	11/16"	2-31/64"	•
E040408	3/8" Drive Deep Impact Socket - 6-PT.	3/4"	2-31/64"	•
E040301	3/8" Drive Metric Deep Impact Socket - 6-PT.	8	2-31/64"	•
E040302	3/8" Drive Metric Deep Impact Socket - 6-PT.	9	2-31/64"	•
E040303	3/8" Drive Metric Deep Impact Socket - 6-PT.	10	2-31/64"	•
E040304	3/8" Drive Metric Deep Impact Socket - 6-PT.	11	2-31/64"	•
E040305	3/8" Drive Metric Deep Impact Socket - 6-PT.	12	2-31/64"	•
E040306	3/8" Drive Metric Deep Impact Socket - 6-PT.	13	2-31/64"	•
E040307	3/8" Drive Metric Deep Impact Socket - 6-PT.	14	2-31/64"	•
E040308	3/8" Drive Metric Deep Impact Socket - 6-PT.	15	2-31/64"	•
E040309	3/8" Drive Metric Deep Impact Socket - 6-PT.	16	2-31/64"	•
E040310	3/8" Drive Metric Deep Impact Socket - 6-PT.	17	2-31/64"	•
E040311	3/8" Drive Metric Deep Impact Socket - 6-PT.	18	2-31/64"	•
E040312	3/8" Drive Metric Deep Impact Socket - 6-PT.	19	2-31/64"	•
EXTRAY22-3.5	Socket Rail			•

COMBINATION DRIVE IMPACT SOCKETS AND SETS



3/8" COMBINATION STUBBY IMPACT SOCKET SET - 6-PT.

- Innovative design to prevent fastener rounding
- High visibility size marking for easy identification

PRODUCT #	SIZE	OVERALL LENGTH IN. /MM		SET	
E041656	20-PC. 3/8" Impact Soci	Drive Combination Stubby cet Set - 6-PT.	ı		
E041659		Drive Metric Stubby cet Set - G-PT.			
E041658	8-PC. 3/8" I Impact Soci	Drive SAE Stubby cet Set - G-PT.			
E041753	8mm	1-1/8" / 28.58		•	•
E041754	9mm	1-1/8" / 28.58		•	•
E041755	10mm	1-1/8" / 28.58		•	•
E041756	11mm	1-1/8" / 28.58		•	•
E041757	12mm	1-1/8" / 28.58		•	•
E041758	13mm	1-1/8" / 28.58		•	•
E041759	14mm	1-1/8" / 28.58		•	•
E041760	15mm	1-1/8" / 28.58		•	•
E041761	16mm	1-1/8" / 28.58		•	•
E041762	17mm	1-1/8" / 28.58		•	•
E041763	18mm	1-1/8" / 28.58		•	•
E041764	19mm	1-1/8" / 28.58		•	•
E041765	5/16"	1-1/8" / 28.58	•		•
E041766	3/8"	1-1/8" / 28.58	•		•
E041767	7/16"	1-1/8" / 28.58	•		•
E041768	1/2"	1-1/8" / 28.58	•		•
E041769	9/16"	1-1/8" / 28.58	•		•
E041770	5/8"	1-1/8" / 28.58	•		•
E041771	11/16"	1-1/8" / 28.58	•		•
E041772	3/4"	1-1/8" / 28.58	•		•
EXRAIL10		Socket Rail	•		
EXRAIL13		Socket Rail		•	
EXRAIL19X7-2		Socket Rail			•

E041662 41-PC. COMBINATION STUBBY IMPACT DRIVER SET

- Innovative design to prevent fastener rounding
- High visibility size marking for easy identification

PRODUCT #	DRIVE	SIZE	DESCRIPTION	
E041662	41-PC. C	ombination	Stubby Impact Driver Set	
E041648	1/4"	T8	Stubby Impact Torx®	•
E041649	1/4"	T10	Stubby Impact Torx®	•
E041650	1/4"	T15	Stubby Impact Torx®	•
E041651	1/4"	T20	Stubby Impact Torx®	•
E041663	1/4"	T25	Stubby Impact Torx®	•
E041664	1/4"	T27	Stubby Impact Torx®	•
E041665	1/4"	T30	Stubby Impact Torx®	•
E041673	1/4"	6mm	Stubby Impact Hex Driver	•
E041674	1/4"	7mm	Stubby Impact Hex Driver	•
E041675	1/4"	8mm	Stubby Impact Hex Driver	•
E041676	1/4"	10mm	Stubby Impact Hex Driver	•
E041677	1/4"	12mm	Stubby Impact Hex Driver	•
E041678	1/4"	14mm	Stubby Impact Hex Driver	•
E041682	1/4"	1/4"	Stubby Impact Hex Driver	•
E041683	1/4"	5/16"	Stubby Impact Hex Driver	•
E041684	1/4"	3/8"	Stubby Impact Hex Driver	•
E041691	1/4"	4mm	Stubby Impact Hex Driver	•
E041692	1/4"	5mm	Stubby Impact Hex Driver	•
E041693	1/4"	6mm	Stubby Impact Hex Driver	•
E041694	1/4"	8mm	Stubby Impact Hex Driver	•



PRODUCT #	DRIVE	SIZE	DESCRIPTION	
E041662	41-PC. Co	ombination	Stubby Impact Driver Set	
E041666	3/8"	T40	Stubby Impact Torx®	•
E041667	3/8"	T45	Stubby Impact Torx®	•
E041668	3/8"	T47	Stubby Impact Torx®	•
E041669	3/8"	T50	Stubby Impact Torx®	•
E041679	3/8"	17mm	Stubby Impact Hex Driver	•
E041680	3/8"	18mm	Stubby Impact Hex Driver	•
E041681	3/8"	19mm	Stubby Impact Hex Driver	•
E041685	3/8"	7/16"	Stubby Impact Hex Driver	•
E041686	3/8"	1/2"	Stubby Impact Hex Driver	•
E041687	3/8"	9/16"	Stubby Impact Hex Driver	•
E041688	3/8"	5/8"	Stubby Impact Hex Driver	•
E041689	3/8"	11/16"	Stubby Impact Hex Driver	•
E041690	3/8"	3/4"	Stubby Impact Hex Driver	•
E041695	3/8"	10mm	Stubby Impact Triple Square Driver	•
E041696	3/8"	12mm	Stubby Impact Triple Square Driver	•
E041697	3/8"	14mm	Stubby Impact Triple Square Driver	•
E041698	1/2"	16mm	Stubby Impact Tamper- Resistant Triple Square	•
E041699	1/2"	18mm	Stubby Impact Tamper- Resistant Triple Square	•
E041670	1/2"	T55	Stubby Impact Torx®	•
E041671	1/2"	T60	Stubby Impact Torx®	•

Stubby Impact Torx®

E041672



E041628

12-PC. 3/8" DRIVE SAE UNIVERSAL DEEP **IMPACT SOCKET SET 6-PT.**

- Through hole for retaining ring and/or pin
- Forged molybdenum steel
- · Laser engraved and color filled markings

PRODUCT #	SIZE	OVERALL LENGTH IN. /MM	
E041628		rive SAE Universal ocket Set G-PT.	
E040415	5/16"	2-1/2" / 63.5	•
E040416	3/8"	2-1/2" / 63.5	•
E040417	7/16"	2-1/2" / 63.5	•
E040418	1/2"	2-1/2" / 63.5	•
E040419	9/16"	2-1/2" / 63.5	•
E040420	5/8"	2-1/2" / 63.5	•
E040421	11/16"	2-1/2" / 63.5	•
E040422	3/4"	2-1/2" / 63.5	•
E040423	13/16"	2-1/2" / 63.5	•
E040424	7/8"	2-1/2" / 63.5	•
E040425	15/16"	2-1/2" / 63.5	•
E040426	1"	2-1/2" / 63.5	•
EXRAIL13		Socket Rail	•



E041627

12-PC. 3/8" DRIVE **METRIC UNIVERSAL DEEP IMPACT SOCKET SET - 6-PT.**

- · Through hole for retaining ring and/or pin
- Forged molybdenum steel
- · Laser engraved and color filled markings

PRODUCT#	SIZE	OVERALL LENGTH In./mm			
E041627		12-PC. 3/8" Drive MM Universal Deep Impact Socket Set 6-PT.			
E040317	8mm	2-1/2" / 63.5	•		
E040318	9mm	2-1/2" / 63.5	•		
E040319	10mm	2-1/2" / 63.5	•		
E040320	11mm	2-1/2" / 63.5	•		
E040321	12mm	2-1/2" / 63.5	•		
E040322	13mm	2-1/2" / 63.5	•		
E040323	14mm	2-1/2" / 63.5	•		
E040324	15mm	2-1/2" / 63.5	•		
E040325	16mm	2-1/2" / 63.5	•		
E040326	17mm	2-1/2" / 63.5	•		
E040327	18mm	2-1/2" / 63.5	•		
E040328	19mm	2-1/2" / 63.5	•		
EXRAIL13		Socket Rail	•		



E041510

3-PC. UNIVERSAL **IMPACT JOINT - PINLESS**

- Forged molybdenum steel
- · Laser engraved and color filled markings

PRODUCT #	SIZE	
E041510	3-PC. Universal Impact Joint - Pinless	
E041511	1/4"	•
E041512	3/8"	•
E041513	1/2"	•



E041504 **IMPACT MAGNETIC SOCKET ADAPTERS**

PRODUCT #	DRIVE SIZE	OVERALL LENGTH
E041505	1/4" F x 3/8" M	1"
E041506	3/8" F x 1/2" M	1-1/4"
E041507	1/2" F x 3/4" M	1-5/8"



E113450

5-PC. 3/8" DRIVE **IMPACT EXTENSION AND UNIVERSAL JOINT KIT**

- · High strength alloy steel for long lasting durability
- · Sprung-ball retainer secures socket to extension or universal-joint, while still allowing for quick and easy socket changes

PRODUCT #	SIZE DESCRIPTION				
E113450		5-PC. 3/8" Drive Impact Extension and Universal Joint Kit			
E113451	3/8"	1-3/4" Impact Extension	•		
E113452	3/8"	3/8" 3" Impact Extension			
E113453	3/8"	3/8" 6" Impact Extension			
E113454	3/8"	12" Impact Extension	•		
E113455	3/8"	Universal Impact Joint	•		



E113500

6-PC. IMPACT UNIVERSAL **EXTENSION SET**

- Forged from chromoly steel
- · Pinless-joint design prevents binding
- Wide range of motion allows fasteners to be reached from a variety of angles
- Ball detent secures connection between extension and socket

PRODUCT #	SIZE	OVERALL LENGTH In. /mm	
E113500	6-PC. Impact l	Iniversal Extension Set	
E113501	1/4"	6"	•
E113502	1/4"	12"	•
E113503	3/8"	6"	•
E113504	3/8"	12"	•
E113505	1/2"	6"	•
E113506	1/2"	12"	•

11/12/16/15/06/17/15/7/5



E041631 12-PC. 3/8" DRIVE SAE IMPACT SOCKET SET - 6-PT.

PRODUCT #	SIZE	OVERALL LENGTH	SET	
E041631	12-PC. 3/8" Dri	ve SAE Impact Socket Set	- 6-PT.	
E040203	5/16"	1-5/32"	•	
E040204	3/8"	1-5/32"	•	
E040205	7/16"	1-5/32"	•	
E040206	1/2"	1-5/32"	•	
E040207	9/16"	1-5/32"	•	
E040208	5/8"	1-3/16"	•	
E040209	11/16"	1-3/16"	•	
E040210	3/4"	1-3/16"	•	
E040211	13/16"	1-3/16"	•	
E040212	7/8"	1-3/16"	•	
E040213	15/16"	1-3/16"	•	
E040214	1"	1-3/16"	•	
EXRAIL20	S	Socket Rail		

E041629 13-PC. 3/8" DRIVE METRIC IMPACT SOCKET SET - 6-PT.

PRODUCT #	SIZE [MM]	OVERALL LENGTH	SET
E041629	13-PC. 3/8" Dri	ve Metric Impact Socket Set	- 6-PT.
E040114	7	1-5/32"	•
E040101	8	1-5/32"	•
E040102	9	1-5/32"	•
E040103	10	1-5/32"	•
E040104	11	1-5/32"	•
E040105	12	1-5/32"	•
E040106	13	1-5/32"	•
E040107	14	1-5/32"	•
E040110	15	1-5/32"	•
E040111	16	1-3/16"	•
E040108	17	1-3/16"	•
E040112	18	1-3/16"	•
E040109	19	1-3/16"	•
E040115	20	1-3/16"	
E040116	21	1-3/16"	
E040117	22	1-3/16"	
EXRAIL13		Socket Rail	•



E041632 12-PC. 3/8" DRIVE SAE DEEP IMPACT SOCKET SET - 6-PT.

PRODUCT #	SIZE	OVERALL LENGTH	SET
E041632	12-PC. 3/8" Drive SA	E Deep Impact Socket Se	t - 6-PT.
E040401	5/16"	2-31/64"	•
E040402	3/8"	2-31/64"	•
E040403	7/16"	2-31/64"	•
E040404	1/2"	2-31/64"	•
E040405	9/16"	2-31/64"	•
E040406	5/8"	2-31/64"	•
E040407	11/16"	2-31/64"	•
E040408	3/4"	2-31/64"	•
E040409	13/16"	2-31/64"	•
E040410	7/8"	2-31/64"	•
E040412	15/16"	2-31/64"	•
E040413	1"	2-31/64"	•
EXRAIL13	Sock	•	



12-PC. 3/8" DRIVE METRIC DEEP **IMPACT SOCKET SET - 6-PT.**

PRODUCT #	SIZE [MM]	OVERALL LENGTH	SET	
E041630	12-PC. 3/8" Drive I Impact Socket Set			
E040313	7	2-31/64"		
E040301	8	2-31/64"	•	
E040302	9	2-31/64"	•	
E040303	10	2-31/64"	•	
E040304	11	2-31/64"	•	
E040305	12 2-31/64"		•	
E040306	13	2-31/64"	•	
E040307	14	2-31/64"	•	
E040308	15	2-31/64"	•	
E040309	16	2-31/64"	•	
E040310	17	2-31/64"	•	
E040311	18	2-31/64"	•	
E040312	19	2-31/64"	•	
E040314	20	2-31/64"		
E040315	21	2-31/64"		
E040316	22	2-31/64"		
EXRAIL13	Socket Rail			

E041635 10-PC. 3/8" DRIVE METRIC UNIVERSAL SOCKET SET - 6-PT. UNIVERSAL SOCKET SET - 6-PT.

PRODUCT #	SIZE [MM]	OVERALL LENGTH	SET
E041635	10-PC. 3/8" Drive	Metric Universal Socket Set	- 6-PT.
E040123	10	2-11/16"	•
E040124	11	2-11/16"	•
E040125	12	2-11/16"	•
E040126	13	2-11/16"	•
E040127	14	2-11/16"	•
E040128	15	2-11/16"	•
E040129	16	2-11/16"	•
E040130	17	2-11/16"	•
E040131	18	2-11/16"	•
E040132	19	2-11/16"	•
EXRAIL13	So	•	

E041634 12-PC. 3/8" DRIVE SAE

CITIVE	HOAL OU	CKEI SEI -	U-F I
PRODUCT #	SIZE	OVERALL LENGTH	SET
E041634	12-PC. 3/8" Drive	e SAE Universal Socket Set	- 6-PT.
E040227	5/16"	2-11/64"	•
E040215	3/8"	2-11/64"	•
E040216	7/16"	2-11/64"	•
E040218	1/2"	2-11/64"	•
E040217	9/16"	2-11/64"	•
E040219	5/8"	2-11/64"	•
E040220	11/16"	2-11/64"	•
E040221	3/4'	2-11/64"	•
E040222	13/16"	2-11/64"	•
E040223	7/8"	2-11/64"	•
E040224	15/16"	2-1/4"	•
E040228	1"	2-1/4"	•
EXRAIL20	S	ocket Rail	•

E040506 **EXTENSION, IMPACT** 3/8" **DRIVE**

• Overall Length: 3"



• Overall Length: 2"

1/12/4 GTLS OGKETS AND SETS



1/2" DRIVE COMBINATION STUBBY IMPACT SOCKET SETS - 6-PT.

IIVIPAG	I SUCKEI S	EIJ	- 6-P1.	300		
PRODUCT #	DESCRIPTION	SIZE	OVERALL Length In.		SETS	
E041657	26-PC. 1/2" Drive Combi	ination Stul	by Impact So	cket \$	Set - 6	-PT.
E041660	11-PC. 1/2" Drive SAE S	tubby Impa	ct Socket Set	- 6-P	T.	
E041661	15-PC. 1/2" Drive Metric S	Stubby Impa	ct Socket Set -	6-PT.		
E041727	Stubby Impact Socket	10	1-3/16"	•		•
E041728	Stubby Impact Socket	11	1-3/16"	•		•
E041729	Stubby Impact Socket	12	1-3/16"	•		•
E041730	Stubby Impact Socket	13	1-3/16"	•		•
E041731	Stubby Impact Socket	14	1-3/16"	•		•
E041732	Stubby Impact Socket	15	1-3/16"	•		•
E041733	Stubby Impact Socket	16	1-3/16"	•		•
E041734	Stubby Impact Socket	17	1-3/16"	•		•
E041735	Stubby Impact Socket	18	1-3/16"	•		•
E041736	Stubby Impact Socket	19	1-3/16"	•		•
E041737	Stubby Impact Socket	20	1-3/16"	•		•
E041738	Stubby Impact Socket	21	1-3/16"	•		•
E041739	Stubby Impact Socket	22	1-3/16"	•		•
E041740	Stubby Impact Socket	23	1-3/16"	•		•
E041741	Stubby Impact Socket	24	1-3/16"	•		•
E041742	Stubby Impact Socket	3/8"	1-3/16"		•	•
E041743	Stubby Impact Socket	7/16"	1-3/16"		•	•
E041744	Stubby Impact Socket	1/2"	1-3/16"		•	•
E041745	Stubby Impact Socket	9/16"	1-3/16"		•	•
E041746	Stubby Impact Socket	5/8"	1-3/16"		•	•
E041747	Stubby Impact Socket	11/16"	1-3/16"		•	•
E041748	Stubby Impact Socket	3/4"	1-3/16"		•	•
E041749	Stubby Impact Socket	13/16"	1-3/16"		•	•
E041750	Stubby Impact Socket	7/8"	1-3/16"		•	•
E041751	Stubby Impact Socket	15/16"	1-3/16"		•	•
E041752	Stubby Impact Socket	1"	1-3/16"		•	•
EXTRAY22X5	Socket	Rail				•
EXRAIL13	Socket	Rail			•	
EXRAIL20	Socket Rail					

E050003 19-PC. 1/2" DRIVE SAE IMPACT SOCKET SET - 12-PT.

PRODUCT #	DESCRIPTION	SIZE	OVERALL LENGTH IN.	SET
E050003	19-PC. 1/2" Drive SAI	Impact So	cket Set - 12-	PT.
E050079	Impact Socket	3/8"	1-1/2"	•
E050080	Impact Socket	7/16"	1-1/2"	•
E050081	Impact Socket	1/2"	1-1/2"	•
E050082	Impact Socket	9/16"	1-1/2"	•
E050083	Stubby Impact Socket	5/8"	1-1/2"	•
E050084	Impact Socket	11/16"	1-1/2"	•
E050085	Impact Socket	3/4"	1-1/2"	•
E050086	Impact Socket	13/16"	1-1/2"	•
E050087	Impact Socket	7/8"	1-1/2"	•
E050088	Impact Socket	15/16"	1-1/2"	•
E050089	Impact Socket	1"	1-1/2"	•
E050090	Impact Socket	1-1/16"	1-1/2"	•
E050091	Impact Socket	1-1/8"	1-1/2"	•
E050092	Impact Socket	1-3/16"	1-1/2"	•
E050093	Impact Socket	1-1/4"	1-1/2"	•
E050094	Impact Socket	1-5/16"	1-1/2"	•
E050095	Impact Socket	1-3/8"	1-1/2"	•
E050096	Impact Socket	1-7/16"	1-1/2"	•
E050097	Impact Socket	1-1/2"	1-1/2"	•
EXTRAY19X7-	2 S	ocket Rail		•

E050001 26-PC. 1/2" DRIVE METRIC IMPACT SOCKET SET - 12-PT.

PRODUCT #	DRIVE	SIZE	OVERALL Length In.	SET
E050001		2" Drive M ocket Set -		
E050033	1/2"	10mm	1-1/2"	•
E050034	1/2"	11mm	1-1/2"	•
E050035	1/2"	12mm	1-1/2"	•
E050036	1/2"	13mm	1-1/2"	•
E050037	1/2"	14mm	1-1/2"	•
E050038	1/2"	15mm	1-1/2"	•
E050039	1/2"	16mm	1-1/2"	•
E050040	1/2"	17mm	1-1/2"	•
E050041	1/2"	18mm	1-1/2"	•
E050042	1/2"	19mm	1-1/2"	•
E050043	1/2"	20mm	1-1/2"	•
E050044	1/2"	21mm	1-1/2"	•
E050045	1/2"	22mm	1-1/2"	•
E050046	1/2"	23mm	1-1/2"	•
E050047	1/2"	24mm	1-1/2"	•
E050048	1/2"	25mm	1-1/2"	•
E050049	1/2"	26mm	1-1/2"	•
E050050	1/2"	27mm	1-1/2"	•
E050051	1/2"	28mm	1-1/2"	•
E050052	1/2"	29mm	1-1/2"	•
E050053	1/2"	30mm	1-1/2"	•
E050054	1/2"	31mm	1-1/2"	•
E050055	1/2"	32mm	1-1/2"	•
E050056	1/2"	33mm	1-1/2"	•
E050057	1/2"	34mm	1-1/2"	•
E050058	1/2"	35mm	1-1/2"	•
E050059	1/2"	36mm	1-1/2"	•
EXTRAY19X	7-3	Soci	ket Rail	•



E041637 19-PC. 1/2" DRIVE SAE DEEP IMPACT SOCKET SET - 6-PT.

PRODUCT # SIZE OVERALL LENGTH IN. SET E041637 18-PC. 1/2" Drive Deep Impact Socket Set - 6-PT. 6-PT. E040932 5/16" 3-15/64" - E040914 3/8" 3-15/64" - E040912 7/16" 3-15/64" - E040901 1/2" 3-15/64" - E040902 9/16" 3-15/64" - E040903 5/8" 3-15/64" - E040904 11/16" 3-15/64" - E040905 3/4" 3-15/64" - E040906 13/16" 3-15/64" - E040907 7/8" 3-15/64" - E040908 15/16" 3-15/64" - E040910 1-1/16" 3-15/64" - E040911 1-1/18" 3-15/64" - E040913 1-1/14" 3-15/64" - E040915 1-5/16" 3-35/64" - E040916 1-5/16" 3-35/64" - </th <th></th> <th></th> <th></th> <th></th>				
E040932 5/16" 3-15/64" E040914 3/8" 3-15/64" E040912 7/16" 3-15/64" E040901 1/2" 3-15/64" E040902 9/16" 3-15/64" E040903 5/8" 3-15/64" E040904 11/16" 3-15/64" E040905 3/4" 3-15/64" E040906 13/16" 3-15/64" E040907 7/8" 3-15/64" E040908 15/16" 3-15/64" E040909 1" 3-15/64" E040910 1-1/16" 3-15/64" E040911 1-1/8" 3-15/64" E040913 1-3/16" 3-15/64" E040913 1-1/4" 3-15/64" E040914 1-3/8" 3-35/64" E040915 1-5/16" 3-35/64" E040917 1-3/8" 3-35/64" E040918 1-7/16" 3-35/64" E040920 1-9/16" 3-35/64" E040921 1-5/8" 3-21/32" <th>PRODUCT #</th> <th>SIZE</th> <th></th> <th>SET</th>	PRODUCT #	SIZE		SET
E040914 3/8" 3-15/64" • E040901 1/2" 3-15/64" • E040902 9/16" 3-15/64" • E040903 5/8" 3-15/64" • E040904 11/16" 3-15/64" • E040905 3/4" 3-15/64" • E040906 13/16" 3-15/64" • E040907 7/8" 3-15/64" • E040908 15/16" 3-15/64" • E040909 1" 3-15/64" • E040909 1" 3-15/64" • E040910 1-1/16" 3-15/64" • E040911 1-1/8" 3-15/64" • E040911 1-1/8" 3-15/64" • E040913 1-1/4" 3-15/64" • E040914 1-5/16" 3-35/64" • E040917 1-3/8" 3-35/64" • E040917 1-3/8" 3-35/64" • E040918 1-7/16" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" • E040921 1-5/8" 3-35/64" • E040922 1-11/16" 3-21/32" • E040924 1-13/16" 3-21/32" • E040925 1-7/8" 3-21/32" •	E041637	19-PC. 1/2" I	Drive Deep Impact Socket Set -	6-PT.
E040912 7/16" 3-15/64" • E040901 1/2" 3-15/64" • E040902 9/16" 3-15/64" • E040903 5/8" 3-15/64" • E040904 11/16" 3-15/64" • E040905 3/4" 3-15/64" • E040906 13/16" 3-15/64" • E040907 7/8" 3-15/64" • E040908 15/16" 3-15/64" • E040909 1" 3-15/64" • E040910 1-1/16" 3-15/64" • E040911 1-1/8" 3-15/64" • E040915 1-3/16" 3-15/64" • E040915 1-3/16" 3-15/64" • E040917 1-1/4" 3-15/64" • E040918 1-5/16" 3-35/64" • E040919 1-5/16" 3-35/64" • E040919 1-1/2" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" • E040921 1-5/8" 3-35/64" • E040922 1-11/16" 3-21/32" • E040923 1-3/4" 3-21/32" • E040926 1-15/16" 3-21/32" •	E040932	5/16"	3-15/64"	
E040901 1/2" 3-15/64" • E040902 9/16" 3-15/64" • E040903 5/8" 3-15/64" • E040904 11/16" 3-15/64" • E040905 3/4" 3-15/64" • E040906 13/16" 3-15/64" • E040907 7/8" 3-15/64" • E040908 15/16" 3-15/64" • E040909 1" 3-15/64" • E040910 1-1/16" 3-15/64" • E040911 1-1/8" 3-15/64" • E040915 1-3/16" 3-15/64" • E040916 1-5/16" 3-35/64" • E040917 1-3/8" 3-35/64" • E040919 1-1/2" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" • E040921 1-5/8" 3-35/64" • E040921 1-5/8" 3-35/64" • E040922 1-11/16" 3-21/32" • E040923 1-3/4" 3-21/32" • E040926 1-15/16" 3-21/32" • E040926 1-15/16" 3-21/32" •	E040914	3/8"	3-15/64"	•
E040902 9/16" 3-15/64" E040903 5/6" 3-15/64" E040904 11/16" 3-15/64" E040905 3/4" 3-15/64" E040906 13/16" 3-15/64" E040907 7/8" 3-15/64" E040908 15/16" 3-15/64" E040909 1" 3-15/64" E040910 1-1/16" 3-15/64" E040911 1-1/8" 3-15/64" E040913 1-3/16" 3-15/64" E040913 1-5/16" 3-35/64" E040916 1-5/16" 3-35/64" E040917 1-3/8" 3-35/64" E040918 1-7/16" 3-35/64" E040919 1-1/2" 3-35/64" E040920 1-9/16" 3-35/64" E040921 1-5/8" 3-21/32" E040922 1-11/16" 3-21/32" E040923 1-3/4" 3-21/32" E040924 1-13/16" 3-21/32" E040925 1-7/8" 3	E040912	7/16"	3-15/64"	•
E040903 5/8" 3-15/64" • E040904 11/16" 3-15/64" • E040905 3/4" 3-15/64" • E040906 13/16" 3-15/64" • E040907 7/8" 3-15/64" • E040908 15/16" 3-15/64" • E040909 1" 3-15/64" • E040910 1-1/16" 3-15/64" • E040911 1-1/8" 3-15/64" • E040913 1-1/4" 3-15/64" • E040913 1-1/4" 3-15/64" • E040916 1-5/16" 3-35/64" • E040917 1-3/8" 3-35/64" • E040919 1-1/2" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" • E040921 1-5/8" 3-35/64" • E040922 1-11/16" 3-21/32" • E040924 1-13/16" 3-21/32" • E040925 1-7/8" 3-21/32" •	E040901	1/2"	3-15/64"	•
E040904 11/16" 3-15/64" • E040905 3/4" 3-15/64" • E040906 13/16" 3-15/64" • E040907 7/8" 3-15/64" • E040908 15/16" 3-15/64" • E040909 1" 3-15/64" • E040910 1-1/16" 3-15/64" • E040911 1-1/8" 3-15/64" • E040915 1-3/16" 3-15/64" • E040915 1-3/16" 3-15/64" • E040916 1-5/16" 3-35/64" • E040917 1-3/8" 3-35/64" • E040919 1-1/2" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" • E040921 1-5/8" 3-35/64" • E040922 1-11/16" 3-21/32" E040923 1-3/4" 3-21/32" E040925 1-7/8" 3-21/32" E040926 1-15/16" 3-21/32" E040925 1-7/8" 3-21/32" E040925 1-7/8" 3-21/32" E040926 1-15/16" E040926 1-15/16	E040902	9/16"	3-15/64"	•
E040905 3/4" 3-15/64" • E040906 13/16" 3-15/64" • E040907 7/8" 3-15/64" • E040908 15/16" 3-15/64" • E040909 1" 3-15/64" • E040910 1-1/16" 3-15/64" • E040911 1-1/8" 3-15/64" • E040915 1-3/16" 3-15/64" • E040913 1-1/4" 3-15/64" • E040916 1-5/16" 3-35/64" • E040917 1-3/8" 3-35/64" • E040919 1-1/2" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" • E040921 1-5/8" 3-35/64" • E040921 1-5/8" 3-35/64" • E040922 1-11/16" 3-21/32" • E040924 1-13/16" 3-21/32" • E040925 1-7/8" 3-21/32" • E040926 1-15/16" 3-21/32" •	E040903	5/8"	3-15/64"	•
E040906 13/16" 3-15/64" • E040907 7/8" 3-15/64" • E040908 15/16" 3-15/64" • E040909 1" 3-15/64" • E040910 1-1/16" 3-15/64" • E040911 1-1/8" 3-15/64" • E040913 1-3/16" 3-15/64" • E040913 1-1/4" 3-15/64" • E040916 1-5/16" 3-35/64" • E040917 1-3/8" 3-35/64" • E040919 1-1/2" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" • E040921 1-5/8" 3-35/64" • E040922 1-11/16" 3-21/32" • E040924 1-13/16" 3-21/32" • E040925 1-7/8" 3-21/32" • E040926 1-15/16" 3-21/32" •	E040904	11/16"	3-15/64"	•
E040907 7/8" 3-15/64" • E040908 15/16" 3-15/64" • E040910 1-1/16" 3-15/64" • E040911 1-1/16" 3-15/64" • E040915 1-3/16" 3-15/64" • E040915 1-3/16" 3-15/64" • E040916 1-5/16" 3-35/64" • E040917 1-3/8" 3-35/64" • E040919 1-1/2" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" • E040921 1-5/8" 3-35/64" • E040922 1-11/16" 3-21/32" • E040923 1-3/4" 3-21/32" • E040924 1-13/16" 3-21/32" • E040925 1-7/8" 3-21/32" •	E040905	3/4"	3-15/64"	•
E040908 15/16" 3-15/64" • E040909 1" 3-15/64" • E040910 1-1/16" 3-15/64" • E040911 1-1/18" 3-15/64" • E040915 1-3/16" 3-15/64" • E040913 1-1/4" 3-15/64" • E040916 1-5/16" 3-35/64" • E040917 1-3/8" 3-35/64" • E040918 1-7/16" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" • E040921 1-5/8" 3-35/64" • E040922 1-11/16" 3-21/32" E040924 1-13/16" 3-21/32" E040925 1-7/8" 3-21/32" E040925 1-7/8" 3-21/32" E040926 1-15/16" 3-21/32"	E040906	13/16"	3-15/64"	•
E040909 1" 3-15/64" • E040910 1-1/16" 3-15/64" • E040911 1-1/18" 3-15/64" • E040915 1-3/16" 3-15/64" • E040913 1-1/4" 3-15/64" • E040916 1-5/16" 3-35/64" • E040917 1-3/8" 3-35/64" • E040919 1-7/16" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" • E040921 1-5/8" 3-35/64" • E040922 1-11/16" 3-21/32" • E040924 1-13/16" 3-21/32" • E040925 1-7/8" 3-21/32" • E040926 1-15/16" 3-21/32"	E040907	7/8"	3-15/64"	•
E040910 1-1/16" 3-15/64" • E040911 1-1/8" 3-15/64" • E040915 1-3/16" 3-15/64" • E040913 1-1/4" 3-15/64" • E040916 1-5/16" 3-35/64" • E040917 1-3/8" 3-35/64" • E040918 1-7/16" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" • E040921 1-5/8" 3-35/64" • E040922 1-11/16" 3-21/32" • E040923 1-3/4" 3-21/32" • E040924 1-13/16" 3-21/32" • E040925 1-7/8" 3-21/32" •	E040908	15/16"	3-15/64"	•
E040911 1-1/8" 3-15/64" • E040915 1-3/16" 3-15/64" • E040916 1-5/16" 3-35/64" • E040917 1-3/8" 3-35/64" • E040918 1-7/16" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" • E040921 1-5/8" 3-35/64" • E040922 1-11/16" 3-21/32" E040923 1-3/4" 3-21/32" E040924 1-13/16" 3-21/32" E040925 1-7/8" 3-21/32" E040926 1-15/16" 3-21/32"	E040909	1"	3-15/64"	•
E040915 1-3/16" 3-15/64" • E040913 1-1/4" 3-15/64" • E040916 1-5/16" 3-35/64" • E040917 1-3/8" 3-35/64" • E040918 1-7/16" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" • E040921 1-5/8" 3-35/64" • E040922 1-11/16" 3-21/32" • E040924 1-13/16" 3-21/32" • E040925 1-7/8" 3-21/32" • E040926 1-15/16" 3-21/32"	E040910	1-1/16"	3-15/64"	•
E040913 1-1/4" 3-15/64" • E040916 1-5/16" 3-35/64" • E040917 1-3/8" 3-35/64" • E040918 1-7/16" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" E040921 1-5/8" 3-35/64" E040922 1-11/16" 3-21/32" E040923 1-3/4" 3-21/32" E040924 1-13/16" 3-21/32" E040925 1-7/8" 3-21/32" E040926 1-15/16" 3-21/32"	E040911	1-1/8"	3-15/64"	•
E040916 1-5/16' 3-35/64" • E040917 1-3/8" 3-35/64" • E040918 1-7/16' 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16' 3-35/64' E040921 1-5/8" 3-35/64" E040922 1-11/16' 3-21/32" E040923 1-3/4" 3-21/32" E040924 1-13/16" 3-21/32" E040925 1-7/8" 3-21/32" E040926 1-15/16" 3-21/32"	E040915	1-3/16"	3-15/64"	•
E040917 1-3/8" 3-35/64" • E040918 1-7/16" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" E040921 1-5/8" 3-35/64" E040922 1-11/16" 3-21/32" E040923 1-3/4" 3-21/32" E040924 1-13/16" 3-21/32" E040925 1-7/8" 3-21/32" E040926 1-15/16" 3-21/32"	E040913	1-1/4"	3-15/64"	•
E040918 1-7/16" 3-35/64" • E040919 1-1/2" 3-35/64" • E040920 1-9/16" 3-35/64" • E040921 1-5/8" 3-35/64" • E040922 1-11/16" 3-21/32" • E040923 1-3/4" 3-21/32" • E040924 1-13/16" 3-21/32" • E040925 1-7/8" 3-21/32" • E040926 1-15/16" 3-21/32" •	E040916	1-5/16"	3-35/64"	•
E040919 1-1/2" 3-35/64" E040920 1-9/16" 3-35/64" E040921 1-5/8" 3-35/64" E040922 1-11/16" 3-21/32" E040923 1-3/4" 3-21/32" E040924 1-13/16" 3-21/32" E040925 1-7/8" 3-21/32" E040926 1-15/16" 3-21/32"	E040917	1-3/8"	3-35/64"	•
E040920 1-9/16" 3-35/64" E040921 1-5/8" 3-35/64" E040922 1-11/16" 3-21/32" E040923 1-3/4" 3-21/32" E040924 1-13/16" 3-21/32" E040925 1-7/8" 3-21/32" E040926 1-15/16" 3-21/32"	E040918	1-7/16"	3-35/64"	•
E040921 1-5/8" 3-35/64" E040922 1-11/16" 3-21/32" E040923 1-3/4" 3-21/32" E040924 1-13/16" 3-21/32" E040925 1-7/8" 3-21/32" E040926 1-15/16" 3-21/32"	E040919	1-1/2"	3-35/64"	•
E040922 1-11/16" 3-21/32" E040923 1-3/4" 3-21/32" E040924 1-13/16" 3-21/32" E040925 1-7/8" 3-21/32" E040926 1-15/16" 3-21/32"	E040920	1-9/16"	3-35/64"	
E040923 1-3/4" 3-21/32" E040924 1-13/16" 3-21/32" E040925 1-7/8" 3-21/32" E040926 1-15/16" 3-21/32"	E040921	1-5/8"	3-35/64"	
E040924 1-13/16" 3-21/32" E040925 1-7/8" 3-21/32" E040926 1-15/16" 3-21/32"	E040922	1-11/16"	3-21/32"	
E040925 1-7/8" 3-21/32" E040926 1-15/16" 3-21/32"	E040923	1-3/4"	3-21/32"	
E040926 1-15/16" 3-21/32"	E040924	1-13/16"	3-21/32"	
	E040925	1-7/8"	3-21/32"	
	E040926	1-15/16"	3-21/32"	
E040927 2" 3-21/32"	E040927	2"	3-21/32"	
EXTRAY22X5 Socket Rail •	EXTRAY22X5		Socket Rail	•

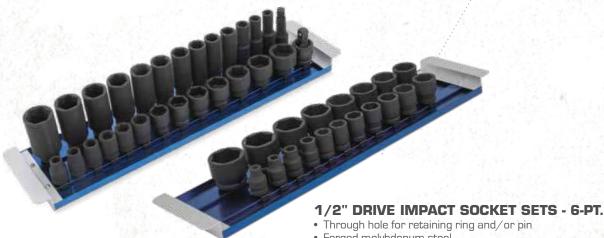
E041646 14-PC. 1/2" DRIVE SAE UNIVERSAL DEEP IMPACT SOCKET SET - 6-PT.

Land State .			
PRODUCT #	SIZE	OVERALL LENGTH In.	SET
E041646		' Drive SAE Deep ket Set 6-PT.	
E040933	7/16"	3-1/2"	•
E040934	1/2"	3-1/2"	•
E040935	9/16"	3-1/2"	•
E040936	5/8"	3-1/2"	•
E040937	11/16"	3-1/2"	•
E040938	3/4"	3-1/2"	•
E040939	13/16"	3-1/2"	•
E040940	7/8"	3-1/2"	•
E040941	15/16"	3-1/2"	•
E040942	1"	3-1/2"	•
E040943	1-1/16"	3-1/2"	•
E040944	1-1/8"	3-1/2"	•
E040945	1-3/16"	3-1/2"	•
E040946	1-1/4"	3-1/2"	•
EXRAIL20		Socket Rail	•

1/2" DRIVE UNIVERSAL IMPACT SOCKET SETS - 6-PT.

IIVIPACI	306	KEI SEIS	- 0-1	- 11
PRODUCT#	SIZE	OVERALL LENGTH In.	SE	TS
E041654	13-PC. 1/2 Socket Set	" Drive Metric Univers 6-PT.	sal Imapc	t
E041655	14-PC. 1/2 Socket Set	" Drive SAE Universal 6-PT.	Imapct	
E080614	12mm	2-1/4"		•
E080615	13mm	2-1/4"		•
E080616	14mm	2-1/4"		•
E080617	15mm	2-1/4"		•
E080618	16mm	2-1/4"		•
E080619	17mm	2-1/4"		•
E080620	18mm	2-1/4"		•
E080621	19mm	2-1/4"		•
E080622	20mm	2-1/4"		•
E080623	21mm	2-1/4"		•
E080624	22mm	2-1/4"		•
E080625	23mm	2-1/4"		•
E080626	24mm	2-1/4"		•
E040743	7/16"	2-1/2"	•	
E040744	1/2"	2-1/2"	•	
E040745	9/16"	2-1/2"	•	
E040746	5/8"	2-1/2"	•	
E040747	11/16"	2-1/2"	•	
E040748	3/4"	2-1/2"	•	
E040749	13/16"	2-1/2"	•	
E040750	7/8"	2-1/2"	•	
E040751	15/16"	2-1/2"	•	
E040752	1"	3"	•	
E040753	1-1/16"	3"	•	
E040754	1-1/8"	3"	•	
E040755	1-3/16"	3"	•	
E040756	1-1/4"	3"	•	

1/12/16/15/06/17/15/7/5



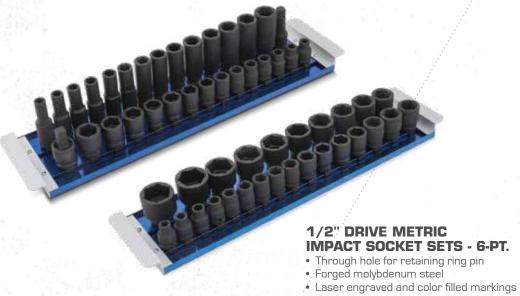
•	Through	n hol	e for	retaining	ring	and/	or	niq
	E 1	L	de al a co					

Forged molybdenum steel

• Laser engraved and color filled markings

	PRODUCT#	DESCRIPTION	SIZE	OVERALL LENGTH	SI	ΞŢ
	E041640	28-PC. 1/2" Drive Imp	act Socket S	Set - 6-PT.		
	E041636	19-PC. 1/2" Drive Imp	act Socket S	Set - 6-PT.		
	E040012	Impact Extension 3"	-	3"		•
	E041011	Universal Impact Joint	-	2-7/16"		•
	E040701	Impact Socket	5/16"	1-1/2"		
	E040702	Impact Socket	3/8"	1-1/2"	•	
	E040703	Impact Socket	7/16"	1-1/2"	•	•
	E040704	Impact Socket	1/2"	1-1/2"	•	•
	E040705	Impact Socket	9/16"	1-1/2"	•	•
	E040706	Impact Socket	5/8"	1-1/2"	•	•
	E040707	Impact Socket	11/16"	1-1/2"	•	•
9	E040708	Impact Socket	3/4"	1-1/2"	•	•
	E040709	Impact Socket	13/16"	1-1/2"	•	•
	E040710	Impact Socket	7/8"	1-1/2"	•	•
	E040711	Impact Socket	15/16"	1-1/2"	•	•
	E040712	Impact Socket	1"	1-1/2"	•	•
•	E040713	Impact Socket	1-1/16"	1-37/64"	•	•
	E040714	Impact Socket	1-1/8"	1-37/64"	•	•
	E040729	Impact Socket	1-3/16"	1-37/64"	•	
	E040730	Impact Socket	1-1/4"	1-37/64"	•	•
	E040731	Impact Socket	1-5/16"	1-11/16"	•	
	E040732	Impact Socket	1-3/8"	1-11/16"	•	
	E040733	Impact Socket	1-7/16"	1-11/16"	•	
	E040734	Impact Socket	1-1/2"	1-11/16"	•	
	E040735	Impact Socket	1-9/16"	2-23/64"		

PRODUCT#	DESCRIPTION	SIZE	OVERALL LENGTH	SI	ET_
E041640	28-PC. 1/2" Drive Imp	act Socket	Set - 6-PT.		_
E041636	19-PC. 1/2" Drive Imp	act Socket	Set - 6-PT.		
E040736	Impact Socket	1-5/8"	2-3/8"		
E040737	Impact Socket	1-11/16"	2-3/8"		
E040738	Impact Socket	1-3/4"	2-3/8"		
E040739	Impact Socket	1-13/16"	2-3/4"		
E040740	Impact Socket	1-7/8"	2-3/4"		
E040741	Impact Socket	1-15/16"	2-3/4"		
E040742	Impact Socket	2"	2-3/4"		
E040901	Deep Impact Socket	1/2"	3-15/64"		•
E040902	Deep Impact Socket	9/16"	3-15/64"		•
E040903	Deep Impact Socket	5/8"	3-15/64"		•
E040904	Deep Impact Socket	11/16"	3-15/64"		•
E040905	Deep Impact Socket	3/4"	3-15/64"		•
E040906	Deep Impact Socket	13/16"	3-15/64"		•
E040907	Deep Impact Socket	7/8"	3-15/64"		•
E040908	Deep Impact Socket	15/16"	3-15/64"		•
E040909	Deep Impact Socket	1"	3-15/64"		•
E040910	Deep Impact Socket	1-1/16"	3-15/64"		•
E040911	Deep Impact Socket	1-1/8"	3-15/64"		•
E040912	Deep Impact Socket	7/16"	3-15/64"		•
E040913	Deep Impact Socket	1-1/4"	3-15/64"		•
EXTRAY22X5	i So	cket Rail			•
EXTRAY19X7	1-2 So	cket Rail		•	



PRODUCT #	DESCRIPTION	SIZE [MM]	OVERALL Length		SET	
E041641	30-PC. 1/2" Drive Metric Impact	Socket Set	- 6-PT.			
E041638	26-PC. 1/2" Drive Metric Impact	Socket Set	- 6-PT.			
E041616	14-PC. 1/2" Drive Metric Impact	Socket Set	- 6-PT.			
E041012	1/2" Drive Impact Extension 3"	-	3"			•
E041011	1/2" Drive Universal Impact Joint	-	2-7/16"			•
E113489	Metric Impact Socket	8	1-1/2"			
E040603	Metric Impact Socket	9	1-1/2"			
E113490	Metric Impact Socket	10	1-1/2"	•	•	•
E113491	Metric Impact Socket	11	1-1/2"	•	•	•
E113492	Metric Impact Socket	12	1-1/2"	•	•	•
E113493	Metric Impact Socket	13	1-1/2"	•	•	•
E113494	Metric Impact Socket	14	1-1/2"	•	•	•
E113495	Metric Impact Socket	15	1-1/2"	•	•	•
E113496	Metric Impact Socket	16	1-1/2"	•	•	•
E113497	Metric Impact Socket	17	1-1/2"	•	•	•
E113498	Metric Impact Socket	18	1-1/2"	•	•	•
E113499	Metric Impact Socket	19	1-1/2"	•	•	•
E040604	Metric Impact Socket	20	1-1/2"		•	•
E113588	Metric Impact Socket	21	1-1/2"	•	•	•
E113589	Metric Impact Socket	22	1-1/2"	•	•	•
E040605	Metric Impact Socket	23	1-21/32"		•	
E113592	Metric Impact Socket	24	1-21/32"		•	•
E040606	Metric Impact Socket	25	1-21/32"		•	
E040607	Metric Impact Socket	26	1-21/32"	•	•	
E113594	Metric Impact Socket	27	1-13/16"	•	•	
E113595	Metric Impact Socket	28	1-13/16"		•	
E040608	Metric Impact Socket	29	1-13/16"		•	

Laser en	graved and color filled	i i i i i di Kii	igo			<u>:</u>
PRODUCT #	DESCRIPTION	SIZE	OVERALL Length		SET	
E041641	30-PC. 1/2" Drive Metric Impact	Socket Set	- 6-PT.			
E041638	26-PC. 1/2" Drive Metric Impact	Socket Set	- 6-PT.			
E041616	14-PC. 1/2" Drive Metric Impact	Socket Set	- 6-PT.			
E113596	Metric Impact Socket	30	1-13/16"		•	
E040609	Metric Impact Socket	31	1-13/16"			
E113597	Metric Impact Socket	32	1-13/16"			
E040610	Metric Impact Socket	33	1-13/16"		•	
E040611	Metric Impact Socket	34	1-13/16"		•	
E040612	Metric Impact Socket	35	1-31/32"		•	
E040613	Metric Impact Socket	36	1-31/32"		•	
E113598	Metric Deep Impact Socket	10	3-15/64"			•
E113599	Metric Deep Impact Socket	11	3-15/64"			•
E040802	Metric Deep Impact Socket	12	3-15/64"			•
E113600	Metric Deep Impact Socket	13	3-15/64"			•
E040801	Metric Deep Impact Socket	15	3-15/64"			•
E113605	Metric Deep Impact Socket	14	3-15/64"			•
E113606	Metric Deep Impact Socket	16	3-15/64"			•
E113607	Metric Deep Impact Socket	17	3-15/64"			•
E113608	Metric Deep Impact Socket	18	3-15/64"			•
E113609	Metric Deep Impact Socket	19	3-15/64"			•
E040804	Metric Deep Impact Socket	20	3-15/64"			•
E113610	Metric Deep Impact Socket	21	3-15/64"			•
E113611	Metric Deep Impact Socket	22	3-15/64"			•
E113612	Metric Deep Impact Socket	24	3-15/64"			•
EXTRAY22X5	Socket R	ail				•
EXTRAY22X5	Socket R	ail			•	
EXRAIL20	Socket R	ail		•		

1/12/16/15/06/17/15/7/5



1/2" DRIVE SAE DEEP IMPACT SOCKET SET - 12-PT.

PRODUCT#	ı	ESCRIPTION	SIZE	OVERALL Length In.		
E050002	19-P	C. 1/2" Drive SAE D	eep Impact S	ocket Set - 1	2-PT.	
E050005	11-P	C. 1/2" Drive SAE D	leep Impact S	ocket - 12-PT	:	
E050060	Dee	p Impact Socket	3/8"	2-3/8"	•	•
E050061	Dee	p Impact Socket	7/16"	2-3/8"	•	•
E050062	Dee	p Impact Socket	1/2"	2-3/8"	•	•
E050063	Dee	p Impact Socket	9/16"	2-3/8"	•	•
E050064	Dee	p Impact Socket	5/8"	2-3/8"	•	•
E050065	Dee	p Impact Socket	11/16"	2-3/8"	•	•
E050066	Dee	p Impact Socket	3/4"	2-3/8"	•	•
E050067	Dee	p Impact Socket	13/16"	2-3/8"	•	•
E050068	Dee	p Impact Socket	7/8"	2-3/8"	•	•
E050069	Dee	p Impact Socket	15/16"	2-3/8"	•	•
E050070	Dee	p Impact Socket	1"	2-3/8"	•	•
E050071	Dee	p Impact Socket	1-1/16"	2-3/8"		•
E050072	Dee	p Impact Socket	1-1/8"	2-3/8"		•
E050073	Dee	p Impact Socket	1-3/16"	2-3/8"		•
E050074	Dee	p Impact Socket	1-1/4"	2-3/8"		•
E050075	Dee	p Impact Socket	1-5/16"	2-3/8"		•
E050076	Dee	p Impact Socket	1-3/8"	2-3/8"		•
E050077	Dee	p Impact Socket	1-7/16"	2-3/8"		•
E050078	Dee	p Impact Socket	1-1/2"	2-3/8"		•
EXTRAY19X	7-2	Si	ocket Rail			•
EXRAIL20		Si	ocket Rail		•	

1/2" DRIVE METRIC DEEP IMPACT SOCKET SETS - 12-PT.

PRODUCT #	DRIVE	SIZE	OVERALL LENGTH In.		
E050000		2" Drive M ocket Set -			
E050004		2" Drive M ocket Set -			
E050006	1/2"	10mm	2-3/8"	•	•
E050007	1/2"	11mm	2-3/8"	•	•
E050008	1/2"	12mm	2-3/8"	•	•
E050009	1/2"	13mm	2-3/8"	•	•
E050010	1/2"	14mm	2-3/8"	•	•
E050011	1/2"	15mm	2-3/8"	•	•
E050012	1/2"	16mm	2-3/8"	•	•
E050013	1/2"	17mm	2-3/8"	•	•
E050014	1/2"	18mm	2-3/8"	•	•
E050015	1/2"	19mm	2-3/8"	•	•
E050016	1/2"	20mm	2-3/8"	•	•
E050017	1/2"	21mm	2-3/8"	•	•
E050018	1/2"	22mm	2-3/8"		•
E050019	1/2"	23mm	2-3/8"		•
E050020	1/2"	24mm	2-3/8"		•
E050021	1/2"	25mm	2-3/8"		•
E050022	1/2"	26mm	2-3/8"		•
E050023	1/2"	27mm	2-3/8"		•
E050024	1/2"	28mm	2-3/8"		•
E050025	1/2"	29mm	2-3/8"		•
E050026	1/2"	30mm	2-3/8"		•
E050027	1/2"	31mm	2-3/8"		•
E050028	1/2"	32mm	2-3/8"		•
E050029	1/2"	33mm	2-3/8"		•
E050030	1/2"	34mm	2-3/8"		•
E050031	1/2"	35mm	2-3/8"		•
E050032	1/2"	36mm	2-3/8"		•
EXTRAY19)	(7-3		Socket Rail		•
EXRAIL20			Socket Rail	•	

E113622

15-PC. 1/2" DRIVE METRIC AND SAE IMPACT HEX SET

PRODUCT #	SIZE	OVERALL LENGTH	SET
E113622	15-PC. 1/2" SAE Impact H	Drive Metric and lex Set	
E113623	5mm	3-5/64"	•
E113624	6mm	3-5/64"	•
E113625	8mm	3-5/64"	•
E113626	10mm	3-5/64"	•
E113627	12mm	3-5/64"	•
E113628	14mm	3-5/64"	•
E113629	17mm	3-5/64"	•
E113630	19mm	3-5/64"	•
E132601	5/16"	3-5/64"	•
E132602	3/8"	3-5/64"	•
E132603	7/16"	3-5/64"	•
E132604	1/2"	3-5/64"	•
E132605	9/16"	3-5/64"	•
E132606	5/8"	3-5/64"	•
E132607	3/4"	3-5/64"	•
EXRAIL20	5	Socket Rail	•

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FXPERT



1/2" DRIVE METRIC DEEP IMPACT SOCKET SETS - 6-PT.

PRODUCT #	SIZE	OVERALL LENGTH	S	ET
E041639	26-PC. 1/2" Dr Impact Socket	rive Metric Deep Set - 6-PT.		
E041609	14-PC. 1/2" Dri Impact Socket	ive Metric Deep Set - G-PT.		
E040803	8	3-15/64"		
E040807	9	3-15/64"		
E113598	10	3-15/64"	•	•
E113599	11	3-15/64"	•	•
E040802	12	3-15/64"	•	•
E113600	13	3-15/64"	•	•
E113605	14	3-15/64"	•	•
E040801	15	3-15/64"	•	•
E113606	16	3-15/64"	•	•
E113607	17	3-15/64"	•	•
E113608	18	3-15/64"	•	•
E113609	19	3-15/64"	•	•
E040804	20	3-15/64"		•
E113610	21	3-15/64"	•	•
E113611	22	3-15/64"	•	•
EXTRAY22X	5	Socket Rail		•
EXRAIL20		Socket Rail	•	

PRODUCT #	SIZE	OVERALL LENGTH	SI	
PRUDUCI#			51	-1
E041639		PC. 1/2" Drive Metric Deep act Socket Set - 6-PT.		
E041609		C. 1/2" Drive Metric Deep act Socket Set - 6-PT.		
E040811	23	3-15/64"		•
E113612	24	3-15/64"		•
E040808	25	3-15/64"		•
E040809	26	3-15/64"	•	•
E113613	27	3-15/64"	•	•
E040805	28	3-15/64"		•
E040810	29	3-15/64"		•
E113614	30	3-15/64"		•
E113615	32	3-15/64"		•
E040806	33	3-35/64"		•
E040812	34	3-35/64"		•
E040813	35	3-35/64"		•
E040814	36	3-35/64"		•
EXTRAY22X5	i	Socket Rail		•
EXRAIL20		Socket Rail •		
400				



E041605-US 7-PC. 1/2" DRIVE INVERTED **IMPACT TORX® SET**

PRODUCT #	SIZE	SET
E041605-US	7-PC. 1/2" Drive Inverted Impact Torx® Set	
E041001	E10	•
E041002	E12	•
E041003	E14	•
E041004	E16	•
E041005	E18	•
E041006	E20	•
E041007	E24	•
		•



E113466

5-PC. 1/2" DRIVE **IMPACT EXTENSION AND UNIVERSAL JOINT KIT**

- High strength alloy steel for long lasting durability
 Sprung-ball retainer secures socket
- to extension or universal-joint, while still allowing for quick and easy socket changes

PRODUCT #	SIZE	DESCRIPTION	
E113466		' Drive Impact Extension rsal Joint Kit	
E041016	1/2"	3" Impact Extension	•
E041013	1/2"	5" Impact Extension	•
E041014	1/2"	7" Impact Extension	•
E041015	1/2"	10" Impact Extension	•
E041017	1/2"	Universal Impact Joint	•





• Overall Length: 2-7/16"

11/12/4 GT SOCKETS AND SETS



E041200 27-PC. 3/4" DRIVE SAE IMPACT SOCKET SETS - 6-PT.

PRODUCT #	SIZE	OVERALL LENGTH	SI	ET
E041200	27-PC. 3/4" D	rive SAE Impact Socket S	et - 6-P	T.
E041624	12-PC. 3/4" Drive SAE Impact Socket Set - 6-PT.			
E041205	3/4"	1-31/32"		•
E041206	13/16"	2-3/64"		•
E041207	7/8"	2-3/64"		•
E041208	15/16"	2-3/64"		•
E041209	1"	2-3/64"		•
E041210	1-1/16"	2-3/64"		•
E041211	1-1/8"	2-3/64"		•
E041212	1-3/16"	2-3/64"		•
E041213	1-1/4"	2-3/64"		•
E041214	1-5/16"	2-13/64"	•	•
E041215	1-3/8"	2-13/64"	•	•
E041216	1-7/16"	2-13/64"	•	•
E041217	1-1/2"	2-13/64"	•	•
E041218	1-9/16"	2-7/16"	•	•
E041220	1-5/8"	2-7/16"	•	•
E041221	1-11/16"	2-7/16"	•	•
E041219	1-3/4"	2-7/16"	•	•
E041222	1-13/16"	2-43/64"	•	•
E041223	1-7/8"	2-43/64"	•	•
E041224	1-15/16"	2-3/4"	•	•
E041225	2"	2-53/64"	•	•
E041226	2-1/16"	2-53/64"		•
E041227	2-1/8"	2-53/64"		•
E041228	2-3/16"	2-53/64"		•
E041229	2-1/4"	2-53/64"		•
E041230	2-3/8"	2-53/64"		•
E041231	2-1/2"	2-53/64"		•
SH34	Socket Holde	r	•	
	Steel E	Вох		•



E041400 17-PC. 3/4" DRIVE SAE DEEP IMPACT SOCKET SET - 6-PT.

PRODUCT #	SIZE	OVERALL LENGTH	SET
E041400	17-PC. 3/4" Drive	SAE Impact Socket Set -	6-PT.
E041417	3/4"	3-11/32"	
E041418	13/16"	3-11/32"	
E041419	7/8"	3-11/32"	
E041401	15/16"	3-11/32"	
E041402	1"	3-11/32"	•
E041403	1-1/16"	3-11/32"	•
E041404	1-1/8"	3-11/32"	•
E041405	1-3/16"	3-11/32"	•
E041406	1-1/4"	3-11/32"	•
E041407	1-5/16"	3-11/32"	•
E041408	1-3/8"	3-11/32"	•
E041409	1-7/16"	3-11/32"	•
E041410	1-1/2"	3-11/32"	•
E041411	1-9/16"	3-11/32"	•
E041412	1-5/8"	3-11/32"	•
E041413	1-11/16"	3-11/32"	•
E041414	1-3/4"	3-11/32"	•
E041415	1-13/16"	3-11/32"	•
E041416	1-7/8"	3-11/32"	•
E041420	1-15/16"	3-11/32"	•
E041421	2"	3-11/32"	•
	Steel Box		•



E041454 18-PC. 3/4" DRIVE METRIC DEEP IMPACT SOCKET SET - 6-PT.

	1,79	property to the factor of	0.255
PRODUCT #	SIZE	OVERALL LENGTH	SET
E041454	18-PC. 3/4" Drive Me	tric Deep Impact Socket Set	- 6-PT.
E113480	17	3-3/4"	•
E113481	19	3-3/4"	•
E113482	24	3-3/4"	•
E113483	27	3-3/4"	•
E041440	29	3-3/4"	•
E113484	30	3-3/4"	•
E041442	31	3-3/4"	•
E113485	32	3-3/4"	•
E041301	33	3-3/4"	•
E041445	34	3-3/4"	•
E041446	35	3-3/4"	•
E113486	36	3-3/4"	•
E041448	38	3-3/4"	•
E041449	40	3-3/4"	•
E041302	41	3-3/4"	•
E041451	42	3-3/4"	•
E041303	46	3-3/4"	•
E041453	50	3-3/4"	•
	Steel Box		•



E041100	
24-PC. 3/4" DRIVE	METRIC
IMPACT SOCKET SE	T - 6-PT.

	1 3001	CLI SLI - U-I	<u> </u>	
PRODUCT #	SIZE	OVERALL LENGTH	SI	ET
E041100	24-PC. 3/4" [Irive Metric Impact Socket	Set - I	3-PT.
E041622	15-PC. 3/4" [Impact Socke			
E041101	17	1-31/32"	•	
E041102	19	1-31/32"	•	•
E041109	20	1-31/32"	•	•
E041103	21	2-3/64"	•	•
E041104	22	2-3/64"	٠	•
E041110	23	2-3/64"	٠	•
E041105	24	2-3/64"	٠	•
E041111	25	2-3/64"	٠	•
E041112	26	2-3/64"	٠	•
E041106	27	2-3/64"	٠	•
E113468	28	2-3/64"	٠	•
E113469	29	2-3/64"	•	•
E113470	30	2-3/64"	•	•
E041113	31	2-3/64"	•	•
E113471	32	2-3/64"	•	•
E113472	33	2-13/64"		•
E113473	34	2-13/64"		•
E113474	35	2-13/64"		•
E113475	36	2-13/64"		•
E113476	38	2-13/64"		•
E041306	40	2-7/16"		•
E113477	41	2-7/16"		•
E113478	42	2-7/16"		•
E113479	46	2-31/64"		•
E041114	50	2-13/16"		•
SH34	Socket Holde	r	•	
	Steel I	Вох		•



E041502 3/4" **DRIVE REDUCING ADAPTER**

- 3/4" Drive Female x 1/2" Drive Male
 Ring and pin style socket retainer (Ring and pin not included)



E041503 1" DRIVE **REDUCING ADAPTER**

- 1" Drive Female x 3/4" Drive Male
- Ring and pin style socket retainer (Ring and pin not included)



STRIKING AND STRUCK HAMMERS AND PUNCH SETS



E150804

3-PC. BALL PEEN HAMMER SET

- Head hardness: 50-58 HRC
- Hickory handle

PRODUCT #	OVERALL LENGTH	WEIGHT OZ.	SET	
E150804	3-PC. Ball Peen Hammer Set			
E150106	10-53/64"	4		
E150107	11-13/16"	8	•	
E150108	13-25/32"	16	•	
E150109	15-19/32"	24	•	
E150110	15-3/4"	32		

NYLON HAMMERS

- Zinc-plated steel alloy head
- Wood handle
- .Two nylon tips

PRODUCT#	OVERALL LENGTH	WEIGHT OZ.
E150301	10-5/8"	0.44
E150302	11-27/64"	0.64
E150303	12-63/64"	1.32
E150304	13-25/32"	2.09

E150805

2-PC. DEAD-BLOW HAMMER SET

- Anti-vibration
- One-piece fixed handle
- Anti-static SBR (Styrene-Butadiene Rubber)

PRODUCT #	OVERALL LENGTH	WEIGHT OZ.	SET	
E150805	2-PC. Dead-Blow Hammer Set			
E150115	11-17/64"	17	•	
E150116	14-9/16"	53	•	

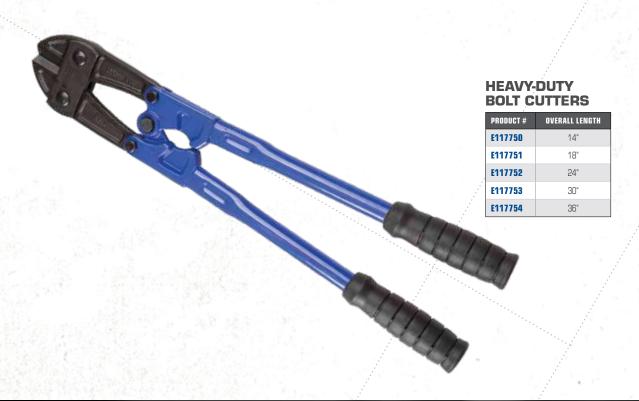
E418226

6-PC. METRIC DRIFT PUNCH SET

PRODUCT #	TIP SIZE MM	OVERALL LENGTH	SET
E418226	6-PC. Metric Drif	t Punch Set	
E418230	2	5-1/2"	•
E418231	3	5-1/2"	•
E418232	4	5-1/2"	•
E418233	5	5-1/2"	•
E418234	6	5-1/2"	•
E418235	8	5-1/2"	•









N/ASTER SET



SUPPORTING TOMORROW'S TECHNICIAN DEEP DISCOUNTS Up to 60% Discounts Required Complete S 50% Discounts on m tools, air tools, toolbox

- Up to 60% Discounts on School Required Complete Sets
- 50% Discounts on most hand tools, air tools, toolboxes

STUDENT TECH PROGRAM GUIDE





SECTION

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FOMER TOOLS





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CORDLESS COMBO KITS

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20V MAX* CORDLESS

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12V MAX* CORDLESS

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BATTERIES AND CHARGERS



GORDLESS GOMBO KITS



BWP152-891GP1D1

3-PC. 20V MAX* BRUSHLESS COMBO KIT

INCLUDES:

- [1] **BWP152** 20V MAX* 1/2" Drive BL-SPEC™ High-Torque Brushless Impact Wrench
- (1) MCF891 20V MAX* 3/8" Drive BL-SPEC™ Brushless Impact Wrench
- [1] MCLO44 20V MAX* Hand-Held Work Light
- (1) DCB203G 20V MAX* Oil-Resistant 2.0Ah Battery
- (1) DCB205G 20V MAX* Oil-Resistant 5.0Ah Battery
- [1] DCB115 12V-20V MAX* Battery Charger
- [1] MTB002 Medium Tool Bag



MCF894-891GP1D1

20V BL-SPEC 2-PC. IMPACT WRENCH COMBO KIT

INCLUDES:

- (1) MCF894 BL-SPEC[™] 1/2" Drive Mid-Torque Impact Wrench
- (1) MCF891 BL-SPEC[™] 3/8" Drive Impact Wrench
- (1) DCB203G 20V MAX* Oil-Resistant 2.0Ah Battery
- (1) DCB205G 20V MAX* Oil-Resistant 5.0Ah Battery
- [1] DCB115 12V-20V MAX* Battery Charger



With respect to 12V/20V MAX. Maximum initial battery pack voltage (measured without a workload) is 12V/2 Moseured inclose workload, prominal voltage is 10.8 //8



INCLUDES:

- [1] **BWP152** 20V MAX* 1/2" Drive BL-SPEC™ High-Torque Impact Wrench
- [1] MCF891 20V MAX* 3/8" Drive BL-SPEC™ Impact Wrench
- [1] MCF886 20V MAX* 1/4" Hex Drive BL-SPEC™ Impact Driver
- [1] MCD791 20V MAX* BL-SPEC™ Drill Driver
- [1] MCLO44 20V MAX* Hand-Held LED Work Light
- [2] DCB205G 20V MAX* Oil-Resistant 5.0Ah Battery
- [1] DCB115 12V-20V MAX* Battery Charger

PRODUCT #	STYLE	ТҮРЕ	Breakaway Torque FT. LBS. / Nm	RPMS	TORQUE RANGE FT. LBS.	WEIGHT LBS.	WARRANTY
MCK503GP2	Combination	Impact Wrench Kit	1,200 / 1,625 (BWP152)	0-400/1,200/1,900 (BWP152) 0-900/1,950/2,800 (MCF886) 0-900/1,950/2,800 (MCF891)	250 (MCF886) 275 (MCF891)	-	See Individual Components For Warranty Info

MCK403GP1D1

20V BL-SPEC™ 4-TOOL COMBO KIT **INCLUDES:**

- [1] **BWP152** 20V MAX* BL-SPEC™ 1/2" Drive High-Torque Impact Wrench
- [1] **MCF891** 20V MAX* BL-SPEC™ 3/8" Drive Impact Wrench
- [1] MCF886 20V MAX* BL-SPEC™ 1/4" Drive Impact Driver
- [1] DCB205G 20V MAX* Oil-Resistant 5.0Ah Battery
- [2] DCB203G 20V MAX* Oil-Resistant 2.0Ah Battery
- [1] DCB115 12V-20V MAX* Battery Charger
- [1] MCL044 20V MAX* Hand-Held LED Work Light



PRODUCT #	STYLE	ТУРЕ	CHUCK CAPACITY In.	BREAKAWAY TORQUE FT. LBS. / Nm	RPMS	TORQUE RANGE FT. LBS.	WARRANTY
MCK403GP1D1	Combination	Cordless Tool Kit	1/4" Drop & Load Hex (Impact Driver)	1,200 / 1,625 (BWP152)	0-400/1,200/1,900 (BWP152) 0-900/1,950/2,800 (MCF886) 0-900/1,950/2,800 (MCF891)	250 (MCF886) 275 (MCF891)	See Individual Components For Warranty Info

GORDLESS GOMBO KITS

MCK278GP1D1

20V BL-SPEC™ DRILL/DRIVER KIT

INCLUDES:

- (1) MCF886 20V MAX* BL-SPEC™ 1/4" Impact Driver
- (1) MCD791 20V MAX* BL-SPEC™ 1/2" Drill
- (1) DCB205G 20V MAX* Oil-Resistant 5.0Ah Battery
- (1) DCB203G 20V MAX* Oil-Resistant 2.0Ah Battery
- [1] DCB115 12V-20V MAX* Battery Charger
- (1) MTB001 Small Tool Bag



	PRODUCT# STYLE TYPE BREAKAWAY TORQUI		Breakaway Torque Ft. LBS. / Nm	RPMS	CHUCK CAPACITY In.	WARRANTY	
4	MCK278GP1D1	Combination	Impact Kit	1,200 / 1,625 (BWP152)	0-900/1,950/2,800 (MCF886) 0-550 (low), 0-2,000 (high) (MCD791)	1/4" Drop & Load Hex (Impact Driver); 1/2" Metal Ratcheting Chuck	See Individual Components For Warranty Info

MCK1220GP1D1 (IMAGE NOT SHOWN)

12V/20V RATCHET/IMPACT COMBO

- [1] **BWP152** 20V MAX* 1/2" Drive BL-SPEC™ High-Torque Impact Wrench
- [1] BRS038 12V MAX* 3/8" Drive Cordless Ratchet
- (1) DCB205G 20V MAX* Oil-Resistant 5.0Ah Battery
- [1] DCB203G 20V MAX* Oil-Resistant 2.0Ah Battery
- [1] DCB115 12V-20V MAX* Battery Charger
- [1] MTB001 Small Tool Bag

	PRODUCT #	STYLE	ТҮРЕ	Breakaway Torque FT. LBS. / Nm	RPMS	TORQUE RANGE Ft. LBS.	WARRANTY
11.05	MCK1220GP1D1	Combination	Impact Kit	1,200 / 1,625 (BWP152)	0-400/1,200/1,900 (BWP152) 0-200 (BRS038)	40 (BRS038)	See Individual Components For Warranty Info

MCK305GP1D1 (IMAGE NOT SHOWN)

20V MAX* IMPACT - LIGHT COMBO KIT

INCLUDES:

- [1] **BWP152** 20V MAX* 1/2" Drive BL-SPEC™ High-Torque Brushless Impact Wrench
- [1] MCF891 20V MAX* 3/8" Drive Impact Wrench
- (1) MCL044 20V MAX* Hand-Held Worklight
- (1) AP1624 1/2" Drive X 3/4" Drive Impact Socket Adapter
- [1] AP2416RB 2-PC. 3/4" Drive X 1/2" Drive Impact Socket Adapter
- [1] AP1612RB 2-PC. 1/2" Drive X 3/8" Drive Impact Socket Adapter
- [1] DCB205G 20V MAX* Oil-Resistant 5.0Ah Battery
- [1] DCB203G 20V MAX* Oil-Resistant 2.0Ah Battery
- [1] DCB115 12V-20V MAX* Battery Charger
- [1] MTB002 Medium Tool Bag

PRODUCT #	STYLE	ТҮРЕ	Breakaway Torque Ft. LBS. / Nm	RPMS	Torque range FT. LBS.	WARRANTY
MCK305GP1D1	Combination	Impact Kit	1,200 / 1,625 (BWP152)	0-400/1,200/1,900 (BWP152) 0-2,000 (BWP138)	325 (BWP138)	See Individual Components For Warranty Info

MCK201GP1D1

20V MAX* COMBINATION IMPACT WRENCH/UNDERHOOD LIGHT KIT

- [1] MCF891 20V MAX* BL-SPEC™ 3/8" Drive Impact Wrench
- [1] MCL045 20V MAX* Underhood Light
- (1) **DCB205G** 20V MAX* Oil-Resistant 5.0Ah Battery
- (1) DCB203G 20V MAX* Oil-Resistant 2.0Ah Battery
- [1] DCB115 12V-20V MAX* Battery Charger



PRODUCT #	STYLE	ТҮРЕ	CHUCK SIZE	RPMS	WEIGHT LBS.	WARRANTY
MCK201GP1D1	Combination	Cordless Tool Kit	-	-	10	See Individual Components For Warranty Info



BRUSHLESS MOTOR

Brushless motors are typically 85-90% efficient. As apposed to brushed DC motors are around 75-80% efficient.

This difference in efficiency means that more of the total power used by the motor is being turned into rotational force and less energy is being lost from friction.

POWERFUL MOTOR: Compact design

LOWER MAINTENANCE: No brushes to replace

HIGHER EFFICIENCY: Longer run time on single charge



MCF886 20V MAX* 1/4" HEX **DRIVE BRUSHLESS IMPACT DRIVER**

50Y



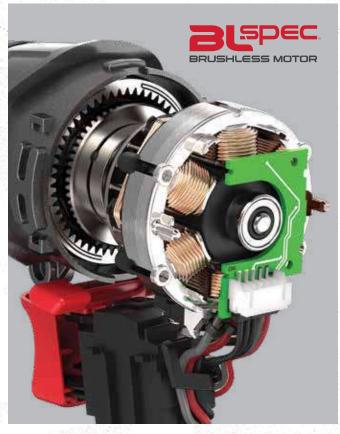
MCF891 20V MAX* 3/8" **DRIVE BRUSHLESS IMPACT WRENCH**



BWP152 20V MAX* 1/2" DRIVE **BRUSHLESS HIGH-TORQUE IMPACT WRENCH**

CORDIESS TOOLS PERFORMANCE





BL-SPEC™ BRUSHLESS MOTOR

A microcircuit board adjusts power according to the task with greater efficiency by distributing energy to stationary windings



R-SPEC™ BATTERY

Designed for automotive technicians with features that will endure the everyday abuse of a shop environment



ERGONOMIC HANDLE

Forward handle design with rubber over-mold delivers balance control and comfort



ANTI-MARRING BUMPERS

Protects tool and work surface from damage



VARIABLE-SPEED TRIGGER

Electronic brake for control and versatility



GLASS-FILLED NYLON BODY

Resistant to most automotive fluids

PRODUCT #	BLOWS PER MINUTE	BREAKAWAY TORQUE FT. LBS. / Nm	FREE SPEED RPMS.	ANVIL SIZE	LENGTH In. / MM	TOOL WEIGHT LBS. / KG.	VOLTAGE	BL-SPEC
MCF886	0-3,200	250 / 339	0-900/1,950/2,800	1/4	5.53" / 140.5	4.25 / 1.94	20V MAX*	•
MCF891	0-3,200	275 / 373	0-900/1,950/2,800	3/8"	5.53" / 140.5	4.3 / 1.95	20V MAX*	•
BWP152	0-2,400	1,200 / 1,627	0-400/1,900/1,900	1/2"	8.5" / 215.9	5.8 / 2.6	20V MAX*	•

20V MAX* BL-SPEC BRUSHLESS IMPACTS

BWP152 (BATTERY NOT INCLUDED)

20V MAX* 1/2" DRIVE BL-SPEC HIGH-TORQUE IMPACT WRENCH

- Impact features Impact Assist Technology
- · Glass-filled nylon body withstands most automotive fluids
- 1/2" Drive anvil with hog-ring for easy socket changes
- · Variable-speed trigger for control and versatility
- R-Spec[™] batteries provide optimum performance and durability
- Forward handle design with rubber overmold for superior balance, control, and comfort
- · Anti-marring bumpers protect the tool
- Brushless motor increases runtime
- Ability to remove 740 nuts per charge on average when removing a 1-7/16 nut at 100 ft. lbs. with a 4AH battery

BWP152GP2

20V MAX* 1/2" DRIVE BL-SPEC HIGH-TORQUE IMPACT WRENCH KIT

INCLUDES:

- (1) **BWP152** 20V MAX*
 - 1/2" Drive BL-Spec High-Torque Impact Wrench
- [2] DCB205G 20V MAX* Oil-Resistant 5.0Ah Battery
- [1] DCB115 12V-20V MAX* Battery Charger
- [1] MTB001 Small Tool Bag



BWP152GX1

20V MAX* 1/2" DRIVE BL-SPEC HIGH-TORQUE IMPACT WRENCH KIT

INCLUDES:

- [1] **BWP152** 20V MAX*
 - 1/2" Drive BL-Spec High-Torque Impact Wrench
- [1] DCB609G 20/60V MAX* FlexVolt® Oil Resistant 9.0Ah Battery
- [1] DCB118 20V MAX* Charger

PRODUCT #	STYLE	ТҮРЕ	Breakaway Torque Ft. LBS. / Nm	RPMS	BLOWS PER MINUTE	WEIGHT LBS.	WARRANTY
BWP152	Cordless	Impact Wrench	1,200 / 1,625	0-400/1,200/1,900	0-2,400	1	3 year
BWP152GP2	Cordless	Impact Wrench Kit	1,200 / 1,625	0-400/1,200/1,900	0-2,400	-	See Individual Components For Warranty Info
BWP152GX1							

MCF886 (BATTERY NOT INCLUDED)

20V MAX* 1/4" HEX DRIVE BL-SPEC BRUSHLESS IMPACT DRIVER

MCF886GP1D1

20V MAX* 1/4" HEX DRIVE BL-SPEC BRUSHLESS IMPACT DRIVER KIT

INCLUDES:

- (1) MCF886 20V MAX* 1/4" Hex Drive BL-Spec Brushless Impact Driver
- (1) DCB203G 20V MAX* Oil-Resistant 2.0Ah Battery
- (1) DCB205G 20V MAX* Oil-Resistant 5.0Ah Battery
- [1] DCB115 12V-20V MAX* Battery Charger
- [1] MTB001 Small Tool Bag



MCF891 (BATTERY NOT INCLUDED)

20V MAX* 3/8" DRIVE BL-SPEC BRUSHLESS IMPACT WRENCH

MCF891GP1D1

20V MAX* 3/8" DRIVE BL-SPEC BRUSHLESS IMPACT KIT

- [1] MCF891 20V MAX* 3/8" Drive BL-Spec Brushless Impact Wrench
- (1) DCB203G 20V MAX* Oil-Resistant 2.0Ah Battery
- (1) DCB205G 20V MAX* Oil-Resistant 5.0Ah Battery
- [1] DCB115 12V-20V MAX* Battery Charger
- (1) MTB001 Small Tool Bag

CORDLESS TOOLS 20V MAX* TOOLS

MCM848 (TOOL ONLY)

20V MAX* 5" VARIABLE-**SPEED RANDOM ORBIT POLISHER**

MCM848P2

20V MAX* 5" VARIABLE-SPEED RANDOM ORBIT **POLISHER KIT**

INCLUDES:

- [1] MCM848 20V MAX* Variable-Speed Random Orbit Polisher - 5"
- (2) MBR205 20V MAX* R-Spec Li-lon Battery - 5.0Ah
- (1) MCB115 12V-20V MAX* Battery Charger
- (1) 5" Backing Plate
- (1) Side Handle
- (1) Torx® Key
- (1) Kit Bag

MCM848GX1

20V MAX* 5" VARIABLE SPEED RANDOM ORBIT **POLISHER KIT**

INCLUDES:

- [1] MCM848 20V MAX* Variable-Speed Random Orbit Polisher - 5"
- [1] DCB609G 20/60V MAX* FlexVolt® Oil Resistant 9.0Ah Battery
- (1) DCB118 20V MAX* Charger





MCM849 (TOOL ONLY)

20V MAX* 7" VARIABLE SPEED ROTARY POLISHER

MCM849P2

20V MAX* 7" VARIABLE SPEED ROTARY POLISHER KIT

INCLUDES:

- [1] MCM849 20V MAX* Variable-Speed Rotary Polisher - 7"
- (2) MBR205 20V MAX* R-Spec Li-lon Battery - 5.0Ah
- (1) MCB115 12V-20V MAX* Battery Charger
- (1) 7" Backing Plate
- (1) Side Handle
- (1) Bail Handle
- (1) Kit Bag

MCM849GX1

20V MAX* 7" VARIABLE SPEED ROTARY POLISHER KIT

- [1] MCM849 20V MAX* Variable-Speed Rotary Polisher - 7"
- (1) DCB609G 20/60V MAX* FlexVolt® Oil Resistant 9.0Ah Battery
- (1) DCB118 20V MAX* Charger

PRODUCT #	STYLE	ТҮРЕ	CHUCK SIZE	RPMS	WEIGHT LBS.	WARRANTY
MCM848	Random Orbit	Polisher	-	2,000-5,500	1	3 year
MCM848P2	Random Orbit	Polisher	-	2,000-5,500	1	3 year
MCM848GX1						
MCM849	Rotary	Polisher	-	800-2,200	1	3 year
MCM849P2	Rotary	Polisher	-	800-2,200	1	See Individual Components For Warranty Info
MCM849GX1						

MCM401 (TOOL ONLY)

20V MAX* 2" SANDER/3" POLISHER

MCM401D1

20V MAX* 2" SANDER/3" POLISHER KIT

INCLUDES:

- [1] MCM401 20V MAX* 2" Sander/3" Polisher
- [1] MBR203 20V MAX* R-Spec™ Li-Ion Battery 2.0Ah
- [1] MCB115 12V-20V MAX* Battery Charger



PRODUCT #	STYLE	ТҮРЕ	RPMS	WEIGHT LBS.	WARRANTY
MCM401	Rotary	Polisher/Sander	0-3,000/0-5,000/0-9,000	1	3 year
MCM401D1	Rotary	Polisher/Sander		1	3 year

MCF894 (TOOL ONLY)

20V MAX' 1/2" DRIVE BRUSHLESS MID-TORQUE IMPACT WRENCH

- Impact features Impact Assist Technology
- Exceptional lightweight compact power
- Variable speed switch
- · Glass-filled nylon housing
- LED work light
- Ergonomic handle
- Anti-marring bumpers

MCF894GP2

20V BL-SPEC 1/2" DRIVE MID-TORQUE IMPACT KIT

- [1] MCF894 20V MAX* 1/2" Drive BL-SPEC™ Mid-Torque Impact Wrench
- [1] DCB205G 20V MAX* Oil-Resistant 5.0Ah Battery
- [1] DCB115 12V-20V MAX* Battery Charger





PRODUCT #	STYLE	TYPE	BREAKAWAY TORQUE FT. LBS. / Nm	WEIGHT LBS.	WARRANTY
MCF894	Cordless	Impact Wrench	600 / 813	1	1 year
MCF894GP2	2 Cordless Impact Wrench Kit		600 / 813	-	1 year





CORDIESS TOOLS 12V MAX* TOOLS

MCF601 (TOOL ONLY)

12V MAX* 1/4" DRIVE BRUSHLESS SCREWDRIVER

MCF601G2

12V MAX* BRUSHLESS SCREWDRIVER KIT

INCLUDES:

- (1) MCM601 12V MAX* 1/4" Drive Brushless Screwdriver
- [2] MBR124 12V MAX R-Spec[™] 3-Ah Li-lon Battery
- (1) MCB112 12V-20V MAX* Battery Charger



MCF801 (TOOL ONLY)

12V MAX* 1/4" BRUSHLESS IMPACT DRIVER

MCF801G2

12V MAX* 1/4" BRUSHLESS IMPACT DRIVER KIT

- (1) MCM801 12V MAX* 1/4" Drive Brushless Impact Driver
- [2] **MBR124** 12V MAX* R-Spec[™] 3-Ah Li-lon Battery
- (1) MCB112 12V-20V MAX* Battery Charger



PRODUCT #	STYLE	ТУРЕ	CHUCK SIZE	RPMS	WEIGHT LBS.	WARRANTY
MCF601	Driver	Screw	1/4"	0-1400	1	1 year
MCF601G2	Driver	Screw	1/4"	0-1400	1	See Individual Components For Warranty Info
MCF801	Driver	Impact	-	0-950/0-1,950/0-2,850	1	1 year
MCF801G2	Driver	Impact	-	0-950/ 0-1,950/0-2,850	1	See Individual Components For Warranty Info
MCM401	Rotary	Polisher/Sander	-	0-3,000/0-5,000/0-9,000	1	3 year
MCM401D1	Rotary	Polisher/Sander	-		1	3 year

GOZIDIESS TOOLS 12V MAX* TOOLS AND DRIVE RATCHETS

MCK211G2

12V MAX* 1/4" BRUSHLESS IMPACT DRIVER AND 3/8" DRILL / DRIVER COMBO KIT

INCLUDES:

- [1] MCF801 12V MAX* BL-SPEC™ 1/4" Drive Impact Driver
- [1] **MCD701** 12V MAX* BL-SPEC™ 3/8" Drill
- [2] MBR124 12V MAX* R-SPEC™ 3Ah Li-Ion Battery
- (1) MCB112 12V-20V Charger

MCK1220GP1D1

12V/20V MAX* COMBINATION IMPACT WRENCH/RATCHET KIT

INCLUDES:

- [1] MCF891 20V MAX* BL-SPEC™ 3/8" Drive Impact Wrench
- [1] BRS038 12V MAX* 3/8" Drive Cordless Ratchet
- [1] DCB203G 20V MAX* Oil-Resistant 2.0Ah Battery
- [1] DCB205G 20V MAX* Oil-Resistant 5.0Ah Battery
- [1] DCB115 12V-20V MAX* Battery Charger
- (1) MTB001 Small Tool Bag





PRODUCT #	STYLE	ТҮРЕ	CHUCK CAPACITY IN.	RPMS	WEIGHT LBS.	WARRANTY
MCK211G2	Combination	Cordless Tool Kit	1/4" Drop & Load Hex (Impact Driver); 3/8" Metal Ratcheting Chuck	0-950 / 0-1,950 / 0-2,850 (Impact Driver) 0-425 / 0-1,500 RPM (Drill/Driver)	1	See Individual Components For Warranty Info
MCK1220GP1D1	Combination	Cordless Tool Kit	-	-	7	See Individual Components For Warranty Info

FEATURES:

- Closed-head design for improved durability and reduced maintenance
- Die-cast aluminum for reduced weight and Maximum durability
- Trigger-activated LED light
- Automotive fluid-resistant glass-filled nylon body for improved durability

BRS025

12V MAX* 1/4" DRIVE RATCHET

BRS025-D2

12V MAX*1/4" DRIVE RATCHET KIT

INCLUDES:

- [1] BRS025 12V MAX* 1/4" Drive Ratchet
- (2) MBR127 12V MAX* R-Spec™ Battery 2.0Ah.
- (1) MCB115 12V-20V MAX* Battery Charger
- (1) MTB001 Small Tool Bag

- Forward/reverse lever
- Anti-marring bumpers protect tool and work surface from damage
- Variable-speed switch with electronic brake provides Maximum control

BRS038

12V MAX* 3/8" DRIVE RATCHET

BRS038-D2

12V MAX* 3/8" DRIVE RATCHET KIT

- (1) **BRS038** 12V MAX* 3/8" Drive Ratchet
- (2) MBR127 12V MAX* R-Spec[™] Battery 2.0Ah
- (1) MCB115 12V-20V MAX* Battery Charger
- [1] MTB001 Small Tool Bag



			The second second			
PRODUCT #	BREAKAWAY TORQUE FT. LBS. / Nm	FREE SPEED RPMS.	ANVIL SIZE	WEIGHT LBS. / KG.	LENGTH In. / MM	MAX* Voltage
BRS025	35 / 47	0 - 200	1/4"	1 / 2.1	12-2/5" / 304.8	12V Max*
BRS038	40 / 54	0 - 200	3/8"	1 / 2.1	12-2/5" / 304.8	12V Max*

BATTERIES/GHARGERS



* Battery not included with MCB115

R-Spec[™] batteries are designed to endure everyday abuse from automotive technicians.

Every R-Spec[™] battery features glass filled nylon housing which makes the resistant to most shop fluids and automotive cleaners. Available in up to 5.0AH, these R-Spec[™] batteries are Auto-Shop Tough.

MCB115

12 - 20V MAX* BATTERY CHARGER

 Charges both Mac Tools® and DEWALT® 12V MAX* and 20V MAX* batteries



DCB115
12V/20V MAX*
SINGLE-DOCK BATTERY CHARGER



MBR127 12V MAX* R-SPEC™

LI-ION 2.0AH BATTERY

MBR127-2

12V MAX* R-SPEC™ 2.0AH BATTERY - 2-PK

DCB124G

12V MAX*LI-ION 3.OAH BATTERY

DCB126G

12V MAX*LI-ION 5.OAH BATTERY



MBR124

12V MAX' R-SPEC 3-AH LI-ION BATTERY



MBR203

20V MAX* R-SPEC™ LI-ION 2.0AH BATTERY

MBR203-2

20V MAX* R-SPEC™ 2.0AH BATTERY - 2-PK



DCB203G

20V MAX*
OIL-RESISTANT
2.0AH BATTERY



DCB205G

20V MAX*
OIL-RESISTANT
5.0AH BATTERY



GREAT TO WORK WITHTM

AIAR TOOLS





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AIR IMPACT WRENCHES

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AIR HOSES AND COUPLERS



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KING OF THE SHOP



MAR



AVAILABLE IN FOUR MODELS



AIR INIPAGE AIR IMPACTS



TRIGGER ACTIVATED LED LIGHTINGPowerful removable dual LED ring illuminates work areas with minimal shadowing



COMPACT MAGNESIUM HOUSING 6.4"/162mm from anvil to rear in total length



HIGH PERFORMANCE BREAKAWAY TORQUE 1,400 ft. lbs. breakaway torque



FORWARD HANDLE DESIGN
Forward design with rubber over-mold
delivers balance, control, and comfort



PROPRIETARY FORGED ANVIL Improved anvil life through new manufacturing process and materials



INNOVATIVE VALVE DESIGNInnovative valve-lever designed for easy speed adjustment. Back cap grease fitting for ease of maintenance.

PRODUCT #	BREAKAWAY Torque FT. LBS. / Nm	AIR Consumption CFM	IMPACTS PER Minute FWD / REV	FREE SPEED RPMS REV / FRW 3 / FRW 2 / FRW 1	DESIRED AIR Pressure PSI	SOUND LEVEL DB[A]	VIBRATION Level M/S2	WEIGHT LBS. / KG.	LENGTH In. / MM.
MPF990381	700 / 950	6.1	1,300 / 1,400	10,000 / 9,000 / 8,000 / 3,000	90	95	5.5	3 / 1.4	5.6 / 143
MPF990501	1,400 / 1,898	5.9	1,100 / 1,200	6,500 / 5,500 / 4,500 / 2,200	90	94	6.4	4.8 / 2.2	6.4 / 162
MPF990501C	700 / 950	6.1	1,300 / 1,400	10,000 / 9,000 / 8,000 / 3,000	90	95	5.5	3 / 1.4	5.7 / 144
MPF992501	1,400 / 1,898	5.9	1,100 / 1,200	6,500 / 5,500 / 4,500 / 2,200	90	93	7.1	5 / 2.3	8.3 / 212



AIR IMPACT WRENCHES



Forward handle design for comfort and balanceMuffler pad designed to provide noise reduction

AWA050B

1/2" DRIVE 90° IMPACT WRENCH

AWAO38B (NOT SHOWN)

3/8" DRIVE 90° IMPACT WRENCH

- No reactionary torque saves knuckles
- Low-profile right angle head for close quarter access (similar to a ratchet)
- Twin-hammer mechanism for power
- Integrated protective head cover and anti-mar bumpers
- Power regulator/reverse ring for low or high-torque/easy reversing
- Ergo-soft grip for low vibration

				:					
PRODUCT#	BREAKAWAY TORQUE FT. LBS. / Nm	AIR CONSUMPTION CFM	IMPACTS PER MINUTE FWD / REV	FREE SPEED RPMS REV / FRW 3 / FRW 2 / FRW 1	DESIRED AIR PRESSURE PSI	SOUND LEVEL DB[A]	VIBRATION LEVEL M/S2	WEIGHT LBS. / KG.	LENGTH IN. / MM.
MPF980381	575 / 780	6.1	1,300 / 1,400	12,000 / 10,000 / 9,000 / 4,000	90	95	5.5	2.8 / 1.3	5.6 / 143
MPF980501	1,180 / 1,600	6.1	1,200 / 1,300	7,000 / 6,000 / 5,000 / 2,600	90	93	6.2	4.4 / 2	6.4 / 162
AWA050B	200	5	1,600 / 1,700	7,200	90	98	5.5	1.8 / 4.0	13.9 / 353
VIVIVUSOD	170	5	1 600 / 1 700	7 200	on	00	5.5	19/10	12 0 / 252



TIRE BURNIN' NITRO POWERED

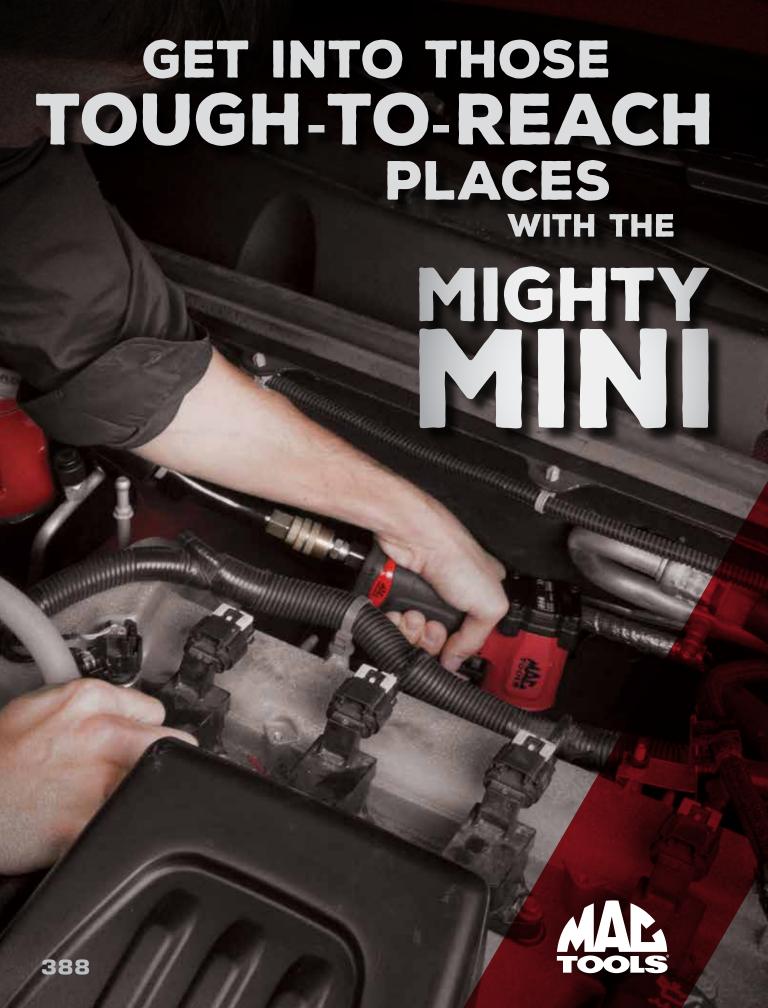


DOUG KALITTA DRIVER OF THE MAC TOOLS NHRA TOP FUEL DRAGSTER

Illustrious racing career including 43 career wins, which ranks among the top five in NHRA Top Fuel history. Kalitta is one of ten drivers with over 600 career round wins, and clinched his 20th straight top ten points finish in 2017.

- f /TeamKalitta
- **☞** @TeamKalitta & @Air_Doug
- ☑ @TeamKalitta

FGLOBAL





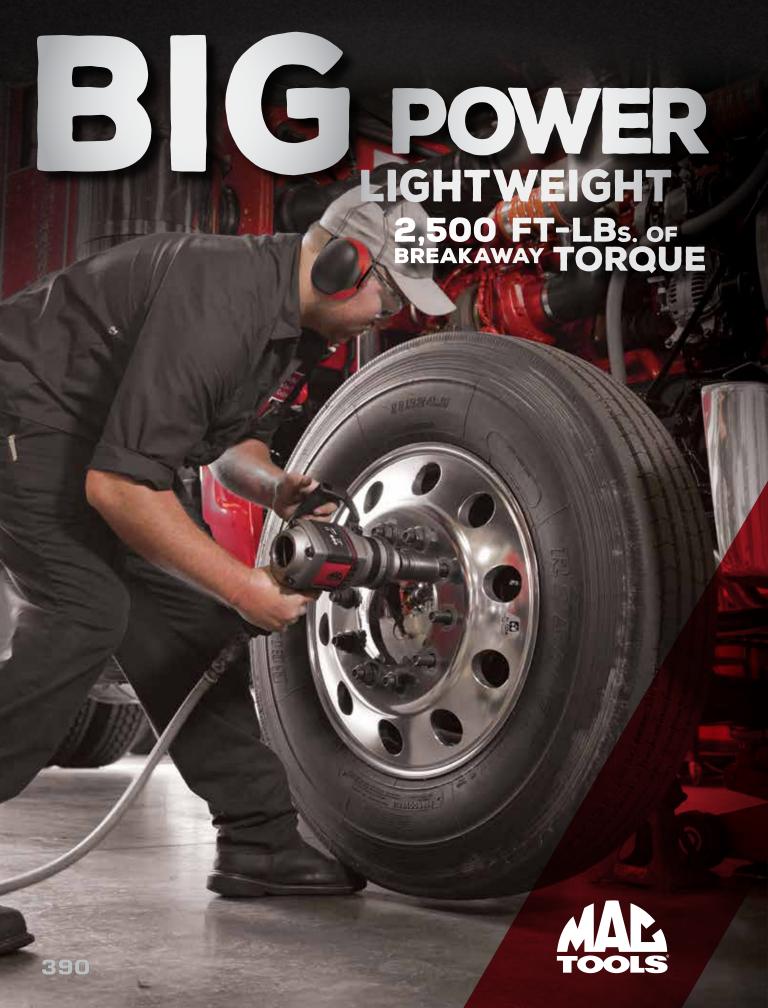
MINI IMPACT WRENCHES

SUB-COMPACT SIZE, BIG POWER!

- Variable-speed trigger for Maximum operator control
- One-hand power adjustment with three settings
- One-hand forward/reverse system
- Rubber grip that is resistant to automotive fluids
- Anti-marring rubber bumpers for protection
- Short 4.4" body to get in the tightest spots
- 635 ft-lbs. (AWP050M) of breakaway torque for most demanding applications.

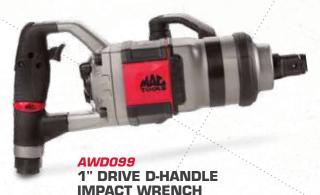


PRODUCT #	DRIVE SIZE	BREAKAWAY Torque	AIR Consumption CFM	AIR INLET NPT	IMPACTS PER MINUTE	DESIRED AIR Pressure PSI	FREE SPEED RPMS	MINIMUM Hose Size ID	SOUND LEVEL DB[A]	VIBRATION LEVEL M/S2	WEIGHT KG. / LBS.	LENGTH In. / MM
AWP050M	1/2"	635 ft-lbs.	4.5	1/4"	1,650	90	10,000	3/8"	108.1	9.57	1.3 / 2.8	4.4" / 112
AWP038M	3/8"	445 ft-lbs.	3	1/4"	1,260	90	6,000	3/8"	104.2	7.78	1.3 / 2.8	4.4" / 112





AIR MIDA GTAMBIET WRENCHES





Optional thumb trigger included on D-handle units





2,500 FT.-LBS. OF BREAKAWAY TORQUE

For the most demanding applications



COMFORT GRIPFor low vibration



LIGHTWEIGHTComposite body for low weight resulting in less fatigue



RUBBER BUMPER
For durability



2-STAGE TRIGGER
For more control

PRODUCT #	DRIVE SIZE	BREAKAWAY Torque Ft. Lbs.	AIR Consumption CFM	AIR Inlet NPT	IMPACTS PER MINUTE	DESIRED AIR PRESSURE PSI	FREE SPEED RPMS	MINIMUM Hose Size	SOUND LEVEL DB[A]	VIBRATION Level M/S2	WEIGHT LBS. / KG.	LENGTH In. / MM
AWD099	1"	2,500	12	1/2"	1,000	90	5,000	3/4"	104.4	14.75	7.6 / 16.8	13.6 / 345.4
AWD099-6	1"	2,500	12	1/2"	1,000	90	5,000	3/4"	105	15.6	17.9 / 8.1	19.4 / 492.8
AWP099	1"	2,500	12	1/2"	900	90	5,000	3/4"	100.9	6.87	16 / 7.3	9.6 / 243.8
AWP099-6	1"	2,500	12	1/2"	900	90	5,000	3/4"	100.1	8.32	17.1 / 7.8	15.4 / 391.2

1" DRIVE AIR IMPACT WRENCHES





3/4" DRIVE AIR IMPACT WRENCHES

AWP075

3/4" DRIVE TITANIUM **AIR IMPACT WRENCH**

- · Robust and durable twin-hammer mechanism for the toughest applications
- · Lightweight yet durable titanium housing
- Ergonomic handle is insulated and double-injected composite with chemical, and acid resistant rubber grip
- · Hog-Ring anvil makes for quick and easy changing of sockets
- · Featherable variable speed trigger for optimal speed control



PRODUCT #	DRIVE SIZE	BREAKAWAY Torque	AIR CONSUMPTION CFM	AIR INLET NPT	IMPACTS PER MINUTE	DESIRED AIR PRESSURE PSI	FREE SPEED RPMS	MINIMUM Hose Size ID	SOUND LEVEL DB[A]	VIBRATION Level M/S2	WEIGHT LBS. / KG.
AWP075	3/4"	1,560 ft-lbs.	7.2	3/8"	950	90	5,500	1/2"	97.8	10.7	8.4 / 3.8
AWP575B	3/4"	1,250 ft-lbs.	7.2	3/8"	850	90	5,500	1/2"	99.1	10.7	8.6 / 3.9



1,100 FT-LBS. BREAKAWAY TORQUE MPF972501 MPF970501

MPF972501

1/2" DRIVE ALUMINUM IMPACT WRENCH WITH 2" EXTENDED ANVIL

MPF970501

1/2" DRIVE ALUMINUM IMPACT WRENCH

- Heavy-duty power: 1,100 ft-lbs (1490 Nm) reverse breakaway torque
- Twin-hammer mechanism for power and longevity
- Variable-speed trigger for speed control
- Reverse-bias motor provides more reverse torque to remove stubborn bolts
- Variable-valve design for dialed in speed control
- Textured anti-slip comfort grip

394

GREAT TO WORK WITHTM

CLASSIC ALUMINUM



1" DRIVE STRAIGHT ALUMINUM IMPACT WRENCH WITH 6" EXTENDED ANVIL

- Twin-hammer mechanism
- Aluminum housing
- D-handle design for improved ergonomics
- Three-position power regulator

1" DRIVE ALUMINUM IMPACT WRENCH

- Twin-hammer mechanism
- Aluminum two-piece construction
- Multi-position power regulator
- Variable-speed throttle



AWP575A

3/4" DRIVE HEAVY-DUTY IMPACT WRENCH

- Twin-hammer mechanism
- Aluminum two-piece construction
- Six-position power regulator
- Variable-speed throttle

AWP525A

1/4" DRIVE MINI ALUMINUM IMPACT WRENCH

- Twin-hammer mechanism
- Aluminum housing
- One-hand forward/reverse control
- Pressure adjustment control knob



PRODUCT #	DRIVE Size	BREAKAWAY TORQUE FT-LBS.	AIR Consumption CFM	AIR INLET NPT	IMPACTS PER MINUTE	FREE SPEED RPMS	MINIMUM Hose Size ID	SOUND LEVEL DB[A]	VIBRATION LEVEL M/S2	WEIGHT LBS. / KG.
MPF970501	1/2"	1,100	5.2	3/8"	1,030 / 1,120	6,260	3/8"	90	5.2	5.2 / 2.8
MPF972501	1/2"	1,100	5.2	3/8"	1,030 / 1,120	6,260	3/8"	90	5.2	5.2 / 2.8
AWD599A-6	1"	3,000	8.6	1/2"	720	5,700	3/4"	102	15.2	24.2 / 11.0
AWP599A	1"	3,000	8.6	1/2"	720	4,400	3/4"	103.4	16.7	22.7 / 10.3
AWP575A	3/4"	1,770	6.8	3/8"	790	5,500	1/2"	98.4	9.1	13.4 / 6.1
AWP525A	1/4"	40	5	1/4"	500	9,000	3/8"	91	6.6	2.2 / 1

AIR RATCHETS



PRODUCT #	DRIVE SIZE	AIR CONSUMPTION CFM	AIR INLET NPT	FREE SPEED RPMS	MAXIMUM Torque FT-LBS.	MINIMUM Hose Size	SOUND LEVEL DB[A]	VIBRATION Level M/S2	WEIGHT LBS. / KG.	LENGTH In. / MM
AR14RP	1/4"	2	1/4"	500	50	3/8"	90	4.5	1.3 / 0.6	6-1/4" / 160
AR38RP	3/8"	2	1/4"	500	55	3/8"	91	4.5	1.3 / 0.6	6-1/4" / 160
ARO38B	3/8"	3.7	1/4"	350	65	3/8"	89.3	5.57	2.9 / 1.3	12-2/5" / 314
AR1776	3/8"	3.3	1/4"	200	80	3/8"	85	3.55	3.25 / 1.5	12" / 304.8
AR778RH	3/8"	3.3	1/4"	200	68	3/8"	80.2	2.8	3.5 / 1.6	9-3/4" / 248.9
AR249RH	1/4"	2.8	1/4"	250	25	3/8"	86.7	2.8	1.5 / 0.7	7-7/8" / 248.9
AR778A	3/8"	3.3	1/4"	200	80	3/8"	80.2	2.8	3.5 / 1.6	9-3/4" / 248.9
AR251	1/4"	2.8	1/4"	250	20	3/8"	86.7	2.8	1.5 / 0.7	7-7/8" / 248.9
AR249	1/4"	2.8	1/4"	250	25	3/8"	86.7	2.8	1.5 / 0.7	7-7/8" / 248.9



PRODUCT #	DRIVE SIZE	AIR Consumption CFM	AIR INLET NPT	FREE SPEED RPMS	MAXIMUM Torque FT-LBS.	MINIMUM Hose Size ID	SOUND LEVEL DB[A]	VIBRATION Level M/S2	WEIGHT LBS. / KG.	LENGTH In. / MM
AR154	3/8"	4	1/4"	150	50	3/8"	91	3.5	2.5 / 1.1	10" / 254

AIR DRILLS COMPOSITE AIR DRILLS



- **AIR DRILL** • Small size makes this drill perfect for dash interior and aircraft work
- · Composite body
- One-hand forward/reverse



- Lightweight composite body
- Dual one-hand forward/reverse switch
- · Variable-speed trigger
- Rear exhaust



- · Lightweight composite body
- Dual one-hand forward/reverse switch
- · Variable-speed trigger
- Rear exhaust

ALUMINUM AIR DRILLS



3/8" ANGLE HEAD DRILL

- 90º Angle head fits in tight spaces
- · Reversible and lightweight
- 3/8" Jacobs[™] multi-craft key chuck



3/8" KEYLESS CHUCK **REVERSIBLE DRILL**

- Lightweight, balanced 3/8" drill is great for most applications
- · Variable-speed trigger control
- 3/8" Jacobs™ keyless chuck
- Easy access forward/reverse lever
- Textured grip



1/2" KEYLESS CHUCK **REVERSIBLE DRILL**

- Well-balanced to reduce fatigue
- Variable-speed trigger control
- 1/2" Jacobs™ keyless chuck
- Easy access forward/reverse lever
- Textured grip
- · Includes guide handle

PRODUCT#	CHUCK Capacity	AIR CONSUMPTION CFM	AIR INLET NPT	FREE SPEED RPMS	SPINDLE SIZE In Thread	MINIMUM Hose Size	SOUND LEVEL DB[A]	VIBRATION LEVEL M/S2	WEIGHT LBS. / KG.	LENGTH IN. / MM
COMPOSITE										
ADC1400	1/4"	4	1/4"	2600	3/8" - 24	3/8"	88	2.5	1.5 / 0.7	5-1/2" / 139.7
ADQP381	3/8"	4	1/4"	1800	3/8" - 24	3/8"	83	2.5	2.4 / 1.1	7-1/4" / 184.2
ADQP380	3/8"	4	1/4"	1800	3/8" - 24	3/8"	83	2.5	2.4 / 1.1	7-1/4" / 184.2
ALUMINUM										
AD3800AH	3/8"	4	1/4"	1200	3/8" - 24	3/8"	82	2.5	1.5 / 0.7	8" / 203.2
AD3800K	3/8"	4	1/4"	1800	3/8" - 24	3/8"	87	2.5	3 / 1.4	7" / 177.8
AD1200K	1/2"	4	1/2"	400	3/8" - 24	3/8"	87	2.5	4 / 1.8	7" / 177.8
AD590	1/2"	4	1/4"	800	3/8" - 24	3/8"	90	2.5	4 / 1.8	7-1/2" / 190.5
AD540		4	1/4"	1800	3/8" - 24	3/8"	90	2.5	2.9 / 1.3	7" / 177.8

AD590

1/2" REVERSIBLE AIR DRILL

- Variable-speed trigger control
- One-hand operation forward/reverse
- Includes guide handle

AD540

3/8" REVERSIBLE AIR DRILL

- Variable-speed triggerOne-hand reverse operationBottom handle exhaust



VA502T 3-PC. TITANIUM STEP DRILL SET Sold separately see page 376



ENOUGH HAMMER STRENGTH MAKE THOR JEALOUS



400



LONG BARREL AIR HAMMER AND CHISEL KIT

- (1) AH945P .401 Shank Hammer Air Hammer Bit 4"

PRODUCT #	AIR CONSUMPTION CFM	AIR INLET NPT	IMPACTS PER MINUTE	BORE Diameter In. / MM	CHISEL SHANK OPENING	STROKE LENGTH IN. / MM	MINIMUM Hose Size ID	VIBRATION Level M/S2	WEIGHT LBS. / KG.	LENGTH IN. / MM
MPH1911	2.6	1/4	2,400	.83 / 21	.401	3-3/4" / 95.25	3/8	10.4 in	5.4 / 2.45	9-1/2" / 241.3
MPH1931	3.2	1/4	3,100	.83 / 21	.401	2-1/3" / 50.8	3/8	7.4 in	4.6 / 2.09	7-5/16" / 177.8

AIR TOOLS ALUMINUM AIR HAMMER





AH2605

.401-SHANK QUICK-RELEASE AIR HAMMER BIT RETAINER

- · Precision ground hardened steel components
- Can be used with .401 shank tools and standard air hammer bits

PRODUCT #	AIR CONSUMPTION CFM	AIR INLET NPT	IMPACTS PER MINUTE	BORE Diameter In. / MM	CHISEL SHANK OPENING	STROKE Length In. / MM	MINIMUM Hose Size	SOUND LEVEL DB[A]	VIBRATION Level M/S2	WEIGHT LBS. / KG.	LENGTH In. / MM
AH520	3	1/4"	3000	3/4" / 19.1	.401	2-5/16" / 58	3/8"	99.2	7.4	4 / 1.8	6 3/4" / 175.5

PREMIUM CUT-OFF TOOLS



AT35A

3" FLEX HEAD CUT-OFF TOOL

- · 3-position, flexible head for greater access into tight work places
- Head adjusts 22-1/2° off center in either direction and locks into place for added versatility
- Ergonomic design cushion-grip handle
- Rear exhaust

402

- Safety throttle lever
- Built-in power regulator

ATR35

3" REVERSIBLE CUT-OFF TOOL

- · Reverses to direct sparks and debris away from the operator or plastic, glass, or painted surfaces
- Ergonomic design cushion-grip handle
- · Front metal guard and rear exhaust
- Safety throttle lever with graduated throttle control
- · Built-in power regulator

AT28

3" CUT-OFF TOOL

- Cuts muffler clamps and hangers, sheet metal, radiator hose clamps, bumper bolts, and even steel rods up to 3/4"
- Ergonomic design cushion-grip handle
- Front metal guard and rear exhaust
- · Safety throttle lever with graduated throttle control
- Built-in power regulator
- · Direct drive motor

PRODUCT #	AIR Consumption CFM	AIR INLET NPT	DISC SIZE	FREE SPEED RPMS	MINIMUM HOSE Size ID	SOUND LEVEL DB[A]	VIBRATION LEVEL M/S2	WEIGHT LBS. / KG.	LENGTH In. / MM
AT35A	4	1/4"	3"	18,000	3/8"	90	0.63	2.25 / 1.02	7-7/8" / 200
ATR35	4	1/4"	3"	13,000	3/8"	92	1.8	1.5 / .68	7-3/8" / 187
AT28	4	1/4"	3"	20,000	3/8"	90	1.9	1.5 / .68	6-3/4" / 171.5

AIR GUTEOFF TOOLS



- Miniature size for tight spaces
- Features low-noise technology
- Cushion-grip to reduce vibration
- Safety lock for swivel guard
- · Rotating air inlet, side exhaust
- · Safety throttle lever



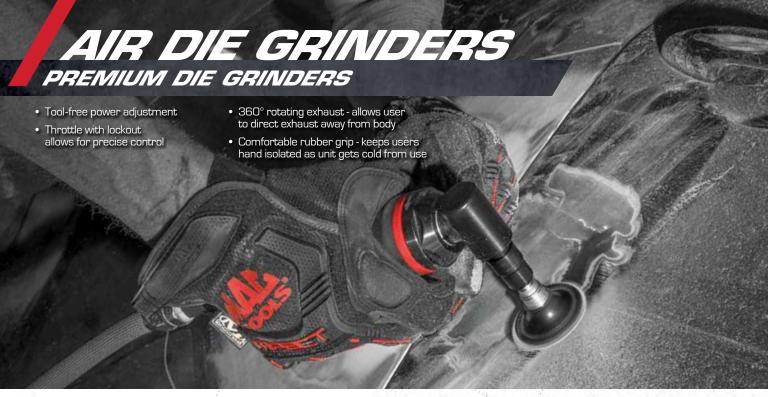
- Features low noise technology
- Cushion-grip to reduce vibration
- Safety lock for swivel guard
- · Rotating air inlet and rear air regulator
- Safety throttle lever



- 8-Position guard adjustment (126° radius)
- Cushion-grip to reduce vibration
- · Safety lock for swivel guard
- Rear exhaust
- · Rotating air inlet: 0.7 HP
- Safety throttle lever

- Features low noise technology
- 8-Position guard adjustment (126° radius)
- On bisingual days wile to take
- Cushion-grip to reduce vibrationSafety lock for swivel guard
- Rear exhaust
- Rotating air inlet: 0.7 HP
- · Safety throttle lever

PRODUCT #	AIR Consumption CFM	AIR INLET NPT	DISC SIZE	FREE SPEED RPMS	MINIMUM HOSE Size ID	SOUND LEVEL DB[A]	VIBRATION LEVEL M/S2	WEIGHT LBS. / KG.	LENGTH In. / MM
AT200	4	1/4"	2"	20,000	3/8"	81	2.5	1.1 / 0.5	5" / 127
ATQP30	4	1/4"	3"	20,000	3/8"	81	2.5	1.8 / 0.8	8" / 203
ATQP30S	4	1/4"	3"	16,000	3/8"	84	2.5	2.8 / 1.27	10-1/2" / 266.7
ATQP40EA	4	1/4"	4"	16,000	3/8"	84	2.5	4 / 1.81	15-3/4" / 400









90° DIE GRINDER

1/4" COLLET 0.3HP MOTOR 120° DIE GRINDER

1/4" COLLET 0.3HP MOTOR STRAIGHT DIE GRINDER





AG525AH90 1/4" COLLET 0.5HP MOTOR 90° DIE GRINDER

AG525S 1/4" COLLET 0.5HP MOTOR STRAIGHT DIE GRINDER

• 4" Extended straight head for tough to reach applications

EXTENDED DIE GRINDER

				2014/23/2017 11:10						
PRODUCT #	HORSE POWER Motor HP	COLLET	AIR CONSUMPTION CFM	AIR INLET NPT	FREE SPEED RPMS	MINIMUM HOSE SIZE	SOUND LEVEL DB[A]	VIBRATION Level M/S2	WEIGHT LBS. / KG.	LENGTH IN. / MM
AG325AH90	0.3	1/4"	2.7	1/4"	23,000	3/8"	85.9	4.54	1.2 / 0.54	6.5" / 165.1
AG325AH120	0.3	1/4"	2.7	1/4"	24,000	3/8"	84.8	5.22	1.2 / 0.54	7.5" / 190.5
AG325S	0.3	1/4"	2.7	1/4"	30,000	3/8"	84.8	2.42	1 / .045	6.3" / 160
AG325SE	0.3	1/4"	2.7	1/4"	28,000	3/8"	83.3	2.86	1.5 / 0.68	10.3" / 261.6
AG525AH90	0.5	1/4"	4	1/4"	18,500	3/8"	84.8	5.19	1.7 / 0.77	6.9" / 175.3
AG525S	0.5	1/4"	4	1/4"	25,000	3/8"	85.4	1.86	1.5 / 0.68	7" / 177.8

ANGLE GRINDERS



AG4500B

4-1/2" ANGLE GRINDER

Two-position side handle

2" ANGLE GRINDER

- · Comfortable rubber over-mold grip
- Lockout lever and side exhaust

INCLUDES:

AG200

#60, #80, and #120 Grit Wheels

PRODUCT #	DISC CAPACITY IN. / MM	AIR CONSUMPTION CFM	AIR INLET NPT	FREE SPEED RPMS	MINIMUM HOSE Size ID	SOUND LEVEL DB[A]	VIBRATION LEVEL M/S2	WEIGHT LBS. / KG.	LENGTH IN. / MM
AG4500B	4.5" / 114.3	3	1/4"	10,000	3/8"	99	1.2	4.25 / 1.93	228.6 / 9"
AG200	2" / 50.8	4	1/4"	20,000	3/8"	81	2.5	1.1 / 0.5	5" / 127

ALUMINUM DIE GRINDERS



AG14AH

1/4" COLLET ALUMINUM **0.3HP MOTOR ANGLE HEAD DIE GRINDER**

- Ball-bearing construction
- · Precision machined gears
- Front exhaust
- Regulator button



AG14

1/4" COLLET ALUMINUM **0.3HP MOTOR DIE GRINDER**

- Front exhaust
- · Regulator button

AG25

1/4" COLLET ALUMINUM **DIE GRINDER**

- Ball-bearing construction
- Lockout throttle lever
- Rear exhaust

AG25D

1/4" COLLET ALUMINUM **DIE GRINDER WITH** 3/8" DRILL CHUCK

- Ball-bearing construction
- Lockout throttle lever
- Rear exhaust

PRODUCT #	HORSE POWER Motor HP	COLLET	AIR CONSUMPTION CFM	AIR INLET NPT	FREE SPEED RPMS	MINIMUM Hose Size ID	SOUND LEVEL DB[A]	VIBRATION Level M/S2	WEIGHT LBS. / KG.	LENGTH In. / MM
AG14AH	0.3	1/4"	4	1/4"	18,000	3/8"	100.8	2.5	1 / .045	4-7/8" / 123.83
AG14	0.3	1/4"	3	1/4"	25,000	3/8"	100.8	2.5	1.5 / 0.68	4-3/4" / 120.65
AG25	0.5	1/4"	4	1/4"	20,000	3/8"	103.7	2.5	1.3 / 0.6	6-7/8" / 174.63
AG25D	0.5	1/4"	4	1/4"	20,000	3/8"	103.7	2.5	1.5 / 0.68	9" / 228.6
AG200	0.25	3/8"	4	1/4"	20,000	3/8"	81	2.5	1.1 / 0.5	5" / 127

AIR SANDERS ORBITAL SANDERS



AS6FMS-PSA **6" 3/32 ORBIT SMOOTH-OPERATION** PREMIUM DUAL-ACTION SANDER

• The 3/32" sanding action is less aggressive which allows for better control of material removal





AS6MS-PSA **6" SMOOTH-OPERATION DUAL-ACTION SANDER**

• The 3/16" sanding action is less aggressive which allows for better control of material removal



AS3MS-PSA **3" COMPOSITE RANDOM ORBITAL SANDER**



AS5MS-PSA **5" SMOOTH-OPERATION DUAL-ACTION SANDER**

ORBITAL SANDERS

- The 3/32 sanding action is less aggressive which allows for better control of material removal
- The lightweight and low-profile ergonomic design of this sander provides ease of handling and control
- · One-hand speed regulator
- One-piece hardened shaft-balancer
- Floating rotor for maximum power efficiency

PRODUCT #	PAD SIZE IN. / MM	AIR Consumption CFM	AIR INLET NPT	FREE SPEED RPMS	MINIMUM Hose Size	SOUND LEVEL DB[A]	VIBRATION LEVEL M/S2	WEIGHT LBS. / KG.
AS34MS-PSA	75 x 100 / 3" x 4"	3.3	1/4"	12,000	3/8"	80	3.2	1.65 / 41.9
AS3237MS-PSA	75 x 175 / 3-2/3" x 7"	3.3	1/4"	12,000	3/8"	79	3.3	1.74 / 44.2
AS3237MS-JH	75 x 175 / 3-2/3" x 7"	3.3	1/4"	12,000	3/8"	79	3.3	1.74 / 44.2
AS406	6" / 152.4	4	1/4"	10,000	3/8"	96.4	5	4.5 / 114.3
AS408	8" / 203.2	4	1/4"	900	3/8"	98	3.7	4.8 / 121.9
AS3MS-PSA	3" / 76.2	3.3	1/4"	12,000	3/8"	74	2.7	1.74 / 44.2
AS5MS-PSA	5" / 127	3.3	1/4"	12,000	3/8"	80	3.2	1.65 / 41.9
AS6MS-PSA	6" / 152.4	3.3	1/4"	12,000	3/8"	79	3.3	1.74 / 44.2
ASGFMS-PSA	6" / 152.4	3.3	1/4"	12,000	3/8"	83	3.3	1.68 / 42.7



AS406

6" DUAL-ACTION SANDER

- · Swirl-free finishes from its dual action pad motion
- Vibration-free by the balanced ball bearing construction
- · Built-in regulator for positive speed control
- · Built in silencer muffles sound
- · Safety lever to prevent accidental start ups



AS34MS-PSA

ORBITAL SANDER

- Variable speed control with palm style on/off lever
- Ergonomic cushion-grip for comfort and stability
- Low profile for control and comfort
- · Rear exhaust directs air away
- · Suggested applications: sanding and finishing a variety of materials including wood, metal, plastic, fiberglass composites, solid surfaces and other sandable surfaces



AS408

8" GEARED ORBITAL SANDER

- · Built to reduce load-up and heat generation
- · Balanced double-raw ball bearing construction eliminates most vibration
- · Variable-speed controls



AS3237MS-PSA

ORBITAL SANDER WITH PSA PAD

AS3237MS-JH

ORBITAL SANDER WITH HOOK PAD

- Variable speed control with palm style on/off lever
- Ergonomic cushion-grip for comfort and stability
- Low profile for control and comfort
- Rear exhaust directs air away
- Suggested applications: sanding and finishing a variety of materials including wood, metal, plastic, fiberglass composites, solid surfaces and other sandable surfaces



AIR SANDERS SANDERS AND POLISHERS

AS517 3" DUAL-ACTION **PISTOL SANDER**

- Easy-access air regulator
- Variable-speed throttle
- · Hook and loop backing pads



5" HIGH-SPEED ROTARY PISTOL SANDER

- Ergonomic design cushion-grip handle
- Variable-speed throttle
- · Direct-drive motor
- Handle exhaust
- 2-7/8" and 4-1/2" Phenolic backing pad



AS717

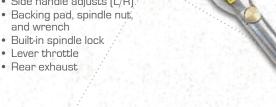
7" AIR SANDER

- Lever throttle
- · Wheel lock
- Ball-bearing construction
- Rear exhaust
- · Safety disc cover
- Side handle adjusts (L/R)



8" POLISHER

- Side handle adjusts (L/R).
- and wrench
- · Built-in spindle lock
- Lever throttle
- · Rear exhaust



AS230V

7" TWO HANDED **VERTICAL SANDER**

AP240V

8" TWO HANDED **VERTICAL POLISHER**

- Fingertip lever power control
- V-grip handles







PRODUCT #	DISC CAPACITY In. / MM	AIR Consumption CFM	AIR INLET NPT	FREE SPEED RPMS	MINIMUM HOSE Size ID	SOUND LEVEL DB[A]	VIBRATION LEVEL M/S2	WEIGHT LBS. / KG.	LENGTH In. / MM
PISTOL SANDERS									
AS517	3" / 76	4	1/4"	15,000	3/8"	86	1.8	2 / 0.61	4-1/2" / 114.3
AS15	5" / 127	4	1/4"	20,000	3/8"	92	1.2	2 / 0.61	4-3/4" / 120.7
90° SANDERS									
AS717	7" / 177.8	11	1/4"	5,000	3/8"	99	1.8	6.375 / 1.94	14-3/4" / 374.7
AP720	8" / 203	11	1/4"	2,800	3/8"	99	2	6.375 / 1.94	14-3/4" / 374.7
TWO HANDED SAND	ERS								
AS230V	7" / 177.8	9	1/4"	5,000	3/8"	99	2.5	5 / 1.52	8" / 203.2
AP240V	8" / 203	9	1/4"	2,200	3/8"	99	2.5	5 / 1.52	8" / 203.2

AIR SANDERS AND SURFACE BLASTER



AS316 STRAIGHT-LINE AIR SANDER 2-1/2" X 16"

- Smooth, reliable power from the twin-piston design
- Quick-action paper clamps
- Dual pistons provide efficient power and prevent stalling
- Two-handle design for comfortable operation





AS20

20MM WIDE MINI BELT SANDER

- Rotating air inlet adjusts itself for ease of use
- Features molded grip and safety lever



REPLACEI	/I E I U I	DELIJ
PRODUCT #	GRIT	USE
DABF1H0410	40	AS20
DABF1H0610	60	AS20
DABF1H0810	80	AS20
DWAF1H1210	120	AS20
AS775-B	60	AS10
AS775-B80	80	AS10
AS775-B120	120	AS10



MB6901 SURFACE BLASTER

- Compatible with multiple style blaster wheels
- · Rear exhaust directs air away from user
- Safety throttle lever helps prevent accidental engagement

MB6901-KIT SURFACE BLASTER KIT INCLUDES:

(1) **MB6901** Blaster (2) Rubber Wheels (3) Grinding Discs Necessary Adapters



PRODUCT #	BELT / PAD SIZE IN. / MM	AIR Consumption CFM	AIR INLET NPT	FREE SPEED RPMS	MINIMUM Hose Size ID	SOUND LEVEL DB[A]	VIBRATION Level M/S2	WEIGHT LBS. / KG.	LENGTH IN. / MM
AS316	2-1/2" x 16" / 63.5 x 406.4	7	1/4"		3/8"	98	14.9	7	2-1/2" x 16"
AS20	3/4" x 20-1/2" / 20 x 520	4	1/4"	16,000	3/8"	83	2.5	3.1 / 0.94	15-1/2" / 381
AS10	3/8" x 13" / 10 x 330	4	1/4"	18,000	3/8"	83	2.5	1.98 / 0.63	12-7/10" / 304.8
MB6901		4	1/4"	3,500	3/8"				

AIR TOOLS GLEANING



AIR COMB™ FILTER CLEANERS

- An air filter, if properly cleaned, can be reused 15-20 times in its lifecycle
- Thoroughly clean cylinder-style air filters, radiators, and condensers with the Air Comb's™ focused high-pressure output and long reach 90° air flow



16600

AIR TOOL OIL DISPENSER

- Mounts on shop wall or toolbox
- · Easily oils air tools for long life



HMP050-SP2

HEAVY-DUTY SPRAYER FOR HMP050 - 12-PK.

HMP050

HOWE'S MULTI-PURPOSE LUBRICATOR PINT - 12-PK.

HMP054

HOWE'S MULTI-PURPOSE LUBRICATOR GALLON

- Lubricates, rejuvenates, and protects
- Locates and stops squeaks
- Safe to use on rubber, plastic, paint, or synthetics
- Frees rusted or frozen parts

AV9010

AIR VACUUM KIT

- · Comfortable, lightweight composite gun body allows access in tight areas
- Dual function: vacuum or blow for engine cleaning
- Flexible hose for cleaning in small places
- Flat tube ideal for vehicle interiors
- Small bore vacuum tube for added durability and quick removal of debris
- Multi-angle brush
- Dust bag features two layers of material and zipper bottom
- · Great for cleaning up glass chips, stones, sawdust, sand, steel chips, etc.

BLOW GUNS AND ACCESSORIES

* Warning: Per OSHA standard 29 CFR 1910.242(b), blow guns should be regulated so as not to exceed 30 p.s.i. to avoid possible injury

> BG1250C BG1260C BG1150C

BG500*

4" HEAVY-DUTY BLOW GUN

BG1150C*

13" STRAIGHT TUBE EXTENDED REACH BLOW GUN

BG1250C*

20" STRAIGHT TUBE EXTENDED REACH BLOW GUN BG1260C*

20" BENT-TUBE EXTENDED REACH BLOW GUN

- Extended handle travel and smoothness allows for variable air flow
- Heavy-duty construction using tough POM Acetal-Co-Polymer #M270 material



S-115*
MILTON TYPE

S-116* ARO TYPE

ADJUSTABLE FLOW BLOW GUNS

- · Easy control holds air setting
- Air coupler is an integral part of blow gun
- Lightweight tempered aluminum
- Neoprene ball for solid seal
- Minimum 80 PSI for proper performance



BG201D*
RUBBER-TIPPED
BLOW GUN

• 1/4" NPT inlet



AC384*
1/4" FEMALE
NPT DUAL CHUCK



BG4010B*
RUBBER
CONICAL TIP



BG4013B* 3-PC. RUBBER BLOW GUN TIP SET



AFC60*
1/4" INTERCHANGEABLE
COUPLER - QUICK
CONNECT



BG500

AC352* 1/4" FEMALE NPT SINGLE CHUCK



AC354*
1/4" FEMALE
NPT CHUCK
WITH CLIP

AWARD WINNING HEAVY-DUTY GEARED AIR SAW

The PTEN Innovation Awards recognize those outstanding companies whose products respond to the automotive repair industry's market challenges with creativity and innovation.

PTEN INNOVATION AWARDS 2018



Features a lockout throttle design, 360° rotating exhaust that can direct air away from the user, and rubber grip that is resistant to most common automotive fluids. Another key feature of the Heavy Duty Geared Air Saw is it accepts both air saw and reciprocating saw blades, for added versatility.

 CUTTING CAPACITY STEEL
 STROKE LENGTH IN. / MIM
 AIR CONSUMPTION CFM
 AIR INLET NPT
 STROKES PER MINUTE

 9.5mm / 3g
 3/16* / 4.76
 4
 1/4
 7,000

 MINIMUM HOSE SIZE ID
 SOUND LEVEL DBIAI
 VIBRATION LEVEL M/S2
 WEIGHT LBS. / KG.
 LENGTH IN. / MIM

 3/8
 87
 16.5
 2.5 / 1.13
 10.5



SPECIALTY AIR TOOLS

APF600A

PUNCH AND FLANGE TOOL

- Two-function tool performs hole punching and panel crimping
- Meets C.A.R. (Collision Auto Repair) specifications
- · Rotating head
- 5/64" Sheet metal cutting capacity

PUNCH DIAMETER	CUTTING CAPACITY	WEIGHT	LENGTH
In. / MM	In. / GA	LBS. / KG.	In. / MM
5/16" / 7.94	5/64" / 14	2.125 / 0.96	



AHR273 3/16" AIR-HYDRAULIC RIVETER

- Comes equipped with 3/32",
- 1/8", 5/32", and 3/16" nosepieces
- Quick-release air valve, incorporated into the throttle mechanism, permits cylinder to return quickly for high-speed assembly operations



AHR274

1/4" SUPER-DUTY AIR RIVETER

- For heavy-duty and industrial applications
- Designed for setting all types of rivets in 3/32", 1/8", 5/32", 3/16", and 1/4" diameters





- Drill features two-position trigger - first position sets the anvil, second position starts the drill
- Adjustable depth-stop allows you to drill out just the spot weld and not the panel beneath
- Drills out the entire spot weld eliminating the need for grinding



AIR CONSUMPTION CFM	RPM	WEIGHT LBS.	LENGTH IN.
3.5	1600	6.4	12-3/4"

INCLUDES:

- (2) 6.5mm Drill Bits
- (2) 8mm Drill Bits
- (1) 10mm Drill Bit Standard and Large Anvils



ASWD65MM 6.5MM DRILL BIT



ASWD80MM 8MM DRILL BIT



ASWD10MM 10MM DRILL BIT

ACCESSORIE

PROTECTIVE BOOTS

- Snug fit prevents slippageColor helps identify your air tool



PB800



PB600



PB1776B





PB133





PB734



PB234B



PB235-B



PB261



PB335



PB3400R



PB376





PB4300





PB4400-R



PB480Q



PB5000BF



PB7500



PB850



PB038M-050M-B



PB050-R



PB075-R



PB280QA



PB434M-B



PBBWP050-B



PBBWP151-B



PB97-501B



PBMB120



PBMB200



PBMB201



PB99-381B



PB99-501B



PB98-381B



PB98-501B

PRODUCT #	FOR USE WITH:	COLOR
PB800	AD800 / AD850 Air Drill	Red
PB600	AH600 / AH650 Air Hammer	Red
PB1776R	AR1776 Ratchet	Red
PB1776B*	AR1776 Ratchet	Black HD
PB1776Y*	AR1776 Ratchet	Yellow
PB249B	AR249 Mini Ratchet	Black
PB249G*	AR249 Mini Ratchet	Green
PB2490*	AR249 Mini Ratchet	Orange
PB249R*	AR249 Mini Ratchet	Red
PB249Y*	AR249 Mini Ratchet	Yellow
PB760	AR760 Ratchet	Red
PB133	AW133 Ratchet	Red
PB135	AW135 Impact Wrench	Red
PB734	AW232 Impact Wrench	Red
PB234	AW234 / AW234A Impact W.	Red
PB234B*	AW234 / AW234A Impact W.	Black
PB234G *	AW234 / AW234A Impact W.	Green
PB234Y*	AW234 / AW234A Impact W.	Yellow
PB235-B	AW235 Impact Wrench	Black

PRODUCT #	FOR USE WITH:	COLOR
PB235-R*	AW235 Impact Wrench	Red
PB261	AW262 Impact Wrench	Red
PB280Q	AW280Q / AW284Q Impact W.	Red
PB335	AW335 Impact Wrench	Red
PB3400R	AW34000 Impact Wrench	Red
PB376	AW376 Impact Wrench	Bk/R/Y
PB3800	AW3800 / AW3800M Impact W.	Red
PB4300	AW4300 Impact Wrench	Red
PB435B	AW435 Impact Wrench	Black
PB4400-R	AW4400 Impact Wrench	Red
PB480Q	AW4800 Impact Wrench	Red
PB5000BF	AW5000 Impact Wrench	Black
PB5500*	AW5500 Impact Wrench	Red
PB612Q	AW612Q Impact Wrench	Red
PB7500	AW7500 Impact Wrench	Bk/R/Y
PB850	AW850 Impact Wrench	Red
PB038-050C	AWP038 / AWP050C Impact W.	Clear
PB038-050C-R*	AWP038 / AWP050C Impact W.	Red
PB038-050C-B*	AWP038 / AWP050C Impact W.	Black

PRODUCT #	FOR USE WITH:	COLOR
PB050	AWP050 Impact Wrench	Clear
PB050-R*	AWP050 Impact Wrench	Red
PB075	AWP075 Impact Wrench	Clear
PB075-R*	AWP075 Impact Wrench	Red
PB434	AWP434A / AW434M Impact W.	Bk/R/\
PB434M-B*	AWP434A / AW434M Impact W.	Black
PB434M-C*	AWP434A / AW434M Impact W.	Clear
PB434M-R*	AWP434A / AW434M Impact W.	Red
PBBWP050-B	BWP050 Cordless Impact W.	Black
PBBWP151-B	BWP151 Impact Wrench	Black
PB97-501B	MPF970501 / MPF972501	Black
PBMB120	MB120 12V MAX* Battery	Black
PBMB200	MB200 20V MAX* Battery	Black
PBMB201	MB201 20V MAX* Battery	Black
PB886-891B	MCF886 / MCF891B Impact W.	Black
PB99-381B	MPF990381 and MPF990501C	Black
PB99-501B	MPF990501 and MPF992501	Black
PB98-501B	MPF980501	Black
PB98-381B	MPF990381	Black

416

OIL AND GREASE

16600

AIR TOOL OIL DISPENSER

- Oils air tools in one easy motion
- · Right-handed, left-handed, or center mounting positions on your tool box or wall
- · Easily and conveniently oil air tool each time
- · 8-oz. Translucent shatter-resistant oil reservoir
- Can adjust the oil flow .05 cc or approximately one drop per 1/4 turn



PO4 1 QT. 4 OZ.

PNEUMATIC AIR TOOL OIL

- · Long-life pneumatic oil for air tools
- Metal adherence properties prevent lubrication loss from air pressure
- · Protects neoprene O-rings and other plastic parts



AWGG234B

MINI GREASE GUN

· Holds 3 oz. of light or heavy lubricant



PNG-4 **AIR TOOL GREASE**

- · Specially formulated for impact wrenches requiring grease
- Reduces noise levels greatly, inhibits rust, and protects against condensation





AWGG234A-01 1.0MM TIP



AWGG234A-02 **1.4MM TIP**



AWGG234A-03 **TIP FOR COMPOSITE TOOL**

TOOL HOLDER



- PNEUMATIC TOOL HOLDER
- Comes with five slots that fit all popular quick connect fittings
- Can be mounted on a tool box, cart or wall for easy access
- · Locking feature protects your air tools from theft (provide your own lock). Durable powder-coated finish

ACCESSORIES DRILL BITS AND SETS



6321IDSA 21-PC. COBALT STUBBY DRILL BIT SET

- Ideal for use on stainless steel, heat-treated steel, forgings, and chilled cast iron
- 135° Heavy-duty split point is self-starting and requires less torque
- Short drill bits are great for use in limited access areas

Use cutting oil to maximize bit life

6321MIB-SL

21-PC. DRILL BIT INDEX

PRODUCT #	SIZE	SET
6321IDSA	21-PC. Cobalt Stubby Drill Bit Set	
6304ID	1/16"	•
6305ID	5/64"	•
6306ID	3/32"	•
6307ID	7/64"	•
6308ID	1/8"	•
6309ID	9/64"	•
6310ID	5/32"	•
6311ID	11/64"	•
6312ID	3/16"	•
6313ID	13/64"	•
6314ID	7/32"	•
6315ID	15/64"	•
6316ID	1/4"	•
6317ID	17/64"	•
6318ID	9/32"	•
6319ID	19/64"	•
6320ID	5/16"	•
6321ID	21/64"	•
6322ID	11/32"	•
6323ID	23/64"	•
6324ID	3/8"	•



6338DSB 29-PC. COBALT DRILL BIT SET



6321DSB 21-PC. COBALT DRILL BIT SET



6336DSB 13-PC. COBALT DRILL BIT SET

- Great for use on stainless steel, heat-treated steel, forgings, and chilled cast iron
- 135° Heavy-duty split point is self-starting and requires less torque
- Jobber-length

6608DA 1/8" HIGH-SPEED DOUBLE END STEEL DRILL BIT

For sheet metal use

	PRODUCT #	SIZE		SET	
	6338DSB	29-PC. Cobalt Drill B	it Set		
	6321DSB	21-PC. Cobalt Drill B	it Set		
	6336DSB	13-PC. Cobalt Drill B	it Set		
d	6304DA	1/16"	•	•	•
7	6305DA	5/64"	•	•	•
ų	6306DA	3/32"	•	•	•
í	6307DA	7/64"	•	•	•
	6308DA	1/8"	•	•	•
	6309DA	9/64"	•	•	•
	6310DA	5/32"	•	•	•
	6311DA	11/64"	•	•	•
è	6312DA	3/16"	•	•	•
20	6313DA	13/64"	•	•	•
	6314DA	7/32"	•	•	•
	6315DA	15/64"	•	•	•
4	6316DA	1/4"	•	•	•
	6317DA	17/64"		•	•
	6318DA	9/32"		•	•
	6319DA	19/64"		•	•
3	6320DA	5/16"		•	•
9	6321DA	21/64"		•	•
	6322DA	11/32"		•	•
	6323DA	23/64"		•	•
	6324DA	3/8"		•	•
	6325DA	25/64"			•
	6326DA	13/32"			•
ď	6327DA	27/64"			•
	6328DA	7/16"			•
	6329DA	29/64"			•
1	6330DA	15/32"			•
í,	6331DA	31/64"			•
	6332DA	1/2"			•
3	6336MIB	Index	•		
1	6321MIB	Index		•	
	6338MIB	Index			•

HIGH-QUALITY KEYLESS CHUCKS

CAPACITY

1/2"

DUTY RATING

Heavy

Heavy

Heavy-duty

PRODUCT #

DCK30354

DCK31038

 Sure grip allows for faster bit changes



THREAD

3/8" - 24

1/2" - 20

4	100		
9)"		





· Sure grip allows for faster bit changes

PRODUCT #	CAPACITY	DUTY RATING	KEY ONLY	THREAD
DC9965C	3/8"	Medium	DCMK2	3/8" - 24
DC9971C	1/2"	Medium	DC2MK2	1/2" - 20
DC9976C	1/2"	Medium	DC2MK2	3/8" - 24

125-572 20-PC. WIRE GAUGE **DRILL BIT SET**

- · High-speed steel drills, miniature wire gauge sizes 80 through 61 (0.0135 diameter to 0.0390 diameter)
- Excellent for small finger and hand work
- Housed in a plastic-covered indexed holder



6429DSA

29-PC. COBALT DRILL **ADVANCED HELICAL FLUTE SET**

- · Designed to drill through hardened steel and tough alloys more effectively than standard cobalt bits
- Made from M35 tool steel
- Heat-treated in a salt-bath furnace. for strength and durability
- · Precision ground to exacting tolerances
- · Advanced helical-flute design for improved chip removal and drilling accuracy, as well as improved drill time and longer bit life

29-PC. DRILL BIT INDEX

PRODUCT #	SIZE	SET
6429DSA	29-PC. Cobalt Drill Advanced Helical Fl	ute Set
6404D	1/16"	•
6405D	5/64"	•
6406D	3/32"	•
6407D	7/64"	•
6408D	1/8"	•
6409D	9/64"	•
6410D	5/32"	•
6411D	11/64"	•
6412D	3/16"	•
6413D	13/64"	•
6414D	7/32"	•
6415D	15/64"	•
6416D	1/4"	•
6417D	17/64"	•
6418D	9/32"	•
6419D	19/64"	•
6420D	5/16"	•
6421D	21/64"	•
6422D	11/32"	•
6423D	23/64"	•
6424D	3/8"	•
6425D	25/64"	•
6426D	13/32"	•
6427D	27/64"	•
6428D	7/16"	•
6429D	29/64"	•
6430D	15/32"	•
6431D	31/64"	•
6432D	1/2"	•



4-WAY DRILL CHUCK KEYS

DC4W2 LARGE

• Fits pilot sizes: (2) 6.2, 7.8, and 9.4mm

DC4W1 **SMALL**

• Fits pilot sizes: 5.9, 6, 6.4, and 6.6mm





DC2MK1 **DRILL CHUCK KEYS** DC2MK2 **DRILL CHUCK KEYS** DCMK2 STANDARD CHUCK KEY

AGGESSON INTESTITE



• Left-hand drill bits via their reverse thread are ideal for use in removing broken bolts

PRODUCT #	DUCT # DESCRIPTION		SET
30505DSA	5-PC. Left Hand Colbalt Drill Bit Set		
30505LA	Left Hand Colbalt Drill	5/64"	•
30507LA	Left Hand Colbalt Drill	7/64"	•
30510LA	Left Hand Colbalt Drill	5/32"	•
30516LA	Left Hand Colbalt Drill	1/4"	•
30519LA	Left Hand Colbalt Drill	19/64"	•



LEFT HAND HIGH-SPEED MACHINE LENGTH STEEL DRILL BITS

• Screw machine length, high-speed steel

PRODUCT #	DESCRIPTION	SIZE	SI	ΞT
3233LA-10	10-PC. Left Hand Hi	gh-Speed Machine Length Stee	l Drill	Set
3233LA	5-PC. Left Hand High	-Speed Machine Length Steel Drill	Set	
3208LA	Left Hand Drill Bit	1/8"	•	•
3210LA	Left Hand Drill Bit	5/32"		•
3212LA	Left Hand Drill Bit	3/16"	•	•
3214LA	Left Hand Drill Bit	7/32"		•
3216LA	Left Hand Drill Bit	1/4"	•	•
3218LA	Left Hand Drill Bit	9/32"		•
3220LA	Left Hand Drill Bit	5/16"	•	•
3222LA	Left Hand Drill Bit	11/32"	•	•
3224LA	Left Hand Drill Bit	3/8"		•
3226LA	Left Hand Drill Bit	13/32"		•

HIGH-SPEED STEEL JOBBER-LENGTH WIRE GAUGE DRILL BITS

PRODUCT #	DECIMAL EQUIVALENT	DRILL Size
8101DA	0.228	1
8102DA	0.221	2
8103DA	0.213	3
8104DA	0.209	4
8105DA	0.205	5
8106DA	0.204	6
8107DA	0.201	7
8108DA	0.199	8
8109DA	0.196	9
8110DA	0.193	10
8111DA	0.191	11
8112DA	0.189	12
8113D	0.185	13
8114D	0.182	14
8115D	0.18	15
8116DA	0.177	16
8117D	0.173	17

PRODUCT #	DECIMAL EQUIVALENT	DRILL Size	
8118DA	0.169	18	
8119DA	0.166	19	
8121DA	0.159	21	
8122DA	0.157	22	
8123DA	0.154	23	
8124D	0.152	24	
8125DA	0.149	25	
8127DA	0.144	27	
8128DA	0.14	28	
8129DA	0.136	29	
8130DA	0.128	30	
8131DA	0.12	31	
8132DA	0.116	32	
8133DA	0.113	33	
8134DA	0.111	34	
8136DA	0.106	36	
8137DA	0.104	37	

PRODUCT #	DECIMAL EQUIVALENT	DRILL Size
8138DA	0.101	38
8139DA	0.099	39
8140DA	0.098	40
8142DA	0.093	42
8143DA	0.089	43
8144DA	0.086	44
8145DA	0.082	45
8146DA	0.081	46
8147DA	0.078	47
8149DA	0.073	49
8150DA	0.07	50
8152DA	0.063	52
8154DA	0.055	54
8155DA	0.052	55
8156DA	0.046	56
8157DA	0.043	57
8159DA	0.041	59

PRODUCT #	DECIMAL EQUIVALENT	DRILL Size
8160DA	0.04	60
8161DA	0.039	61
8162DA	0.038	62
8163DA	0.037	63
8164DA	0.036	64
8165DA	0.035	65
8166DA	0.033	66
8167DA	0.032	67
8169DA	0.0292	69
8170DA	0.028	70
8171DA	0.026	71
8172DA	0.025	72
8173DA	0.024	73
8177DA	0.018	77
8179DA	0.0145	79
8180DA	0.0135	80

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MAL



QCS37520A 52-PC. 1/4" HEX QUICK-DISCONNECT TITANIUM DRILL BIT AND DRIVER SET

- Titanium-nitride finish on the drill bits ensures quality
- Screwdriver bits are 2" long for greater access (Slotted, Torx®, Hex, and Phillips®)

INCLUDES:

- [1] 1/4" Drive Quick Connect Coupler
- [1] 1/4" Drive Adapter
- (1) Counter-Sink Bit
- (6) Slotted Bits
- (6) Torx® Bits

- (5) Hex Bits
- (3) Phillips® Bits
- [7] Fractional Nut Driver Bits
- (9) Metric Nut Driver Bits
- (13) 1/16" 1/4" Quick-Connect Drill Bits

PRODUCT #	DESCRIPTION	SIZE	SET
OCS37520A	52-PC. 1/4" Hex Quick-Disconnect Titanium Drill		
MHB14	Hex Bit 2	1/4"	•
MHB18	Hex Bit 2	1/4"	•
	Hex Bit 2		•
MHB316		3/16"	•
MHB532	Hex Bit 2	3/32"	•
MHB564	Hex Bit 2	5/64"	•
MND94800	Nut Driver	7/32"	•
MND94805	Nut Driver	1/4"	•
MND94810	Nut Driver	9/32"	•
MND94815	Nut Driver	5/16"	•
MND94820	Nut Driver	11/32"	•
MND94825	Nut Driver	3/8"	•
MND94830	Nut Driver	7/16"	•
MND94850	Nut Driver	4mm	•
MND94855	Nut Driver	5mm	•
MND94860	Nut Driver	5.5mm	•
MND94865	Nut Driver	7mm	•
MND94870	Nut Driver	8mm	•
MND94875	Nut Driver	9mm	•
MND94880	Nut Driver	10mm	•
MND94885	Nut Driver	11mm	•
MND94890	Nut Driver	12mm	•
MPB1	Phillips® Bit	#1	•
MPB2	Phillips® Bit	#2	•
MPB3	Phillips® Bit	#3	•
MSB14	Slotted Bit	1/4"	•
MSB18	Slotted Bit	1/8"	•
MSB316	Slotted Bit	3/16"	•
MSB516	Slotted Bit	5/16"	•
MSB732	Slotted Bit	7/32"	•
MSB932	Slotted Bit	9/32"	•
MTB10T	Torx [®] Bit	T10	•
MTB15T	Torx® Bit	T15	•
MTB20T	Torx® Bit	T20	•
MTB25T	Torx® Bit	T25	•
MTB27T	Torx® Bit	T27	•
MTB30T	Torx® Bit	T30	•
QDS94900	Quick Connect Coupler	-	•
QDS94905	Magnetic Bit Holder	-	•
QDS94910	Countersink Bit	-	•
3704DQDA	Titanium Bit/Quick Disc	1/16"	•
3705DQDA	Titanium Bit/Quick Disc	5/64"	•
3706DQDA	Titanium Bit/Quick Disc	3/32"	•
3707DQDA	Titanium Bit/Quick Disc	7/64"	•
3708DQDA	Titanium Bit/Quick Disc	1/8"	•
3709DQDA	Titanium Bit/Quick Disc	9/64"	•
3710DQDA	Titanium Bit/Quick Disc	5/32"	•
3711DQDA	Titanium Bit/Quick Disc	11/64"	•
3712DQDA	Titanium Bit/Quick Disc	3/16"	•
3713DQDA	Titanium Bit/Quick Disc 13		•
3714DQDA	Titanium Bit/Quick Disc	7/32"	•
3715DQDA	Titanium Bit/Quick Disc	15/64"	•
3716DQDA	Titanium Bit/Quick Disc	1/4"	
3717DQDA	Titanium Bit/Quick Disc	17/64"	
3718DQDA	Titanium Bit/Quick Disc	9/32"	
3720DQDA	Titanium Bit/Quick Disc	5/16"	

ACCESSORIES DRIVE AND DRILL BITS AND SETS



PRODUCT #	DESCRIPTION	SIZE	SET
QCAS16	16-PC. Quick-change Au	to Set	
AHN1857571	Quick-change Chuck	2-1/2"	•
AHN1857572	Quick-change Extension	6"	•
93025	#2 Phillips® Power Bit	3-1/2"	•
93029	#3 Phillips® Power Bit	3-1/2"	•
93063	#1 Phillips® Power Bit	6"	•
93067	#2 Phillips® Power Bit	6"	•
93360	T15 Torx® Power Bit	3-1/2"	•
93361	T20 Torx® Power Bit	3-1/2"	•
93369	T20 Torx® Power Bit	6"	•
93370	T25 Torx® Power Bit	6"	•
93371	T27 Torx® Power Bit	6"	•
93372	T30 Torx® Power Bit	6"	•
AHN93037	#2 Pozidriv® Power Bit	3-1/2"	•
93761	Socket Adapter	1/4"	•
93784	Socket Adapter	3/8"	•
94732	Magnetic Nutsetter	5/16"	•

VA502T

3-PC. TITANIUM STEP DRILL SET

- Set drills twenty-eight holes from 1/8" to 3/4" diameter
- · Dual radial concave fluted, self-starting
- · Ideal for thin materials: sheet metal, plastic, and wood applications
- Includes three popular sizes in convenient storage pouch













PRODUCT #	DESCRIPTION	DRILL SIZE	DRILLS	INCREMENTS	SET
VA502T	3-PC. Titanium Step Drill Set				
VA1T	Titanium Step Drill - 1	1/4"	(12) Holes: 1/8" - 1/2"	1/32"	•
VA2T	Titanium Step Drill - 2	1/4"	(6) Holes: 3/16" - 1/2"	1/16"	•
VA3T	Titanium Step Drill - 3	3/8"	(9) Holes: 1/4" - 3/4"	1/16"	•
VA4T	Titanium Step Drill - 4	3/8"	(12) Holes: 3/16" - 7/8"	1/16"	
VA10T	Stubby Titanium Step Drill - 10	1/4"	(7) Holes: 1/8" - 1/2"	1/16"	
VA12T	Stubby Titanium Step Drill - 12	1/4"	(5) Holes: 1/8" - 3/8"	1/16"	
VAPOT	Titanium Sten Drill - 20	1/2"	(8) Holes: 9/16" - 1"	1/16"	



HOLE SAWS AND SET



- Designed for wide use and applications in metal cutting
- · Complete follow-through saws
- · Knock-out slots for easy core removal
- High-speed steel cutting edge welded to shatter-proof steel back for greater safety



HS5514C 1/4" CHUCK

HS5545C 1/2" CHUCK

MANDREL WITH PILOT DRILLS

- Complete with high-speed 1/4" pilot drills
- Shanks fit 2- or 3-jawed chucks
- Drive pins on HS5545B advanced or retracted without removing mandrel

PRODUCT #	CHUCK Size	HOLE SAW SIZES	SHANK Size	SHANK Type	THREAD SIZE
HS5514C	1/4"	9/16" - 1-3/16"	1/4"	Round	1/2"-20
HS5545C	1/2"	1-1/4" - 6"	7/16"	Hex	5/8"-18

TD13MS

13-PC. TIP DRILL SET

TD13MS-DRILLS

REPLACEMENT BITS

- Pin vise has magnetic cap with storage for bits
- Bits are extra long (1-7/8")
- Designed for drilling and cleaning fuel injectors, carburetor jets, water jets, welding and soldering tips, and electronics service/repairs
- Twelve high-speed steel twist drills (0.0225 to 0.063) and pin vise



HS5996C	PRODUCT #	CUT DEPTH	SIZE MM / IN.	TEETH PER INCH	SET
HS510C	HS9596C	13-PC. Hole Saw Kit			
NS511C	HS509C	1-1/8"	9/16" / 14.3	6	
NS512C	HS510C	1-1/8"	5/8" / 15.87	6	
HS513C 1-1/8" 13/16" / 20.64 6 HS514C 1-1/8" 7/8" / 22.23 6 • HS515C 1-1/8" 15/16" / 23.81 6 HS515C 1-1/8" 1-1/8" 1-1/6" / 25.38 6 6 HS516C 1-1/8" 1-1/8" 1-1/16" / 28.59 6 HS518C 1-1/8" 1-1/16" / 28.59 6 HS518C 1-1/8" 1-1/16" / 28.59 6 HS519C 1-1/8" 1-1/8" 1-3/16" / 30.16 6 HS52C 1-1/8" 1-3/16" / 30.33 6 HS52C 1-1/8" 1-3/16" / 30.33 6 HS52C 1-1/8" 1-3/16" / 36.51 6 HS52C 1-1/8" 1-3/16" / 36.51 6 HS52C 1-1/8" 1-3/16" / 36.51 6 HS52C 1-1/8" 1-1/8" 1-1/2" / 38.1 6 HS52C 1-1/8" 1-1/8" 1-1/2" / 38.1 6 HS52C 1-1/8" 1-1/8" 1-1/8" / 41.28 6 HS52C 1-1/8" 1-3/16" / 48.04 6 HS52C 1-1/8" 1-3/16" / 48.04 6 HS52C 1-1/8" 1-3/16" / 45.04 6 HS53C 1-1/8" 1-1/8" 1-3/16" / 45.04 6 HS53C 1-1/8" 1-1/8" 1-1/8" / 47.625 6 HS53C 1-1/8" 2-1/8" / 39.89 6 HS52C 1-1/8" 1-1/8" 1-1/8" / 47.625 6 HS53C 1-1/8" 2-1/8" / 39.89 6 HS53C 1-1/8" 3-1/8" / 39.89 6 HS55C 1-1/	HS511C	1-1/8"	11/16" / 17.46	6	
NS514C	HS512C	1-1/8"	3/4" / 19.05	6	•
HS516C	HS513C	1-1/8"	13/16" / 20.64	6	
HS518C 1-1/8" 1-1/16" / 26.99 6 HS518C 1-1/8" 1-1/16" / 26.99 6 HS518C 1-1/8" 1-1/16" / 28.58 6 6 HS519C 1-1/8" 1-3/16" / 30.16 6 HS52C 1-1/8" 1-3/16" / 30.16 6 HS52C 1-1/8" 1-5/16" / 33.33 6 HS52C 1-1/8" 1-5/16" / 33.33 6 HS52C 1-1/8" 1-5/16" / 33.33 6 HS52C 1-1/8" 1-7/16" / 36.51 6 HS524C 1-1/8" 1-7/16" / 36.51 6 HS524C 1-1/8" 1-1/2" / 38.1 6 HS52C 1-1/8" 1-1/2" / 38.1 6 HS52C 1-1/8" 1-1/8" 1-9/16" / 39.69 6 HS52C 1-1/8" 1-1/8" 1-9/16" / 39.69 6 HS52C 1-1/8" 1-3/4" / 44.45 6 HS53C 1-1/8" 1-3/4" / 47.625 6 HS53C 1-1/8" 2-1/8" / 50.8 6 HS53C 1-1/8" 2-1/8" / 53.99 6 HS53C 1-1/8" 2-3/8" / 60.33 6 HS54C 1-1/8" 2-3/8" / 60.33 6 HS54C 1-1/8" 2-3/8" / 60.99 6 HS54C 1-1/8" 2-3/8" / 79.2 6 HS55C 1-1/8" 3-1/8" / 79.38 6 HS54C 1-1/8" 3-3/8" / 79.2 6 HS55C 1-1/8" 3-1/8" / 79.38 6 HS56C	HS514C	1-1/8"	7/8" / 22.23	6	•
HS517C 1-1/8" 1-1/16" / 26.99 6 HS518C 1-1/8" 1-1/8" / 28.58 6 HS519C 1-1/8" 1-3/16" / 30.16 6 HS520C 1-1/8" 1-1/14" / 31.75 6 HS521C 1-1/8" 1-5/16" / 33.33 6 HS522C 1-1/8" 1-5/16" / 33.33 6 HS522C 1-1/8" 1-5/16" / 36.51 6 HS522C 1-1/8" 1-3/8" / 34.93 6 6 HS522C 1-1/8" 1-7/16" / 36.51 6 HS522C 1-1/8" 1-1/2" / 38.1 6 HS522C 1-1/8" 1-9/16" / 33.69 6 HS522C 1-1/8" 1-9/16" / 33.69 6 HS522C 1-1/8" 1-5/8" / 41.28 6 HS522C 1-1/8" 1-5/8" / 41.28 6 HS522C 1-1/8" 1-3/4" / 44.45 6 HS522C 1-1/8" 1-3/4" / 44.45 6 HS522C 1-1/8" 1-3/4" / 44.45 6 HS522C 1-1/8" 1-3/16" / 47.625 6 HS532C 1-1/8" 1-3/16" / 47.625 6 HS532C 1-1/8" 2-1/6" / 52.39 6 HS532C 1-1/8" 2-1/8" / 53.98 6 HS533C 1-1/8" 2-1/8" / 53.98 6 HS534C 1-1/8" 2-1/8" / 53.98 6 HS534C 1-1/8" 2-5/16" / 58.74 6 HS537C 1-1/8" 2-5/16" / 58.74 6 HS538C 1-1/8" 2-3/8" / 60.33 6 HS540C 1-1/8" 2-3/8" / 60.33 6 HS540C 1-1/8" 2-3/8" / 60.33 6 HS540C 1-1/8" 2-3/8" / 60.93 6 HS540C 1-1/8" 2-3/8" / 68.85 6 HS554C 1-1/8" 2-3/8" / 78.2 6 HS554C 1-1/8" 3-3/8" / 58.2 6 HS554C 1-1/8" 3-3/8" / 58.2 6 HS554C 1-1/8" 3-1/8" / 79.3 6 HS556C 1-1/8" 3-1/8" / 79.3 6 HS556C 1-1/8" 3-1/8" / 79.3 6 HS556C 1-1/8" 3-1/8" / 79.2 6 HS556C 1-1/8" 3-1/8" / 79.2 6 HS556C 1-1/8" 3-1/8" / 79.3 6 HS56C 1-1/8" 3-3/8" / 98.9 6 HS5	HS515C	1-1/8"	15/16" / 23.81	6	
HS518C 1-1/8' 1-3/16' / 30.16 6 HS520C 1-1/8' 1-3/16' / 30.16 6 HS520C 1-1/8' 1-3/16' / 30.16 6 HS520C 1-1/8' 1-3/16' / 33.33 6 HS522C 1-1/8' 1-3/6' / 33.33 6 HS522C 1-1/8' 1-3/6' / 33.55 6 HS524C 1-1/8' 1-3/6' / 36.51 6 HS524C 1-1/8' 1-1/8' 1-3/6' / 39.69 6 HS526C 1-1/8' 1-9/16' / 39.69 6 HS526C 1-1/8' 1-5/8' / 41.28 6 HS528C 1-1/8' 1-3/4' / 44.45 6 HS528C 1-1/8' 1-3/4' / 44.45 6 HS528C 1-1/8' 1-3/4' / 44.45 6 HS528C 1-1/8' 1-3/4' / 46.04 6 HS532C 1-1/8' 1-3/4' / 46.04 6 HS532C 1-1/8' 2-1/8' / 50.8 6 HS533C 1-1/8' 2-1/8' / 53.99 6 HS534C 1-1/8' 2-1/8' / 53.98 6 HS534C 1-1/8' 2-1/8' / 53.98 6 HS534C 1-1/8' 2-1/8' / 53.98 6 HS534C 1-1/8' 2-1/8' / 53.99 6 HS534C 1-1/8' 2-1/8' / 53.99 6 HS534C 1-1/8' 2-1/8' / 53.99 6 HS534C 1-1/8' 2-3/8' / 60.33 6 HS534C 1-1/8' 2-3/8' / 60.33 6 HS534C 1-1/8' 2-3/8' / 50.33 6 HS534C 1-1/8' 2-3/8' / 50.33 6 HS534C 1-1/8' 2-3/8' / 50.33 6 HS534C 1-1/8' 2-3/8' / 50.99 6 HS534C 1-1/8' 2-3/8' / 50.99 6 HS534C 1-1/8' 2-3/8' / 50.99 6 HS54C 1-1/8' 2-3/8' / 50.99 6 HS54C 1-1/8' 3-3/8' / 98.5 6 HS55C 1-1/8' 4-1/2' / 114.3 6 HS57C 1-1/8' 4-1/2' / 114.3 6 HS57C 1-1/8' 4-1/2' / 114.3 6 HS57C 1-1/8' 4-1/8' 1-1/8' 4-1/2' / 114.3 6 HS	HS516C	1-1/8"	1" / 25.4	6	
NS519C	HS517C	1-1/8"	1-1/16" / 26.99	6	
NS520C	HS518C	1-1/8"	1-1/8" / 28.58	6	•
NS521C	HS519C	1-1/8"	1-3/16" / 30.16	6	
NS522C	HS520C	1-1/8"	1-1/4" / 31.75	6	
NS523C	HS521C	1-1/8"	1-5/16" / 33.33	6	
NS524C	HS522C	1-1/8"	1-3/8" / 34.93	6	•
NS525C	HS523C	1-1/8"	1-7/16" / 36.51	6	
NS526C	HS524C	1-1/8"	1-1/2" / 38.1	6	•
NS528C	HS525C	1-1/8"	1-9/16" / 39.69	6	
HS529C	HS526C	1-1/8"	1-5/8" / 41.28	6	
NS530C	HS528C	1-1/8"	1-3/4" / 44.45	6	•
NS532C	HS529C	1-1/8"	1-13/16" / 46.04	6	
HS533C 1-1/8" 2-1/16" / 52.39 6 HS534C 1-1/8" 2-1/8" / 53.98 6 HS536C 1-1/8" 2-1/4" / 57.15 6 HS537C 1-1/8" 2-3/8" / 60.33 6 HS538C 1-1/8" 2-3/8" / 63.5 6 HS540C 1-1/8" 2-9/16" / 65.09 6 HS541C 1-1/8" 2-5/8" / 66.68 6 HS542C 1-1/8" 2-5/8" / 66.68 6 HS544C 1-1/8" 2-3/4" / 69.85 6 HS546C 1-1/8" 2-7/8" / 73.03 6 HS548C 1-1/8" 3' / 76.2 6 HS550C 1-1/8" 3-1/8" / 79.38 6 HS552C 1-1/8" 3-1/8" / 89.57 6 HS552C 1-1/8" 3-3/8" / 89.57 6 HS558C 1-1/8" 3-5/8" / 92.08 6 HS56C 1-1/8" 3-3/4" / 101.6 6 HS56C 1-1/8" 3-7/8" / 101.6 6 HS56C <td< th=""><td>HS530C</td><td>1-1/8"</td><td>1-7/8" / 47.625</td><td>6</td><td></td></td<>	HS530C	1-1/8"	1-7/8" / 47.625	6	
HS534C 1-1/8" 2-1/8" / 53.98 6 HS536C 1-1/8" 2-1/4" / 57.15 6 HS537C 1-1/8" 2-5/16" / 58.74 6 HS538C 1-1/8" 2-3/8" / 60.33 6 HS540C 1-1/8" 2-9/16" / 65.09 6 HS541C 1-1/8" 2-9/16" / 65.09 6 HS541C 1-1/8" 2-5/8" / 66.68 6 HS542C 1-1/8" 2-5/8" / 66.68 6 HS544C 1-1/8" 2-7/8" / 73.03 6 HS548C 1-1/8" 3' 76.2 6 HS548C 1-1/8" 3' 76.2 6 HS550C 1-1/8" 3-1/8" / 79.38 6 HS552C 1-1/8" 3-1/8" / 99.38 6 HS55C 1-1/8" </th <td>HS532C</td> <td>1-1/8"</td> <td>2" / 50.8</td> <td>6</td> <td>•</td>	HS532C	1-1/8"	2" / 50.8	6	•
NS536C	HS533C	1-1/8"	2-1/16" / 52.39	6	
HS537C 1-1/8" 2-5/16" / 58.74 6 HS538C 1-1/8" 2-3/8" / 60.33 6 HS540C 1-1/8" 2-1/2" / 63.5 6 HS541C 1-1/8" 2-9/16" / 65.09 6 HS542C 1-1/8" 2-5/8" / 66.68 6 HS544C 1-1/8" 2-3/4" / 69.85 6 HS546C 1-1/8" 2-7/8" / 73.03 6 HS548C 1-1/8" 3' / 76.2 6 HS550C 1-1/8" 3-1/8" / 79.38 6 HS552C 1-1/8" 3-1/8" / 79.38 6 HS552C 1-1/8" 3-1/8" / 82.55 6 HS556C 1-1/8" 3-3/8" / 82.9 6 HS558C 1-1/8" 3-5/8" / 92.08 6 HS56C 1-1/8" 3-5/8" / 92.08 6 HS56C 1-1/8" 3-7/8" / 99.43 6 HS56C 1-1/8" 3-7/8" / 99.43 6 HS56C 1-1/8" 4-1/8" / 101.6 6 HS56C 1-	HS534C	1-1/8"	2-1/8" / 53.98	6	
HS538C 1-1/8" 2-3/8" / 60.33 6 HS540C 1-1/8" 2-1/2" / 63.5 6 HS541C 1-1/8" 2-9/16" / 65.09 6 HS542C 1-1/8" 2-5/8" / 66.68 6 HS544C 1-1/8" 2-3/4" / 69.85 6 HS546C 1-1/8" 2-7/8" / 73.03 6 HS548C 1-1/8" 3' / 76.2 6 HS550C 1-1/8" 3-1/8" / 79.38 6 HS552C 1-1/8" 3-1/8" / 79.38 6 HS554C 1-1/8" 3-1/8" / 89.73 6 HS556C 1-1/8" 3-3/8" / 85.73 6 HS558C 1-1/8" 3-1/2" / 88.9 6 HS558C 1-1/8" 3-5/8" / 92.08 6 HS56C 1-1/8" 3-3/4" / 95.25 6 HS56C 1-1/8" 3-7/8" / 99.43 6 HS56C 1-1/8" 4" / 101.6 6 HS56C 1-1/8" 4-1/8" / 104.78 6 HS56C 1-1/8"	HS536C	1-1/8"	2-1/4" / 57.15	6	•
HS540C 1-1/8" 2-1/2" / 63.5 6 HS541C 1-1/8" 2-9/16" / 65.09 6 HS542C 1-1/8" 2-5/8" / 66.68 6 HS544C 1-1/8" 2-3/4" / 69.85 6 HS546C 1-1/8" 2-7/8" / 73.03 6 HS548C 1-1/8" 3" / 76.2 6 HS550C 1-1/8" 3-1/8" / 79.38 6 HS552C 1-1/8" 3-1/8" / 79.38 6 HS554C 1-1/8" 3-1/4" / 82.55 6 HS55C 1-1/8" 3-3/8" / 95.73 6 HS55C 1-1/8" 3-1/2" / 88.9 6 HS55C 1-1/8" 3-5/8" / 92.08 6 HS56C 1-1/8" 3-5/8" / 95.25 6 HS56C 1-1/8" 3-7/8" / 98.43 6 HS56C 1-1/8" 4" / 101.6 6 HS56C 1-1/8" 4-1/8" / 104.78 6 HS56C 1-1/8" 4-1/8" / 104.78 6 HS57CC 1-1/8" </th <th>HS537C</th> <th>1-1/8"</th> <th>2-5/16" / 58.74</th> <th>6</th> <th></th>	HS537C	1-1/8"	2-5/16" / 58.74	6	
HS541C	HS538C	1-1/8"	2-3/8" / 60.33	6	
NS542C	HS540C	1-1/8"	2-1/2" / 63.5	6	•
HS544C 1-1/8" 2-3/4" / 69.85 6 HS546C 1-1/8" 2-7/8" / 73.03 6 HS548C 1-1/8" 3" / 76.2 6 HS550C 1-1/8" 3-1/8" / 79.38 6 HS552C 1-1/8" 3-1/4" / 82.55 6 HS554C 1-1/8" 3-3/8" / 85.73 6 HS556C 1-1/8" 3-1/2" / 88.9 6 HS558C 1-1/8" 3-5/8" / 92.08 6 HS560C 1-1/8" 3-3/4" / 95.25 6 HS562C 1-1/8" 3-7/8" / 98.43 6 HS564C 1-1/8" 4" / 101.6 6 HS566C 1-1/8" 4-1/8" / 104.78 6 HS568C 1-1/8" 4-1/4" / 107.95 6 HS570C 1-1/8" 4-3/8" / 111.13 6 HS572C 1-1/8" 4-3/8" / 114.3 6 HS578C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8	HS541C	1-1/8"	2-9/16" / 65.09	6	
HS546C 1-1/8" 2-7/8" / 73.03 6 HS548C 1-1/8" 3" / 76.2 6 HS550C 1-1/8" 3-1/8" / 79.38 6 HS552C 1-1/8" 3-1/4" / 82.55 6 HS554C 1-1/8" 3-3/8" / 85.73 6 HS556C 1-1/8" 3-1/2" / 88.9 6 HS558C 1-1/8" 3-5/8" / 92.08 6 HS560C 1-1/8" 3-3/4" / 95.25 6 HS562C 1-1/8" 3-7/8" / 98.43 6 HS564C 1-1/8" 4" / 101.6 6 HS566C 1-1/8" 4-1/8" / 104.78 6 HS568C 1-1/8" 4-1/4" / 107.95 6 HS570C 1-1/8" 4-3/8" / 111.13 6 HS572C 1-1/8" 4-3/8" / 114.3 6 HS578C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS551C Mandr	HS542C	1-1/8"	2-5/8" / 66.68	6	
HS548C 1-1/8" 3" / 76.2 6 HS550C 1-1/8" 3-1/8" / 79.38 6 HS552C 1-1/8" 3-1/4" / 82.55 6 HS554C 1-1/8" 3-3/8" / 85.73 6 HS556C 1-1/8" 3-1/2" / 88.9 6 HS558C 1-1/8" 3-5/8" / 92.08 6 HS560C 1-1/8" 3-5/8" / 95.25 6 HS562C 1-1/8" 3-7/8" / 98.43 6 HS564C 1-1/8" 4" / 101.6 6 HS566C 1-1/8" 4-1/8" / 104.78 6 HS568C 1-1/8" 4-1/8" / 107.95 6 HS570C 1-1/8" 4-3/8" / 111.13 6 HS572C 1-1/8" 4-3/8" / 114.3 6 HS576C 1-1/8" 4-3/4" / 120.65 6 HS588C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-3/4" / 146.05 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS551C Man	HS544C	1-1/8"	2-3/4" / 69.85	6	
NS550C	HS546C	1-1/8"	2-7/8" / 73.03	6	
HS552C 1-1/8" 3-1/4" / 82.55 6 HS554C 1-1/8" 3-3/8" / 85.73 6 HS556C 1-1/8" 3-1/2" / 88.9 6 HS558C 1-1/8" 3-5/8" / 92.08 6 HS560C 1-1/8" 3-3/4" / 95.25 6 HS562C 1-1/8" 3-7/8" / 98.43 6 HS564C 1-1/8" 4" / 101.6 6 HS566C 1-1/8" 4-1/8" / 104.78 6 HS568C 1-1/8" 4-1/4" / 107.95 6 HS570C 1-1/8" 4-3/8" / 111.13 6 HS572C 1-1/8" 4-3/8" / 114.3 6 HS576C 1-1/8" 4-3/4" / 120.65 6 HS580C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS5511C Mandrel 1/4" / 6.35 - HS5514C Mandrel 1/2" / -	HS548C	1-1/8"	3" / 76.2	6	
HS554C 1-1/8" 3-3/8" / 85.73 6 HS556C 1-1/8" 3-1/2" / 88.9 6 HS558C 1-1/8" 3-5/8" / 92.08 6 HS560C 1-1/8" 3-3/4" / 95.25 6 HS562C 1-1/8" 3-7/8" / 98.43 6 HS564C 1-1/8" 4" / 101.6 6 HS566C 1-1/8" 4-1/8" / 104.78 6 HS568C 1-1/8" 4-1/4" / 107.95 6 HS570C 1-1/8" 4-3/8" / 111.13 6 HS572C 1-1/8" 4-1/2" / 114.3 6 HS576C 1-1/8" 4-3/4" / 120.65 6 HS580C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS591C Mandrel Adapter - - HS551C Mandrel 1/4" / 6.35 - HS554C Mandrel 1/2" / - -	HS550C	1-1/8"	3-1/8" / 79.38	6	
HS556C 1-1/8" 3-1/2" / 88.9 6 HS558C 1-1/8" 3-5/8" / 92.08 6 HS560C 1-1/8" 3-3/4" / 95.25 6 HS562C 1-1/8" 3-7/8" / 98.43 6 HS564C 1-1/8" 4" / 101.6 6 HS566C 1-1/8" 4-1/8" / 104.78 6 HS568C 1-1/8" 4-1/4" / 107.95 6 HS570C 1-1/8" 4-3/8" / 111.13 6 HS572C 1-1/8" 4-3/8" / 114.3 6 HS576C 1-1/8" 4-3/4" / 120.65 6 HS580C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS591C Mandrel Adapter - - HS551C Mandrel 1/4" / 6.35 - HS554C Mandrel 1/2" / -	HS552C	1-1/8"	3-1/4" / 82.55	6	
HS558C 1-1/8" 3-5/8" / 92.08 6 HS560C 1-1/8" 3-3/4" / 95.25 6 HS562C 1-1/8" 3-7/8" / 98.43 6 HS564C 1-1/8" 4" / 101.6 6 HS566C 1-1/8" 4-1/8" / 104.78 6 HS568C 1-1/8" 4-1/4" / 107.95 6 HS570C 1-1/8" 4-3/8" / 111.13 6 HS572C 1-1/8" 4-3/8" / 114.3 6 HS576C 1-1/8" 4-3/4" / 120.65 6 HS580C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS591C Mandrel Adapter - - HS551C Mandrel 1/4" / 6.35 - HS554C Mandrel 1/2" / -	HS554C	1-1/8"	3-3/8" / 85.73	6	
HS560C 1-1/8" 3-3/4" / 95.25 6 HS562C 1-1/8" 3-7/8" / 98.43 6 HS564C 1-1/8" 4" / 101.6 6 HS566C 1-1/8" 4-1/8" / 104.78 6 HS568C 1-1/8" 4-1/4" / 107.95 6 HS570C 1-1/8" 4-3/8" / 111.13 6 HS572C 1-1/8" 4-3/8" / 111.3 6 HS576C 1-1/8" 4-3/4" / 120.65 6 HS580C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS596C 1-1/8" 6" / 152.4 6 HS5511C Mandrel Adapter - - HS5514C Mandrel 1/4" / 6.35 - HS5545C Mandrel 1/2" / -	HS556C	1-1/8"	3-1/2" / 88.9	6	
HS562C 1-1/8" 3-7/8" / 98.43 6 HS564C 1-1/8" 4" / 101.6 6 HS566C 1-1/8" 4-1/8" / 104.78 6 HS568C 1-1/8" 4-1/4" / 107.95 6 HS570C 1-1/8" 4-3/8" / 111.13 6 HS572C 1-1/8" 4-3/8" / 114.3 6 HS576C 1-1/8" 4-3/4" / 120.65 6 HS580C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS591C Mandrel Adapter - - HS5511C Mandrel Adapter - - HS554C Mandrel 1/4" / 6.35 - HS5545C Mandrel 1/2" / - -	HS558C	1-1/8"	3-5/8" / 92.08	6	
HS564C 1-1/8" 4" / 101.6 6 HS566C 1-1/8" 4-1/8" / 104.78 6 HS568C 1-1/8" 4-1/4" / 107.95 6 HS570C 1-1/8" 4-3/8" / 111.13 6 HS572C 1-1/8" 4-1/2" / 114.3 6 HS576C 1-1/8" 4-3/4" / 120.65 6 HS580C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS596C 1-1/8" 6" / 152.4 6 HS5511C Mandrel Adapter - - • HS554C Mandrel 1/4" / 6.35 - •	HS560C	1-1/8"	3-3/4" / 95.25	6	
HS566C 1-1/8" 4-1/8" / 104.78 6 HS568C 1-1/8" 4-1/4" / 107.95 6 HS570C 1-1/8" 4-3/8" / 111.13 6 HS572C 1-1/8" 4-1/2" / 114.3 6 HS576C 1-1/8" 4-3/4" / 120.65 6 HS580C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS596C 1-1/8" 6" / 152.4 6 HS5511C Mandrel Adapter - - HS5514C Mandrel 1/4" / 6.35 - HS5545C Mandrel 1/2" / -	HS562C	1-1/8"	3-7/8" / 98.43	6	
HS568C 1-1/8" 4-1/4" / 107.95 6 HS570C 1-1/8" 4-3/8" / 111.13 6 HS572C 1-1/8" 4-3/4" / 120.65 6 HS576C 1-1/8" 4-3/4" / 120.65 6 HS580C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS596C 1-1/8" 6" / 152.4 6 HS5511C Mandrel Adapter - - HS5514C Mandrel 1/4" / 6.35 - HS5545C Mandrel 1/2" / -	HS564C	1-1/8"	4" / 101.6	6	
HS570C 1-1/8" 4-3/8" / 111.13 6 HS572C 1-1/8" 4-1/2" / 114.3 6 HS576C 1-1/8" 4-3/4" / 120.65 6 HS580C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS596C 1-1/8" 6" / 152.4 6 HS5511C Mandrel Adapter - - HS5514C Mandrel 1/4" / 6.35 - HS5545C Mandrel 1/2" / -	HS566C	1-1/8"	4-1/8" / 104.78	6	
HS572C 1-1/8" 4-1/2" / 114.3 6 HS576C 1-1/8" 4-3/4" / 120.65 6 HS580C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS596C 1-1/8" 6" / 152.4 6 HS5511C Mandrel Adapter - - HS5514C Mandrel 1/4" / 6.35 - HS5545C Mandrel 1/2" / -	HS568C	1-1/8"	4-1/4" / 107.95	6	
HS576C 1-1/8" 4-3/4" / 120.65 6 HS580C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS596C 1-1/8" 6" / 152.4 6 HS5511C Mandrel Adapter - - - HS5514C Mandrel 1/4" / 6.35 - • HS5545C Mandrel 1/2" / - •	HS570C	1-1/8"	4-3/8" / 111.13	6	
HS576C 1-1/8" 4-3/4" / 120.65 6 HS580C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS596C 1-1/8" 6" / 152.4 6 HS5511C Mandrel Adapter - - - HS5514C Mandrel 1/4" / 6.35 - • HS5545C Mandrel 1/2" / - •				6	
HS580C 1-1/8" 5" / 127 6 HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS596C 1-1/8" 6" / 152.4 6 HS5511C Mandrel Adapter - - - HS5514C Mandrel 1/4" / 6.35 - • HS5545C Mandrel 1/2" / - •				6	
HS588C 1-1/8" 5-1/2" / 139.7 6 HS592B 1-1/8" 5-3/4" / 146.05 6 HS596C 1-1/8" 6" / 152.4 6 HS5511C Mandrel Adapter - - - HS5514C Mandrel 1/4" / 6.35 - • HS5545C Mandrel 1/2" / - •				6	
HS592B 1-1/8" 5-3/4" / 146.05 6 HS596C 1-1/8" 6" / 152.4 6 HS5511C Mandrel Adapter - - • HS5514C Mandrel 1/4" / 6.35 - • HS5545C Mandrel 1/2" / - •			5-1/2" / 139.7	6	
HS596C 1-1/8" 6" / 152.4 6 HS5511C Mandrel Adapter - - • HS5514C Mandrel 1/4" / 6.35 - • HS5545C Mandrel 1/2" / - •				6	
HS5511C Mandrel Adapter - - HS5514C Mandrel 1/4" / 6.35 - • HS5545C Mandrel 1/2" / - •					
HS5514C Mandrel 1/4" / 6.35 - • HS5545C Mandrel 1/2" / - •	HS5511C			-	•
HS5545C Mandrel 1/2" / -			1/4" / 6.35	-	•
	HS5545C	Mandrel	1/2" /	-	•
H58333L	HS8535C	Pilot Drill	1/4" / 6.35	-	•

AGGESSORIES CUT-OFF WHEELS



ALUMINUM OXIDE CUT-OFF WHEELS - 50-PK.

- Double reinforced cut-off wheels provide long life
- Designed to fit any air tool using a 2-7/8" - 3" wheel



TYPE 1 ALUMINUM OXIDE CUT-OFF WHEELS

- · Double reinforced for durability
- Available in various thicknesses and hole sizes, these wheels work on 4" cut-off tools and 4-1/2" grinders but only for cutting applications

PRODUCT #	QUANTITY	GRIT	RPM	DIAMETER X THICKNESS X HOLE SIZE	TYPE
COW213238	10	60	25,000	2" x 1/32" x 3/8"	Aluminum Oxide
COW311623RPM	50	54	23,000	3" x 1/16" x 3/8"	Aluminum Oxide
COW3116GRN	5	54	25,000	3" x 1/16" x 3/8"	Aluminum Oxide
COW313223RPM	50	60	23,000	3" x 1/32" x 3/8"	Aluminum Oxide
COWA3116ECON-50	50	54	25,000	3" x 1/16" x 3/8"	Aluminum Oxide
COW411638	10	46	21,000	4" x 1/16" x 3/8"	Type 1 Aluminum Oxide
COW413238	10	54	21,000	4" x 1/32" x 3/8"	Type 1 Aluminum Oxide
COW4533278	10	46	11,900	4-1/2" x 3/32" x 7/8"	Type 1 Aluminum Oxide



EWBA 1/2" ADAPTER -1/4" SHANK

 Adapts 1/2" holes to air tools



3/8" MANDREL -1/4" SHANK

• For use with air tools to adapt them to a 3/8" hole



ADG32M 1/4" AND 3/8" MANDREL 1/4" SHANK

• For use with air tools to adapt them to a 1/4" or 3/8" hole cut-off wheel



2" TWIST TYPE BACKING PAD

 For 2" diameter surface preparation discs with Twist-To-Lock backings

FLAP GRINDING DISCS





- Designed to work on 3M® or any similar holder, this Mini Flap Disc is a cup shape with the flaring out instead of flush against the pad
- Perfect for finishing rounded surfaces and corners in any application where you would normally use a mini grinding disc
- Lasts 3-4 times longer, requiring less changing than regular mini grinding discs
- · Resists chipping, snagging, and cracking

PRODUCT #	DIAMETER X HOLE	GRIT	RPM
MCSFD2Z40	2" x Twist Lock Button	Zirconia 40	25000
MCSFD2Z60	2" x Twist Lock Button	Zirconia 60	25000
MCSFD2Z80	2" x Twist Lock Button	Zirconia 80	25000
MCSFD3Z40	3" x Twist Lock Button	Zirconia 40	20000
MCSFD3Z60	3" x Twist Lock Button	Zirconia 60	20000
MCSFD3Z80	3" x Twist Lock Button	Zirconia 80	20000





FD4578Z36T27

FD455811Z60T27

TYPE 27 FLAP DISCS

- Designed to replace regular resin-fiber discs, these heavy-duty zirconia discs are available in three popular grit sizes
- Fiberglass backing pad will flex as the discs grind, giving a continual new edge
- Does not waste the center area like traditional resin fibre discs

PRODUCT #	DIAMETER X HOLE	GRIT	RPM
FD455811Z36T27	4-1/2" x 5/8"-11	Zirconia 36	13500
FD455811Z60T27	4-1/2" x 5/8"-11	Zirconia 60	13500
FD455811Z80T27	4-1/2" x 5/8"-11	Zirconia 80	13500
FD4578Z36T27	4-1/2" x 7/8"	Zirconia 36	13500
FD4578Z60T27	4-1/2" x 7/8"	Zirconia 60	13500
FD4578Z80T27	4-1/2" x 7/8"	Zirconia 80	13500



TYPE 27 MINI FLAP DISCS

- Designed for aggressive grinding on welds and any other areas requiring finishing and metal reduction
- Slightly flexible; resisting chipping, snagging, and cracking

PRODUCT #	DIAMETER X HOLE	GRIT	RPM
MFD2Z4OT27	2" x Twist Lock Button	Zirconia 40	25000
MFD2Z6OT27	2" x Twist Lock Button	Zirconia 60	25000
MFD2Z8OT27	2" x Twist Lock Button	Zirconia 80	25000
MFD3Z40T27	3" x Twist Lock Button	Zirconia 40	20000
MFD3Z6OT27	3" x Twist Lock Button	Zirconia 60	20000
MFD3Z8OT27	3" x Twist Lock Button	Zirconia 80	20000

M2531-A 1/8" DRIVE OPTIONAL COLLET ADAPTER

• Fits all 1/4" die grinders





AS15-87 ROLOC® THREAD ADAPTER

- 2" Backing pad and adapter
- 10mm x 1.5 Thread





ACCESSORIES SURFACE PREPARATION



MINI GRINDING DISC

- · Aluminum-oxide mini grinding discs are perfect for all your grinding needs where space is an issue
- Available in 2" or 3" with a 3M® compatible button, they are a heavy resin fibre material for extra strength and durability

PRODUCT #	DIAMETER X HOLE	GRIT	RPM
MGDA0224	2" x Twist to Lock Button	Aluminum Oxide 24	25,000
MGDA0236	2" x Twist to Lock Button	Aluminum Oxide 36	25,000
MGDA0250	2" x Twist to Lock Button	Aluminum Oxide 50	25,000
MGDA0280	2" x Twist to Lock Button	Aluminum Oxide 80	25,000
MGDA0324	3" x Twist to Lock Button	Aluminum Oxide 24	20,000
MGDA0336	3" x Twist to Lock Button	Aluminum Oxide 36	20,000
MGDA0350	3" x Twist to Lock Button	Aluminum Oxide 50	20,000
MGDA0380	3" x Twist to Lock Button	Aluminum Oxide 80	20,000



DEPRESSED-CENTER ALUMINUM-OXIDE GRINDING WHEELS

- For all your heavy-duty grinding needs, we have the 4" and 4-1/2" grinding wheels as well as cut-off wheels for your angle grinders
- Offering a variety of thicknesses, hole sizes, and hubs, we can cover your 4" and 4-1/2" grinding/cutting needs
- All products made of reinforced aluminum oxide material

PRODUCT #	DIAMETER X THICKNESS X HOLE SIZE	GRIT	RPM
DCGD41458	4" x 1/4" x 5/8"	Aluminum Oxide 24	13,700
DCGD45145811NC	4-1/2" x 1/4" x 5/8"	Aluminum Oxide 24	11,900
DCGD451478	4-1/2" x 1/4" x 7/8"	Aluminum Oxide 24	11,900



DCAGD21860

2" MINI GRINDING DISCS

- · Reinforced for strong, durable long life usage
- They can get into small corners where others can't

PRODUCT #	DIAMETER X THICKNESS X HOLE SIZE	GRIT	RPM
DCAGD218120	2" x 1/8" x 3/8"	Aluminum Oxide 120	20,000
DCAGD21860	2" x 1/8" x 3/8"	Aluminum Oxide 60	20,000
DCAGD21880	2" x 1/8" x 3/8"	Aluminum Oxide 80	20,000

AG200338TBP (NOT SHOWN)

ROLOC® ADAPTER

Adapts a Roloc® style attachment to work with a 3/8 - 24 thread tool

AG200238TBP

2" X 3/8"- 24 THREADED **BACKING PAD FOR AG200**

 Makes AG200 compatible with all "R" type backed surface preparation discs or mini grinding discs



RA5811

REUSABLE ADAPTER

• For use on 5/8"-11 hole grinding wheels without a hub



MPD0380

2" METAL POLISHING

DISC - 10-PK









MSD6057 2" HOLDER PAD

MSD6060 (NOT SHOWN)

3" HOLDER PAD

- Highest quality rubber holder pads with the standard 1/4" shank drive
- Roloc[®] style receiver for sanding and surface conditioning discs



AG200-HPN **HOLDER PAD AND** SPINDLE NUT







MSD0358 2" FINISH

MSD0384 2" COARSE MSD0385 2" MEDIUM

MSD0386

MSD0398 2" CLEAN

2" VERY FINE

QUICK-CHANGE SURFACE CONDITIONING DISCS

- Designed to remove gaskets, sealants, and corrosion quickly without loading the disc's cutting surface
- Extremely durable and will fit all Roloc® style holder pads

TGC2250

THERMOSTAT GASKET CLEANER

- · Cleans all hard-to-reach gasket surfaces
- Use with a die grinder to quickly clean gasket surfaces on Dodge® pickups, oil pans, water pumps and other inaccessible applications
- Equipped with a floating guide shaft so the user can steer the abrasive pad around the gasket surface

INCLUDES:

- (2) Abrasive Pads
- (1) Disc Holder
- (1) Short Extension





MSD0484 3" COARSE



MSD0485 3" MEDIUM



MSD0486 3" VERY FINE

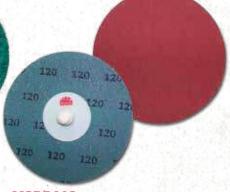
AGG 5502/55 SURFACE PREPARATION



GREEN POWER ZIRC QUICK-CHANGE SANDING DISCS

- Unique green quick-change discs are popular with body shops for grinding spot welds, breaking sharp edges, and removing heavy corrosion
- Grinding aid built-in which allows the disc to cut cooler and thus last longer

PRODUCT #	GRIT	SIZE
MSD8422	36	2"
MSD8424	50	2"
MSD8522	36	3"
MSD8524	50	3"



MSD5418

QUICK-CHANGE BRAKE DISC - 2" 120X PINNACLE

- Designed specifically for applying a non-directional scratch pattern on disc brake rotors after being turned in a brake lathe
- Special grain allows the disc to run cooler and thus will not overheat the rotor during grinding
- Fits all Roloc® style holder pads

MSD5518

QUICK-CHANGE BRAKE DISC - 3" 120X PINNACLE





PRODUCT #	PAD SIZE	PAD TYPE
MGDA0224	2"	24 Grit
MGDA0236	2"	36 Grit
MGDA0250	2"	50 Grit
MSD622TB	2"	Medium
MSD632TB	3"	Medium
MSD620TB	2"	Coarse
MSD630TB	3"	Coarse
MSD8425	2"	60X QC
MSD8525	3"	60X QC
MSD8426	2"	80X QC
MSD8526	3"	80X QC
SPD-DISPLAY	_	Display

























ACCESSORIES ORBITAL SANDER ACCESSORIES



AS3MS-DF-KIT

NON-VAC 3" (77MM) TO SELF-GENERATED VAC KIT WITH HOSES AND COLLECTION BAG



AS3MS-VA-KIT

NON-VAC 3" (77MM) TO CENTRAL VAC KIT



AS34MS-DF

NON-VAC 3" X 4" (75 X 100MM) TO SELF-GENERATED VAC KIT WITH HOSES AND COLLECTION BAG



AS34MS-VA

NON-VAC 3" X 4" (75 X 100MM) TO CENTRAL VAC KIT



AS3237MS-DF

NON-VAC 3-2/3" X 7" (75 X 175MM) TO SELF-GENERATED VAC KIT WITH HOSES AND COLLECTION BAG



AS6MS-DF-KIT

NON-VAC 5"/6" (152MM) TO SELF-GENERATED VAC KIT WITH HOSES AND COLLECTION BAG



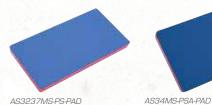
AS3237MS-VA

NON-VAC 3-2/3" X 7" (75 X 175MM) TO CENTRAL VAC KIT



AS6MS-VA-KIT

NON-VAC 5"/6" (152MM) TO CENTRAL VAC KIT





















AS3237MS-JH-PAD

AS3237MS-JV-PAD

AS34MS-JH-PAD

AS34MS-JHV-PAD

AS6MS-JH-PAD













AS6MS-JHV-PAD

AS3MS-JH-PAD

AS3MS-JHV-PAD

AS413-101

AS717-79

AS517-42

PRODUCT #	PAD FACE	PAD SIZE	PAD TYPE	USE WITH TOOL:
AS3237MS-PS-PAD	PSA	3-2/3" x 7"	Non-Vac	AS3237MS-PSA
AS34MS-PSA-PAD	PSA	3" x 4"	Non-Vac	AS34MS-PSA
AS3MS-PSA-PAD	PSA	3"	Low-Profile Non-Vac	AS3MS-PSA
AS5MS-PSA-PAD	PSA	5"	Tapered Edge Non-Vac	AS5MS-PSA
AS6MS-PSA-PAD	PSA	6"	Tapered Edge Non-Vac	AS6MS-PSA
AS3237MS-JH-PAD	J-Hook	3-2/3" x 7"	Non-Vac	AS3237MS-JH
AS3237MS-JV-PAD	J-Hook	3-2/3" X 7"	Vacuum	AS3237MS
AS34MS-JH-PAD	J-Hook	3" x 4"	Non-Vac	AS3237MS
AS34MS-JHV-PAD	J-Hook	3" x 4"	Vacuum	AS34MS
AS6MS-JH-PAD	J-Hook	6"	Tapered Edge Non-Vac	ASGMS
AS6MS-JHV-PAD	J-Hook	6"	Tapered Edge Vacuum	ASGMS
AS3MS-JH-PAD	J-Hook	3"	Tapered Edge Non-Vac	AS3MS
AS3MS-JHV-PAD	J-Hook	3"	Low-Profile Vaccuum	AS3MS
AS717-79	N/A	7"	N/A	AS717
AS517-42	N/A	3'	N/A	AS517

AGGESSORIES WIRE WHEELS



FLAP WHEELS

- Long life aluminum-oxide flap wheels are made for die grinders with a permanent 1/4" steel shank for quick-changes
- Smooth running/fast cutting, for polishing, blending, surface preparation on steel, aluminum, rubber, wood, plastics, or acrylics
- · High quality rugged aluminum oxide paper
- Available in 1", 2", and 3" diameters
- Offered in 60, 80, and 120 grits to suit all jobs

PRODUCT #	GRIT	RPM	SIZE
FW110	Aluminum-Oxide 120	30000	1" x 1" x 1/4"
FW1160	Aluminum-Oxide 60	30000	1" x 1" x 1/4"
FW1180	Aluminum-Oxide 80	30000	1" x 1" x 1/4"
FW210	Aluminum-Oxide 120	25000	2" x 1" x 1/4"
FW2160	Aluminum-Oxide 60	25000	2" x 1" x 1/4"
FW2180	Aluminum-Oxide 80	25000	2" x 1" x 1/4"
FW310	Aluminum-Oxide 120	20000	3" x 1" x 1/4"
FW3160	Aluminum-Oxide 60	20000	3" x 1" x 1/4"
FW3180	Aluminum-Oxide 60	20000	3" x 1" x 1/4"

WIRE END BRUSH

- Adhere to the highest standards and specifications in the industry
- Used for heavy-duty cleaning of large or small metal surfaces, they will attack weld scaling and corrosion, and are very effective for cleaning prior to welding, rust and paint removal, steel tank cleaning, and many other cleaning and rust removal applications

PRODUCT #	DIAMETER X LENGTH	RPM	STYLE
EB118X1KT	1-1/8" x 1"	20000	Knotted on 1/4" Shaft
EB12VT	1/2" x 1-1/8"	20000	Crimped on 1/4" Shaft
EB134X34TCS	1-3/4" x 3/4" Trim	4500	Crimped on 1/4" Shaft
EB1X118ST	1" x 1-1/8"	20000	Crimped on 1/4" Shaft
EB234X78CS	2-3/4" x 7/8" Trim	4500	Crimped on 1/4" Shaft
EB34X1ST	3/4" x 1"	20000	Crimped on 1/4" Shaft
WBKC3	3" x 5/8"	9000	Twist Knotted
WBKC4	4" x 5/8"	8500	Twist Knotted
WTWS8	8" x 1/2" x 5/8"	8500	Twist Knotted
WWA6	6" x 1/2" x 5/8"	6000	Medium Face Crimped
WBE3502	2"	20000	Encapsulated Wire
WBE3503	3"	20000	Encapsulated Wire

BRUSHES



PBBS819DF

36-PC. PROFESSIONAL BORE BRUSH SET

- Clean bushings, ports, tubes, holes, channels, sockets, brake guides, and much more
- Thirty-six brushes: steel, brass, and nylon
- 8mm 19mm with 1/4" Hex shank
- Twisted wires for increased cleaning function
- Comes in a rugged plastic case

Applications include: cylinder head bolt holes, clogged EGR ports, corroded light sockets, battery terminal clamps, transmission valve bodies, punch die cleaning, custom fixture maintenance, transfer case guide holes, and surface rust removal brushes

"WARNING: This product contains chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm."

PRODUCT #	DESCRIPTION	SIZE	SETS
PBBS819DF	36-PC. PROFESSIONAL BORE BRUS	SH SET	
PBBS36-08B	Brass Tube Brush	8mm	•
PBBS36-08N	Nylon Tube Brush	8mm	•
PBBS36-08S	Steel Tube Brush	8mm	•
PBBS36-09B	Brass Tube Brush	9mm	•
PBBS36-09N	Nylon Tube Brush	9mm	•
PBBS36-09S	Steel Tube Brush	9mm	•
PBBS36-10B	Brass Tube Brush	10mm	•
PBBS36-10N	Nylon Tube Brush	10mm	•
PBBS36-10S	Steel Tube Brush	10mm	•
PBBS36-11B	Brass Tube Brush	11mm	•
PBBS36-11N	Nylon Tube Brush	11mm	•
PBBS36-11S	Steel Tube Brush	11mm	•
PBBS36-12B	Brass Tube Brush	12mm	•
PBBS36-12N	Nylon Tube Brush	12mm	•
PBBS36-12S	Steel Tube Brush	12mm	•
PBBS36-13B	Brass Tube Brush	13mm	•
PBBS36-13N	Nylon Tube Brush	13mm	•
PBBS36-13S	Steel Tube Brush	13mm	•
PBBS36-14B	Brass Tube Brush	14mm	•
PBBS36-14N	Nylon Tube Brush	14mm	•
PBBS36-14S	Steel Tube Brush	14mm	•
PBBS36-15B	Brass Tube Brush	15mm	•
PBBS36-15N	Nylon Tube Brush	15mm	•
PBBS36-15S	Steel Tube Brush	15mm	•
PBBS36-16B	Brass Tube Brush	16mm	•
PBBS36-16N	Nylon Tube Brush	16mm	•
PBBS36-16S	Steel Tube Brush	16mm	•
PBBS36-17B	Brass Tube Brush	17mm	•
PBBS36-17N	Nylon Tube Brush	17mm	•
PBBS36-17S	Steel Tube Brush	17mm	•
PBBS36-18B	Brass Tube Brush	18mm	•
PBBS36-18N	Nylon Tube Brush	18mm	•
PBBS36-18S	Steel Tube Brush	18mm	•
PBBS36-19B	Brass Tube Brush	19mm	•
PBBS36-19N	Nylon Tube Brush	19mm	•
PBBS36-19S	Steel Tube Brush	19mm	•

ACC 55502/55 GRINDING STONES



VRSAW7

7-PC. GRIND AND DEBURR STONE SET

- · Assortment of aluminum-oxide grinding points
- Excellent for general grinding, polishing, and deburring
- 1-1/2" Long x 1/4" diameter shanks

INCLUDES	DIAMETER MM / IN. THICKNESS MM / IN.		RPM
Porting Wheel	19.1 / 3/4"	63.5 / 2-1/2"	19800
Porting Wheel	19.1 / 3/4"	31.8 / 1-1/4"	48000
Mounted Point	9.5 / 3/8"	25.4 / 1"	55200
Mounted Point	12.7 / 1/2"	38.1 / 1-1/2"	30370
Mounted Point	17.46 / 11/16"	6.4 / 1/4"	48000
Mounted Point	25.4 / 1"	25.4 / 1"	34500
Mounted Point	31.8 / 1-1/4"	6.4 / 1/4"	30560



9-PC. GENERAL PURPOSE COARSE STONE SET

- Assortment of coarse 24-grit abrasive, multi-purpose grinding wheels
- Fast stock removal; for mild steel and cast iron-high removal rate

INCLUDES	DIAMETER MM / IN.	THICKNESS MM / IN.	RPM
Porting Wheel	17.5 / 11/16"	31.8 / 1-1/4"	48000
Mounted Point	9.5 / 3/8"	31.8 / 1-1/4"	45750
Mounted Point	15.9 / 5/8"	25.4 / 1"	35250
Mounted Point	19.1 / 3/4"	25.4 / 1"	34500
Mounted Point	19.1 / 3/4"	28.6 / 1-1/8"	45000
Mounted Point	25.4 / 1"	9.5 / 3/8"	38200
Mounted Point	25.4 / 1"	15.9 / 5/8"	38200
Mounted Point	25.4 / 1"	25.4 / 1"	34500
Mounted Point	25.4 / 1"	25.4 / 1"	35620



290-01

120V DREMEL ENGRAVER

- This unique kit lets you engrave or decorate a wide variety of materials, including metal, plastic, glass, ceramic, wood and leather
- Letter and number template makes etching words and numbers simple
- Replaceable carbide point gives you the power to engrave on most surfaces
- 6-Ft. power cord



AGGESSORIES CARBIDE BURRS

- Precision shanks are a full 6" long
- Heavy-duty burr heads
- Use with any of our 1/4" collet die grinders
- Ideal for use in many aircraft applications
- · Removes burrs on most metals, cast iron, or welding areas



3-PC. LONG CARBIDE BURR SET

PRODUCT #	SHAPE	SIZE	SET
CB3L-A	3-PC. Long Carbide Burr Set		
CBC3L	Cylinder Radius End Burr	3/8"	•
CBE3L	Oval Carbide Burr	3/8"	•
CBF3L	Tree Radius Burr	3/8"	•



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PRODUCT #	SHAPE	SIZE	SET
CB3LA-A	3-PC. Long Non-Ferrous Carbide Burr Set		
04865-CBE3NF-L6	Cylinder Radius End Burr	3/8"	•
04865-SC3NFL6	Oval Carbide Burr	3/8"	•
04865-SF3NFL6	Tree Radius Burr	3/8"	•



CB8TS-A

8-PC.TITANIUM-COATED **CARBIDE BURR SET**

- Most popular 1/4" shank titanium coated burrs
- Metal index case

PRODUCT #	QUARE	SIZE	SET
PRUDUCI #	SHAPE	SIZE	251
CB8TS-A	8-PC. Titanium Coated Carbide Burr Set		
CB1NFT	Non-Ferrous Burr-Titanium	1/4" x 5/8"	•
CBA1T-A	Cyl/Radius-Titanium	1/4" x 5/8" x 1/4"	•
CBC3T-A	Burr/Cyl E/C-Titanium	1/4" x 3/4" x 1/4"	•
CBD2T-A	Ball Burr-Titanium	5/16" x 1/4"	•
CBE3T-A	Oval Burr-Titanium	3/8" x 5/8"	•
CBF3T-A	Tree Radius Burr-Titanium	3/8" x 3/4"	•
CBG3T-A	Tree Point-Titanium	3/8" x 3/4"	•
CBL3T-A	Taper-Titanium	3/8" x 1-1/16"	•



CBM8TS-A

8-PC. MINI TITANIUM CARBIDE BURR SET

- 1/8" Shank
- 1/4" to 1/8" Adapter
- Metal index case

PRODUCT #	SHAPE	SIZE	SET
CBM8TS-A	8-PC. Mini Titanium Carbide Burr Set		
СВА43Т-А	Burr Cyclindrical-Titanium	1/8"	•
CBC42T-A	Burr Cyclindrical w/ Rad End-Titanium	1/8"	•
CBD42T-A	Burr Ball End-Titanium	1/8"	•
CBE41T-A	Burr Oval Shape-Titanium	1/8"	•
CBF42T-A	Tree With Radius-Titanium	1/8"	•
CBG44T-A	Burr Tree w/ Pntd End-Titanium	1/8"	•
CBL42T-A	Burr Taper-Titanium	1/8"	•
СВМ42Т-А	Burr Cone 14°-Titanium	1/8"	•
M2531-A	Collet Adapter	1/4"M to 1/8"F	•



CARBIDE BURRS

- For use with 1/4" high-speed grinders
 Removes burrs from sheet metal or cast iron
- Cleans up welding areasMaximum RPM rating of 30,000

PRODUCT #	FLUTE MM / IN.	HEAD MM / In.	SHAPE		S	EΤ	
CBD-TOOLS-A	19-PC. Acrylic Display Carbide Burr Set						
CB5S-A	5-PC. Miscellaneo	5-PC. Miscellaneous Carbide Burr Set					
CB4S-A	4-PC. Miscellaneo	us Carbide Burr Se	t e				
CB3NFS	3-PC. Non-Ferrou	Carbide Burr Set					
CBA1-A	19.1 / 3/4"	6.4 / 1/4"	Cylindrical		•	•	•
CBA5-A	25.4 / 1"	12.7 / 1/2"	Cylindrical				•
CBC3-A	19.1 / 3/4"	9.5 / 3/8"	Cylindrical/Radius End		•		•
CBC5-A	25.4 / 1"	12.7 / 1/2"	Cylindrical/Radius End				•
CBC5CS-A	6.4 / 1/4"	12.7 / 1/2"	90° Cone			•	•
CBC5NF-A	25.4 / 1"	12.7 / 1/2"	Cylindrical/Radius End	•			•
CBD2-A	6.4 / 1/4"	7.9 / 5/16"	Ball				•
CBD5NF-A	11.1 / 7/16"	12.7 / 1/2"	Ball	•			•
CBE5-A	22.2 / 7/8"	12.7 / 1/2"	Oval				•
CBF3-A	19.1 / 3/4"	9.5 / 3/8"	Tree/Radius End				•
CBF5-A	25.4 / 1"	12.7 / 1/2"	Tree/Radius End		•	•	•
CBF5NF-A	25.4 / 1"	12.7 / 1/2"	Tree Radius				•
CBG3-A	19.1 / 3/4"	9.5 / 3/8"	Tree/Pointed End				•
CBL3-A	27 / 1-1/16"	9.5 / 3/8"	Taper (14° Angle)		•		•
CBL3NF-A	27 / 1-1/16"	9.5 / 3/8"	14° Taper	•			•
CBL4-A	28.6 / 1-1/8"	12.7 / 1/2"	14° Taper/Radius End				•
CBM5-A	22.2 / 7/8"	12.7 / 1/2"	Cone (28° Angle)				•
CBR3D-A	19.1 / 3/4"	6.4 / 1/4"	Diamond Cut Fiberglass Router			•	•
CBR3FL-A	NA	6.4 / 1/4"	Carbide Router for Aluminum and Plexiglass			•	•



AGGESSORIES AIR HAMMER ACCESSORIES



PRODUCT #	DESCRIPTION	BLADE SIZE MM / IN.	LENGTH MM / IN.	USES	SET
AHBK5P	Air Hammer Bit Kit				
АН8МР	Guide Driver Bit	6.4 / 1/4"	152.4 / 6"	-	
AH1100P	Nut Splitter Bit	19.1 / 3/4"	254 / 10"	For 5/16" Nuts	
AH1101P	Nut Splitter Bit	19.1 / 3/4"	254 / 10"	For 3/8" Nuts	
AH119P	Tie Rod Wedge Bit	16.7 / 21/32"	203.2 / 8"	-	
AH122P	Ball Joint Wedge Bit	23.8 / 15/16"	203.2 / 8"	-	
AH123P	Truck Brake Rivet Punch Bit	NA	152.4 / 6"	-	
AH127P	Body Smoother Hammer Bit	38.1 / 1-1/2"	127 / 5"	-	
AH134P	Drag Link Breaker Hammer Bit	NA	127 / 5"	-	
AH3105P	Claw Ripper Edging Tool with Non-Turn Shank Bit	19.1 / 3/4"	171.5 / 6-3/4"	-	
AH357P	Inside Muffler Cutter Bit	31.8 / 1-1/4"	203.2 / 8"	-	
AH358P	Outside Muffler Cutter Bit	28.6 / 1-1/8"	203.2 / 8"	-	
AH388P	Combination Muffler Cutter Bit	NA	203.2 / 8"	-	
AH902P	Tail Pipe Cutter Bit	25.4 / 1"	177.8 / 7"	For Cutting Tail Pipes with Curved Surfaces	•
AH904P	Bushing Removal Chisel Bit	31.8 / 1-1/4"	158.8 / 6-1/4"	Removes Bushings in Control Arms	
AH905P	Wide Chisel Bit	33.3 / 1-5/16"	165.1 / 6-1/2"	For Scraping Rust and Paint Removal	
AH906P	Bushing Splitter Bit	12.7 / 1/2"	165.1 / 6-1/2"	Removes Idler Arms and Bushings	
AH907P	Claw Ripper Edging Tool Bit	19.1 / 3/4"	139.7 / 5-1/2"	For Cutting Body Panels	•
AH908P	Muffler Cutter Bit	12.7 / 1/2"	190.5 / 7-1/2"	Removes Clamp Type Mufflers	
AH909P	Panel Cutter Bit	19.1 / 3/4"	177.8 / 7"	-	•
AH910LP	Flat Chisel — Long Bit	19.1 / 3/4"	279.4 / 11"	-	
AH910NP	Flat Chisel with Narrow Blade Bit	12.7 / 1/2"	177.8 / 7"	-	
AH910P	Flat Chisel — Standard Bit	19.1 / 3/4"	177.8 / 7"	-	•
АН910ХР	Flat Chisel — X-Long Bit	19.1 / 3/4"	457.2 / 18"	-	
AH911P	Tapered Punch Bit	NA	177.8 / 7"	-	•
AH912P	Flat Chisel with Curved Blade Bit	12.7 / 1/2"	139.7 / 5-1/2"	-	
AH913P	Blank Punch Bit	12.7 / 1/2"	177.8 / 7"	-	
AH914P	Spot Weld Breaker Bit	25.4 / 1"	165.1 / 6-1/2"	Removes Undercoating and Other Deadeners	
AH923P	Single Blade Cutter Bit	19.1 / 3/4"	152.4 / 6"	For Panel Cutting, with Pointed End Hole Starter	
AH925XP	Pencil Point Nut Splitter Bit	NA	457.2 / 18"	Long, Extra Sharpened Point for Busting Nuts	
AH945P	Hammer Bit	25.4 / 1"	101.6 / 4"	-	
AH951P	Undercoat Scraper Bit	25.4 / 1"	171.5 / 6-3/4"	-	

AIR HAMMER AND BUFFING ACCESSORIES





MERTMAN-AMANDREL FOR MERT-A

• 3/8" x 18 male by 5/16" x 24 male threaded adapter



MSD0498 3" CLEANING/CROSS BUFF DISC





.401 SHANK 3/8" DRIVE AIR HAMMER SOCKET ADAPTER

AH5512

.401 SHANK 1/2" DRIVE AIR HAMMER SOCKET ADAPTER

MERT-A

PIN STRIPE REMOVING TOOL

- Effectively removes all stripe and molding adhesives with this easy tool
- Used on drills with a mandrel (mandrel sold separately)
- Dimensions:
 3-1/2" x 5/8" x 5/16" 24 Thread
- 4,000 RPM MAX





CROSS BUFFS

PRODUCT#	DESCRIPTION	SIZE
CB1531 Cross Buff Fine Abrasive		1-1/2" 3-Ply
CB1532	Cross Buff Medium Abrasive	1-1/2" 3-Ply
CB1021	Cross Buff Fine Abrasive (10)	1" 2-Ply
CB1022	Cross Buff Medium Abrasive (10)	1" 2-Ply

ACCESSON 1/45 METAL BLASTING





MMB1-20 BLASTER WIRE WHEEL ADAPTER KIT



MB6901BHD DOUBLE HUB FOR BLACK GRINDING DISC

• Holds two black grinding discs for double the power



MMB1-1 AUTO BODY SHOP KIT



MMB1-4 5-PK. MEDIUM STEEL BLASTING WHEELS



MMB1-7 5-PK. FINE STAINLESS BLASTING WHEELS



MMB1-2
MECHANIC'S STARTER KIT



MMB1-5 5-PK. FINE STEEL BLASTING WHEELS



MMB1-8
5-PK. COARSE STAINLESS
BLASTING WHEELS



MMB1-3 5-PK. COARSE STEEL BLASTING WHEELS



TOOL BAGS

TB505 **MULTI-USE TOOL BAG**

TB506

MULTI-USE TOOL ROLLER BAG WITH TELESCOPIC HANDLE

- Special screwdriver and saw compartment
- Flap-top storage pouchDurable 1,200 x 1,200D fabric
- · Rigid and waterproof plastic bottom







MTB001 SMALL TOOL BAG MTB002 MEDIUM TOOL BAG MTB003 LARGE TOOL BAG

- Industrial-strength materials
- Ergonomic handle design



TBLGORG ORGANIZER TOOL BAG

- Three interior sections and numerous pockets for easy organization

 • Durable 600D polyester material
- Padded shoulder strap

PRODUCT #	DESCRIPTION	OVERALL DIMENSIONS W x H x D (IN.)	OPEN Pockets	ZIPPERED Pockets	VELCRO® Pockets	TOTAL POCKETS	WEIGHT LBS.
MTB001	Tool Bag	13-1/2" x 9" x 8-1/2"	8	-	-	8	1
MTB002	Tool Bag	18-1/2" x 11" x 12"	4	2	4	10	2
MTB003	Tool Bag	24" x 13" x 13"	4	2	4	10	4
TBLGORG	Tool Bag	16" x 12" x 12"	17	-	1	18	5
TB505	Tool Bag	19" x 13-1/2" x 9"	9	1	3	13	8
TB506	Tool Bag	19" x 13-1/2" x 9"	9	1	3	13	12

AIR HOSES AND COUPLERS AIR HOSES



AS16 SIPHON CURVED SPRAY GUN

- For applying solvents with compressed air
- Operating pressure range of 35 to 175 psi.
- Flexible neoprene hose



RP900375 REUSABLE END 3/8" FLEXZILLA® AIR HOSE

- Reusable NPT anodized aluminum fitting
- Spiral bend restrictor increases hose flexibility
- Easily repair hose using two wrenches



RP901375

REUSABLE SPLICER 3/8" FLEXZILLA® AIR HOSE

- Reusable anodized aluminum hose splicer
- Easily repair hose using two wrenches



BG221 SIPHON-SPRAY

- Combination blow gun and siphon spray nozzle
- Sprays liquids or applies protective coatings
- 1/4" Female pipe threading with 6' (15.2 m) hose
- Barbed siphon inlet fits 1/4" i.d. hose or tubing



AS13 STRAIGHT-TIP SIPHON SPRAY GUN

- Ideal for applying solvents with compressed air
- Operating range: 35 psi. 175 psi.
- Flexible neoprene hose
- 6' Hose



3/8" X 6' BALL SWIVEL WHIP HOSE

- Made from engineered hybrid polymer so it's easy to flex and will not kink in cold weather
- · Lightweight and easy to handle
- Excellent abrasion resistance to reduce damage when dragged
- Reinforced bend restrictor



AL2000-FZ CHUCK INFLATOR WITH FLEXZILLA® HOSE

- Straight-on chuck with 12 in. Flexzilla® air hose
- Heavy duty gauge with 1/4 in. NPT
- Indicator bar is calibrated in 2 psi increments from 20-100 psi (Full range: 20-170 psi)
- Brass internal parts



AL2025FZ-2

CHUCK INFLATOR WITH FLEXZILLA® HOSE

- Extreme all-weather flexibility (-40° to 140°F)
- Range: 10psi 170psi
- Lavs flat no memory
- · Quick-connect plug and coupler system
- Durable abrasion-resistant outer cover
- Trigger actuated deflate function

3/8" FLEXZILLA® AIR HOSE

- Made from engineered hybrid polymer to flex easily and will not kink in cold weather
- · Lightweight and easy to handle
- Excellent abrasion resistance to reduce damage when dragged
- Reinforced bend restrictor

PRODUCT #	DIAMETER In. / MM	LENGTH In. / MM
HFZ3825YW2	3/8" / 9.5	25' / 7.6
HFZ3850YW2	3/8" / 9.5	50' / 15.2



HFZG12050QN

GARDEN HOSE KIT

- Extreme all-weather flexibility
- Won't kink under pressure
- · Lightweight, coils easily
- Durable abrasion-resistant outer cover
- 3/4 in. 11 1/2 GHT fittings both ends
- Max. working pressure at 70°F: 150 psi

INCLUDES:

- (1) Garden Hose with Quick Connect Couplers
- (1) Hose hanger
- (1) Nozzle
- (1) Adapter for spigot
- (2) Garden hose attachment adapters

DIAMETER IN. / MM	LENGTH IN. / MM		
3/8" / 9.5	50' / 15.2		



HFZP3850YW2 FLEXZILLA® PRO FIELD REPAIRABLE AIR HOSE

- Extreme all-weather flexibility, even in sub-zero temperatures (-40 to 140° F)
- Field repairable reusable anodized aircraft aluminum fittings
- Lays flat, no memory
- Superior bend radius
- Kink-resistant under pressure
- Maximum working pressure at 70°: 300 PSI
- 3:1 Safety factor
- Excellent abrasion-resistant outer cover

INCLUDES:

Spiral Bend Restrictors For Increased Flexibility



L8250 3/8" X 50' AIR HOSE REEL



HFZ38250YW FLEXZILLA® BULK AIR HOSE

- Extreme all-weather flexibility, even in sub-zero temperatures (-40 to 140° F)
- · Lays flat, no memory
- · Superior bend radius
- Kink-resistant under pressure
- Maximum working pressure: 300 PSI
- 3:1 Safety factor
- · Excellent abrasion-resistant outer cover
- Made from premium hybrid polymer

DIAMETER IN. / MM	LENGTH IN. / MM
3/8" / 9.5	250' / 76.2



L8305FZ 3/8" X 50' FLEXZILLA® AIR HOSE REEL

- Unique winding system automatically layers hose ensuring that the hose is coiled smoothly, easily, and every time
- Adjustable hose stopper increase or decrease the length of the hose that remains when hose is fully retracted
- 7-Position locking bracket can swivel freely on a mounting bracket up to 135°
- Latching mode switch latches hose every
 3' or immediate automatic rewinding
- Extra large swivel a 3/4" swivel inlet reduces flow restrictions and allows for Maximum flow
- Freestanding base allows reel to rest on ground
- Kink-resistant under pressure
- Extreme all-weather flexibility, even in subzero temperatures (-40 to 140° F)
- Maximum working pressure: 300 PSI
- · 3:1 Safety factor
- Excellent abrasion-resistant outer cover

DIAMETER IN. / MM	LENGTH IN. / MM
3/8" / 9.5	50' / 15.2

AIR HOSES AND COUPLERS COUPLERS



NIPPLE PRODUCT #	DESCRIPTION	COUPLER PRODUCT #	DESCRIPTION		
ARO 210 STYLE FITT	INGS				
A2609BP	1/4" Female Nipple	A210BP	1/4" Female NPT Coupler		
A2608BP	1/4" Male Nipple	-	-		
LINCOLN STYLE FITT	INGS				
L661BP	1/4" Female Nipple	L815-5BP	1/4" Female NPT Coupler		
L659BP	1/4" Male Nipple	-	-		
INDUSTRIAL MILTON STYLE FITTINGS					
M728BP	1/4" Female Nipple	M715BP*	1/4" Female Coupler		
M727BP*	1/4" Male Nipple	M716BP	1/4" Male Coupler		
TRUFLATE STYLE FITTINGS					
T12135BP	1/4" Female Nipple	T13610-5BP	3/8" Coupler Body Female 1/4" NPT		
Т13135ВР	1/4" Female NPT Coupler Trup - 10-PK.	T13612-5BP	3/8" Coupler Body Female 3/8" NP1		
T13125BP	1/4" Male NPT Coupler				

*M711BP 1/4" COUPLER AND NIPPLE SET Includes: M727BP and M715BP



PRODUCT #	QUANTITY	CONNECTION Type	MATERIAL	
A53457FZ	7-PC. Flexzilla® Pi	o High Flow Coup	ler and Plug Kit	
A53416FZ-X	1	1/4" FNPT	Steel/Aluminum	•
A53426FZ-X	1	1/4" MNPT	Steel/Aluminum	•
A53440FZ-X	2	1/4" MNPT	Nickel Plated Steel	•
A53440FZBS-X	3	1/4" MNTP	Nickel Plated Steel	•



A53000FZK1 60-PC. FLEXZILLA® PRO HIGH FLOW ACCESSORY BIN KIT

- 300 psi Max air pressure
- Bin with six Flip Open Trays

PRODUCT #	QUANTITY	CONNECTION Type	MATERIAL	
A53000FZK1	60-PC. Flexzilla® I	Pro High Flow Acc	essory Bin Kit	
A53416FZ-X	10	1/4" FNPT	Steel/Aluminum	•
A53426FZ-X	10	1/4" MNPT	Steel/Aluminum	•
A53430FZ-X	10	1/4" FNPT	Nickel Plated Steel	•
A53440FZ-X	20	1/4" MNPT	Nickel Plated Steel	•
A53440FZBS-X	10	1/4" MNTP	Nickel Plated Steel	•

T13135BP

M715BP

GREAT TO WORK WITH



AFC90 1/4" FEMALE HI-FLO COUPLER BODY

AFC91

1/4" MALE HI-FLO COUPLER BODY

AFCP91 1/4" MALE HI-FLO COUPLER PLUG

- Great for HVLP paint equipment, and high-volume tools
- Improves air tool performance



AR983 CLICK-TYPE MINI BRASS AIR REGULATOR

• 1/4" Male x 1/4" female NPT



UNIVERSAL SWIVEL ADAPTERS

 Rotates 360° for easy maneuverability

PRODUCT #	SIZE	
AS60B	1/4" NPTM x 1/4" Female Threads	
AS70B	3/8" NPTM x 3/8" Female Threads	



AR981 AIR REGULATOR WITH PRESSURE GAUGE

- 1/4" Female x 1/4" female
- Connect in-line at spray paint gun or any pneumatic tool where exact operating air pressure is required
 Adjust regulator to desired reading;
- Adjust regulator to desired reading gauge is graduated to over 160 PSI

CORDIESS TOOLS 20V MAX* TOOLS

MCD701 (TOOL,ONLY)

12V MAX* 3/8" BRUSHLESS DRILL/DRIVER

MCD701G2

12V MAX' 3/8" BRUSHLESS DRILL/DRIVER KIT

INCLUDES:

- (1) MCD701 12V MAX* 3/8" Drive Brushless Drill/Driver
- (1) MBR124 12V MAX R-Spec[™] 3-Ah Li-Ion Battery
- [1] MCB112 12V-20V MAX* Battery Charger



MCF901 (TOOL ONLY)

12V MAX* 1/4" BRUSHLESS IMPACT WRENCH

MCF901G2

12V MAX* 1/4" BRUSHLESS IMPACT WRENCH KIT

- (1) MCF901 12V MAX* 1/4" Drive Brushless Impact Wrench
- (1) MBR124 12V MAX R-Spec[™] 3-Ah Li-Ion Battery
- (1) MCB112 12V-20V MAX* Battery Charger



MCK314GJ1G1

12V MAX* MAC TOOLS® & DEWALT® 3 TOOL COMBO KIT

INCLUDES:

- [1] DCF903 DEWALT® 3/8" Drive Brushless Impact Wrench
- [1] MCF601 Mac Tools® 1/4" Drive Brushless Screwdriver
- [1] MCL510 Mac Tools® 12V LED Work Light
- [1] DCB126G DEWALT® 12V Max* 5.0AH Battery Pack
- [1] DCB124G DEWALT® 12V Max* 3.0AH Battery Pack
- [1] DCB112 DEWALT® 12/20V Max* Lithium-Ion Battery Charger



MCK412GJ1G1

12V MAX* MAC TOOLS® & DEWALT® 4 TOOL COMBO KIT

INCLUDES:

- [1] DCF903 DEWALT® 3/8" Drive Brushless Impact Wrench
- [1] MCF801 Mac Tools® 12V Max* 1/4" Drive Brushless Impact Driver
- [1] $\mbox{MCD701}$ $\mbox{Mac Tools}^{\mbox{\tiny @}}$ 12V \mbox{Max}^{\star} 3/8" Drive Brushless Drill Driver
- [1] MCL510 Mac Tools® 12V LED Work Light
- [1] DCB126G DEWALT® 12V Max* 5.0AH Battery Pack
- [1] DCB124G DEWALT® 12V Max* 3.0AH Battery Pack
- [1] DCB112 DEWALT® 12/20V Max* Lithium-Ion Battery Charger



DCF901 (TOOL ONLY)

XTREME™ 12V MAX*
BRUSHLESS 1/2" DRIVE
CORDLESS IMPACT WRENCH

DCF901GJ1G1

XTREME™ 12V MAX*
BRUSHLESS 1/2" DRIVE
CORDLESS IMPACT WRENCH KIT



DCF903 (TOOL ONLY)

XTREME™ 12V MAX*
BRUSHLESS 3/8" DRIVE
CORDLESS IMPACT WRENCH

DCF903GJ1G1

XTREME™ 12V MAX*
BRUSHLESS 3/8" DRIVE
CORDLESS IMPACT WRENCH KIT



DEWALT

GUARANTEED TOUGH:

SECTION

9

DEWALT TOOLS





450

FLEXVOLT® POWERED

455

20V MAX* CORDLESS

472

12V MAX* CORDLESS

476

BATTERIES AND CHARGERS

478

RADIOS AND LIGHTS

480

AIR MOVERS

482

CORDED TOOLS

492

ACCESSORIES

DIWALI

DEWALT CONTRACT CONTR

POWER of corded. FREEDOM OF CORDLESS™

With Industry-changing batteries and a lineup of ground-breaking tools, the FLEXVOLT® cordless system has the power to change how work gets done.

The FLEXVOLT® battery's ability to automatically change between two voltages gives users a serious advantage in efficiently completing their tasks. It's the battery that not only powers, but improves the runtime of our DEWALT® 20V MAX* tools, so you don't have to invest in a whole new system. It's the battery that brings the power of corded to a new lineup of 60V MAX* and 120V MAX* DEWALT® tools so you can finally work on a fully cordless jobsite.

DEWALT



FLEXVOLT® POWERED

GRINDER AND SAWS

DCG418B (TOOL ONLY)

DCG418X1

DCG418X2 (KIT W/ TWO BATTERIES)

60V MAX* BRUSHLESS GRINDER POWERED BY FLEXVOLT® KIT

- 13-Amp Equivalent motor as compared to a D28144 corded unit
- Brake engages when trigger is released, stopping speeds of 1.5 seconds with standard grinding wheel [4-1/2" x 1/4"
- Bonded abrasive wheel, non-hubbed)
- Kickback brake and E-Clutch® activates in less than a tenth of a second when a pinch/stall is detected, shutting down the motor
- 9,000 RPM speed allows for up to 6" wheel size for both cutting and grinding applications.



- (1) DCG418 Grinder
- (1) **DCB609** 20V/60V MAX* FLEXVOLT® 9.0Ah/3.0Ah Li-lon Battery
- (1) DCB1106 Fast Charger
- (1) 4-1/2" (115mm) Type 27 Wheel
- (1) 4-1/2" (115mm) Type 27 Guard
- (1) 6" (150mm) Type 27 Guard





DCS389B (TOOL ONLY)

DCS389X1

DCS389X2 (KIT W/ TWO BATTERIES) ...

60V MAX* BRUSHLESS RECIPROCATING SAW POWERED BY FLEXVOLT® KIT

- · Power of corded with the freedom of cordless
- Keyless lever-action blade clamp for easy blade changes
- $\bullet~$ 0 3,000 SPM and a 1-1/8" stroke length for efficient cutting
- · Variable-speed trigger allows user to instantly control speed
- LED light helps to illuminate dark jobsite work areas
- Pivoting shoe provides leverage for different applications

DCS389X2 INCLUDES:

- [1] DCS389 Reciprocating Saw
- (2) DCB609 20V/60V MAX* FLEXVOLT® 9:0Ah/3.0Ah Li-lon Battery
- (1) **DCB118** 20/60V MAX* Fast Charger
- (1) Blade
- (1) Kit Bag

DCSS578B (TOOL ONLY)

DCS578X1

DCS578X2 (KIT W/ TWO BATTERIES)

FLEXVOLT® 60V MAX* BRUSHLESS CIRCULAR SAW POWERED BY FLEXVOLT® KIT

- Depth of cut 2-9/16"
- 60V 7-1/4" Brushless circular saw delivers the power of corded with portability and convenience of cordless
- Brake stops the blade after the trigger is released

DCS578X2 INCLUDES:

- [1] **DCS575** 7-1/4" [184 mm] Circular Saw
- (2) DCB609 20V/60V MAX* FLEXVOLT® 9.0Ah/2.0Ah Li-lon Battery
- [1] DCB118 20/60V MAX* Fast Charger
- [1] DEWALT® 7-1/4" [184mm] Diameter Saw Blade

SAW DEWALT

DEWALT

WARNING: Cancer and Reproductive Harm - p65warnings.ca.gov For more info click-on MACTOOLS.COM/PROP65

mum initial battary voltage (measured without a workload) is 20 and 60

POWER STATION, AND IMPACT KIT



DCB1800B

1,800-WATT PORTABLE POWER STATION AND PARALLEL BATTERY CHARGER

- Not only can the 1,800-watt Portable Power Station[™] power a corded tool remotely, but it also becomes a multi-port parallel charger for up to four DEWALT[®] 20V MAX* Batteries (including FLEXVOLT[®])
- Able to run most corded tools, it provides 1,800-watts (15 amps) continuous power and 3,600 watts peak power
- Runs on four DEWALT® 20V MAX* batteries (including FLEXVOLT®), and for high power applications, four 20V MAX* 3.OAh DEWALT® Batteries (DCB200) or higher amp hour are recommended to provide the best results

DCK2100D1T1

20V MAX* BRUSHLESS 2-TOOL KIT INCLUDING HAMMER DRILL/DRIVER WITH FLEXVOLT® ADVANTAGE™

The **DCK2100D1T1** features our **DCD996** 20V MAX* 1/2" three speed Hammerdrill and **DCF887** 20V MAX* 1/4" three speed Impact Driver. This kit comes with one 60V MAX* FLEXVOLT® Li-lon battery, one 20V MAX* XR® Li-lon compact battery and Fast Charger.

- [1] DCD999 20V MAX* XR® 1/2" Three Speed Hammerdrill
- [1] DCF887 20V MAX* XR® 1/4" Impact Driver
- [1] DCB203 20V MAX* XR® 2.0Ah Li-lon Battery
- (1) DCB606 20V/60V MAX* FLEXVOLT® 6.0Ah/2.0Ah Li-lon Battery
- (1) DCB1106 Fast Charger
- (1) 360° Side Handle
- (1) Kit Bag





FLEXVOLT® POWERED MADE IN THE **** COMPRESSOR AND AREA LIGHT



This tool has been **PROUDLY MADE IN THE USA** with global components.



DCC2520T1

20V MAX* 2.5 GAL CORDLESS AIR COMPRESSOR POWERED BY FLEXVOLT® KIT

XXXXX

DCL079R1

STACKABLE CORDED/CORDLESS LED AREA LIGHT WITH TOOL CONNECT™ AND BUILT-IN CHARGER KIT

- LAST SEEN feature helps reduce wasted time and money by providing the street address of where the light was last in range of your Tool Connect™ enabled device
- Remotely turn light on/off and program light with scheduled times using Tool Connect™ app
- 7.000 lumen output
- Once you've downloaded the Tool Connect[™] app, easily pair with the app by holding down the pair button for 3-5 seconds
- Compatible with any 20V MAX* or FLEXVOLT® battery
- AC outlets provides flexibility and convenience to daisy chain lights or power for corded tool
- · On-board charger with door lock option for security Instant on/off with no warm-up, dimming as low as 500 lumens

INCLUDES:

- (1) DCL070 Area Light
- [1] DCB606 FLEXVOLT® Battery
- (1) Charger



DCL074 (TOOL ONLY)

TOOL CONNECT™ 20V MAX* ALL-PURPOSE CORDLESS WORK LIGHT

- · LED provides natural white light for jobsite illumination
- · Set up with freestanding, tripod-mounted (sold separately), or hanging via hook
- · Durable impact-resistant design stands up to jobsite conditions
- IP-54 rating for weather and dust resistance





DCK695P2

20V MAX* XR® BRUSHLESS 6-TOOL COMBO KIT

- DEWALT® built high power, high efficiency brushless motor that delivers up to 75% more runtime vs. 18v NiCad brushed motors
- A heavy-duty 1/2" ratcheting nitro-carburized metal chuck with carbide inserts for superior bit gripping strength



INCLUDES:

- (1) **DCD996B** 20V MAX* XR® Brushless Li-lon Three Speed Hammerdrill
- (1) DCF887B 20V MAX* XR® 1/4" Three Speed Impact Driver
- (1) DCS570 20V MAX* 7-1/4" Cordeless Circular Saw
- [1] DCLO40 20V MAX* LED Work Light
- [1] **DCG413** 20V MAX* XR® 5in. Angle Grinder with Kickback Brake
- (1) DCS367B 20V MAX* XR® Brushless Compact Reciprocating Saw
- (2) DCB205 20V MAX* Premium XR® 5.0Ah Li-lon Battery Pack
- (1) DCB115-BOX 12V MAX* 20V MAX* Li-lon Battery Charger
- (1) Kit Bag

DCK592L2

20V MAX* 5-TOOL COMBO KIT

- DCD985 20V MAX* hammerdrill with three speed all-metal transmission and 1/2" all metal ratcheting chuck delivers 535 MWO performance, faster application speed, and superior bit retention
- DCS380 20V MAX* reciprocating saw with 4-Position keyless blade clamp that allows for quick blade change without touching blade or reciprocating shaft
- DCF885 20V MAX* 1/4" impact driver features three LED lights with 20-second delay to provide visibility without shadows
- DCS391 20V MAX* circular saw with lightweight magnesium shoe and 6-1/2" carbide blade can cut 2x4's at a 45°; angle in a single pass
- DCL040 20V MAX* LED work light delivers 110 lumens of light output



- (1) DCD985 1/2" Hammer Drill
- [1] DCS380 Reciprocating Saw
- [1] DCS391 6-1/2" Circular Saw
- (1) DCF885 1/4" Impact Driver
- (1) DCLO40 LED Work Light
- (2) 20V MAX* Li-lon 3.0Ah Battery Packs
- (1) Charger
- (1) 360° Side Handle
- (1) Belt Hook

DCK594P2

20V MAX* XR® BRUSHLESS 5-TOOL COMBO KIT

- DCD996B has a DEWALT® built high power, high efficiency brushless motor that delivers up to 75% more runtime vs. 18v NiCad brushed motors. A heavy-duty 1/2" ratcheting nitro-carburized metal chuck with carbide inserts for superior bit gripping strength
- DCF887B has a DEWALT® built brushless motor for longer run time
- DCS570 uses a 7-1/4" Blade to provide 2-9/16" Cutting Capacity at 90°. Has runtime to complete 330 crosscuts in 2x4 (pine)
- DCS367B has a Variable-speed trigger with 0-2900 SPM
- DCL040 20V MAX* LED work light delivers 110 lumens of light output



- [1] DCD996B Hammerdrill
- [1] DCF887B Impact Driver
- [1] DCS570 Circular Saw
- [1] DCLO40 Work Light
- [1] DCS367B Reciprocating Saw
- (2) DCB205 20V MAX* Premium XR® 5.0Ah Li-lon Battery Pack
- (1) DCB115-BOX 12V MAX* 20V MAX* Li-lon Battery Charger
- (1) Kit Bag











DCK489D2

20V MAX* 4-TOOL COMBO KIT

- DCD985 20V MAX* hammerdrill with three speed all-metal transmission and 1/2" all-metal ratcheting chuck delivers 535 MWO performance, faster application speed, and superior bit retention
- DCS381 20V MAX* reciprocating saw with keyless blade clamp allows for quick blade change without touching blade or reciprocating shaft
- DCF885 20V MAX* 1/4" impact driver features three LED lights with 20-second delay to provide visibility without shadows
- DCL040 20V MAX* LED worklight delivers 110 lumens of light output

- (1) DCD985 1/2" Hammerdrill [1] DCS381 Reciprocating Saw
- (1) DCF885 1/4" Impact Driver
- (1) DCLO40 LED Worklight
- (2) 20V MAX* Li-lon 3.0Ah Battery Packs
- (1) Charger
- (1) 360° Side Handle
- (1) Belt Hook
- (1) Kit Bag



DCK487D1M1

20V MAX* XR® BRUSHLESS 4-TOOL COMBO KIT

- DCD791 and DCF887 both have a DEWALT® built brushless motor which delivers up to 75% more run time
- DCD791 has 3-Mode LED lights with a spotlight mode
- DCF887 has three speed settings for versatility with Precision Drive™ for added control
- DCS367 has a Variable-speed trigger with 0-2900 SPM
- DCL040 is a bright flashlight to illuminate your work area with LED output of 110 lumens

- [1] DCD791B Compact Drill/Driver
- (1) DCF887B 1/4" Impact Driver
- (1) DCS367 Compact Reciprocating Saw
- (1) DCLO40 Work Light
- (2) DCB203 Lithium Ion Battery Pack
- (1) Fast Charger
- (1) Kit Bag





DCK397HM2

20V MAX* 3-TOOL COMBO KIT

- DCF899H 20V MAX* XR® Brushless HIGH-TORQUE Impact Wrench with Hog Ring Anvil delivers up to 700 ft-lbs. of max torque and 1,200 ft-lbs. of max breakaway torque
- DCF899H 20V MAX* XR® Brushless HIGH-TORQUE Impact Wrench with Hog Ring Anvil provides Multi-speed control for a variety of applications (0-400 / 1,200 / 1,900 RPM)
- DCGG571 20V MAX* Li-lon Grease Gun Powerful motor delivers 10,000 max psi to power through clogged grease fittings
- DCGG571 20V MAX* Li-lon Grease Gun High-volume pump pushes up to 5.0 oz/min high-flow applications
- (1) **DCF899H** Impact Wrench with Hog Ring
- (1) DCGG571 Grease Gun
- (1) **DCLO43** Jobsite LED Spotlight
- (2) DCB204 20V MAX* Li-lon 4AH Battery Packs
- (1) Charger
- (1) Kit Bag



DCK398HM2

20V MAX* 3-TOOL COMBO KIT

- DCF899 20V MAX* XR Brushless High Torque Impact Wrench with Hog Ring Anvil delivers up to 700 ft-lbs of max torque and 1,200 ft-lbs of max breakaway torque
- DCF899 20V MAX* XR Brushless High Torque Impact Wrench with Hog Ring Anvil provides Multi-speed control for a variety of applications (0-400 / 1,200 / 1,900 RPM)
- DCF883 20V MAX* Lithium Ion 3/8" Impact Wrench provides three (3) LED lights with 20 second delay after trigger release for better visibility without shadows
- DCF883 20V MAX* Lithium Ion 3/8" Impact Wrench has compact (5.70" front to back), lightweight (3.4 lbs) design to fit into tight areas

- (1) DCF899H Impact
 Wrench with Hog Ring
- (1) DCF883 3/8" Impact Wrench with Hog Ring
- (1) DCL050 20V Max LED Area Work Light
- (2) DCB204 20V MAX* Li-lon 4AH Battery Packs
- (1) Charger
- (1) Kit Bag



DCK287D2

20V MAX* XR® COMPACT HAMMER DRILL AND IMPACT DRIVER COMBO KIT

- DCD796 20V MAX* 1/2" Hammerdrill compact (7.5" front to back), lightweight (3.6 lbs.) design fits into tight areas
- DCF887 20V MAX* 1/4" Impact driver compact (5.3" front to back) design fits into tight areas
- DCD796 Features three LED lights with with 20-minute trigger release delay in Spotlight Mode providing increased visibility in dark or confined spaces
- DCF887 Features three LED lights imbedded in front of tool with 20-second trigger release delay providing increased visibility in dark or confined spaces

INCLUDES:

- (1) **DCD796** 1/2" Hammerdrill
- [1] DCF887 1/4" Impact Driver
- [2] DCB203 20V MAX* XR® 2.0Ah Li-Ion Battery
- (1) Charger
- (2) Belt Hooks
- (1) Kit Bag



DCK287D1M1

20V MAX* XR® BRUSHLESS HAMMER DRILL AND IMPACT DRIVER COMBO KIT

- DCD985 20V MAX* hammerdrill with three speed all-metal transmission and 1/2" all metal ratcheting chuck delivers 535 Max Watts Out (MWO) performance, faster application speed, and superior bit retention
- DCF885 20V MAX* 1/4" impact driver features three LED lights with 20-second delay to provide visibility without shadows

INCLUDES:

- (1) DCD985 1/2" Hammerdrill
- (1) DCF885 1/4" Impact Driver
- (2) 20V MAX* Li-lon 3.0Ah Battery Packs
- (1) Charger
- (1) 360° Side Handle
- (1) Belt Hook
- (1) Kit Bag



20V MAX* XR® BRUSHLESS DRILL/DRIVER AND IMPACT DRIVER COMBO KIT

- DCD791 20V MAX* 1/2" Drill/driver compact (6.9" front to back), lightweight (3.4 lb) design fits into tight areas
- DCF887 20V MAX* 1/4" Impact driver compact (5.3" front to back) design fits into tight areas
- Both tools feature LED lights with 20-second trigger release delay providing increased visibility in dark or confined spaces
- DCD791 Features three LED lights with 20-minute trigger release delay in Spotlight Mode providing increased visibility in dark or confined spaces

- [1] DCD791 1/2" Drill/Driver
- (1) DCF887 1/4" Impact Driver
- (2) 20V MAX* XR® Compact Li-lon 2.0Ah Battery Packs
- (1) DCB112 Charger
- (2) Belt Hooks
- (1) Bit Holder
- (1) Kit Bag

460





DCK294P2

20V MAX* XR® BRUSHLESS HAMMER DRILL AND RECIPROCATING SAW COMBO KIT

- DCD996 Has a DEWALT® built brushless motor which delivers up to 75% more run time and a 3-Mode LED lights with a spotlight mode
- DCS367 Has a Variable-speed trigger with 0-2900 SPM

INCLUDES:

- (1) DCD996 Hammerdrill
- [1] DCS367 Compact Reciprocating Saw
- (1) Charger

- (2) Belt Hooks
- (1) Bit Holder
- (1) Kit Bag



This tool has been PROUDLY MADE IN THE USA with global components.



20V N/AX* CORDLESS 3/4 AND 1/2" IMPACT WRENCHES



DCF897P2

20V MAX* XR® BRUSHLESS HIGH-TORQUE 3/4" IMPACT WRENCH W. HOG RING/RETENTION PIN ANVIL

- Up to 700 ft-lbs. of max torque and 1,200 ft-lbs. of max breakaway torque
- Compact design of 8-13/16" in length and weighs only 7.2 lbs.
- Multi-speed control for a variety of applications (0-400/ 1,200/ 1,900 RPM) 3/4" hog ring with retention pin anvil
- LED light with 20 second delay for increased visibility

INCLUDES:

- [1] DCF897 3/4" Impact Wrench with Hog Ring Anvil
- (2) **DCB205** 5.0Ah Batteries
- (1) Multi Voltage Charger



DCF899P2 (NOT SHOWN)

20V MAX* XR® BRUSHLESS HIGH-TORQUE 1/2" IMPACT WRENCH WITH DETENT PIN

DCF899HP2

20V MAX* XR® BRUSHLESS HIGH-TORQUE 1/2" IMPACT WRENCH WITH HOG-RING ANVIL

- Up to 700 ft-lbs. of max torque and 1,200 ft-lbs. of max breakaway torque
- Compact design of 8-13/16" in length and weights only 7.2 lbs.
- Multi-speed control for a variety of applications [0-400/1200/1900 RPM]
- 1/2" hog ring anvil
- LED light with 20-second delay for increased visibility

INCLUDES:

- [1] **DF899** 1/2" Impact Wrench
- (2) 20V MAX* XR® Li-lon 5.0Ah Battery Packs
- (1) Charger
- (1) Kit Bag



DCF889HM2

20V MAX* XR® 1/2" IMPACT WRENCH WITH HOG-RING ANVIL

- Hog-ring anvil to quickly and easily change sockets
- Performs a wide range of heavy-duty fastening applications
- XR® Li-lon batteries with fuel gauge provide 33% more capacity over standard packs
- Variable-speed trigger with electric brake provides user improved control
- LED light provides user greater visibility when working in dark environments
- Tough magnesium gear case and all-metal transmission for extended durability
- Maxiumum Torque 400 ft-lbs.

- (1) **DCF889H** 1/2" Impact Wrench
- (2) 20V MAX * XR® Premium Li-lon 4.0Ah Battery Packs
- (1) Charger
- (1) Kit Bag

1/2 AND 3/8" IMPACT WRENCHES





DCF883M2

20V MAX* 3/8" IMPACT WRENCH WITH HOG RING KIT

DCF883B (TOOL ONLY)

20V MAX* 3/8" IMPACT WRENCH WITH HOG RING

- Compact, lightweight design fits into tight areas
- XR® Li-lon batteries with fuel gauge provide 33% more capacity over standard packs
- Three speed settings for optimized application versatility
- Three LED lights with 20-second delay after trigger release provide visibility without shadows
- · Hog-ring anvil to easily change sockets
- Textured anti-slip comfort grip provides maximum comfort and control
- Tool length: 5.7" Tool weight: 3.4 lbs.
- Speed: 3,250 RPM

INCLUDES:

- [1] DCF883 3/8" Impact Wrench
- [2] 20V MAX* XR® Li-Ion 4.0Ah Battery Packs
- [1] Charger
- [1] Kit Bag

DCF880M2 (NOT SHOWN)

20V MAX* 1/2" IMPACT WRENCH WITH DETENT PIN

DCF880HM2

20V MAX* 1/2" IMPACT WRENCH WITH HOG RING KIT

- Compact (5.70" front to back), lightweight (3.4 lbs.) design fits into tight areas
- 3-LED lights with 20-second delay after trigger release, provide visibility without shadows
- XR® Li-lon batteries with fuel gauge provide 33% more capacity over standard packs
- Textured, anti-slip comfort grip provides maximum comfort and control

INCLUDES:

(2) DCB204 20V MAX* XR® Premium (1) Fast Charger Li-lon Batteries (4:0Ah) (1) Kit Bag



DCF894HP2

20V MAX* XR® BRUSHLESS 1/2" MID-RANGE CORDLESS IMPACT WRENCH KIT WITH HOG RING ANVIL (5.0AH)

DCF894HB (TOOL ONLY)

20V MAX* XR® BRUSHLESS 1/2" MID-RANGE CORDLESS IMPACT WRENCH

- Up to 330 ft-lbs max of fastening torque at only 3.48lbs
- Precision Wrench™ Control In forward, the tool will pause before impacting to help prevent overtightening. In reverse, the tool lowers speed when fastener is loose to help prevent run-off.
- 3 mode settings to complete a variety of applications
- DEWALT® brushless motor for increased efficiency and runtime vs. brushed model
- Variable speed trigger helps to provide speed control
- LED light to help illuminate dimly lit areas
- Compact and lightweight design for comfort when working in tight spaces

- [1] DCF894 1/2" Mid-Range Impact Wrench with Hog Ring Anvil
- [2] DCB205 20V MAX* XR® Li-lon 5.0Ah Battery Packs
- (1) Charger
- (1) Kit Box



20V MAX* CORDLESS 20V MAX* DRILLS AND DRIVERS

RUSHLES MOTOR



DCF887D2

20V MAX* XR® BRUSHLESS 1/4" IMPACT DRIVER KIT

DCF887B (TOOL ONLY)

20V MAX* XR® BRUSHLESS 1/4" IMPACT DRIVER

- · Three speed settings for optimized application versatility
- · Compact, lightweight design fits into tight areas
- Three LED lights with 20-second delay after trigger release provide visibility without shadows
- One-handed loading 1/4" hex chuck accepts 1" bit tips
- Tool length: 5.3" Tool weight: 3.4 lbs.
- Speed: 3,250 RPM

INCLUDES:

- [1] DCF887 1/4" Impact Driver [2] 20V MAX* XR® Compact Li-lon 2.0Ah Battery Packs
- (1) Charger
- (1) Belt Hook

RUSHLES MOTOR

[1] Kit Box



DCF809D1

20V MAX* 1/4" IMPACT **DRIVER KIT (4.0AH)**

- Compact (5.55" front to back), lightweight (3.4 lbs.) design fits into tight areas
- Three LED lights with 20-second delay after trigger release, provide visibility without shadows

INCLUDES:

- [1] DCF885 1/4": Impact Driver
- (1) Charger
- (1) Belt Hook
- [2] DCB204 20V MAX* XR® Li-lon 4.0Ah **Battery Packs**
- [1] Kit Box



DCF887M2

20V MAX* XR® BRUSHLESS 1/4" IMPACT DRIVER KIT

- Tool length: 5.3"
- · Tool weight: 3.4 lbs.

- (1) DCF887 Impact Driver
- (2) 20V MAX* XR®
 - 4.0Ah Battery Packs
- (1) Charger
- (1) Kit Box



MOTOR



DCD996P2

20V MAX* XR® BRUSHLESS 3-SPEED 1/2" HAMMER DRILL KIT

- Heavy-duty 1/2" ratcheting nitro-carburized metal chuck with carbide inserts for superior bit gripping strength
- 3-Mode LED provides lighting in dark or confined spaces up to 20X brighter than previous model
- LED Spotlight Mode features 20 minute shutoff function allowing for extended work time in dark or confined spaces
- 3-speed, all-metal high performance transmission optimizes tool-to-task for fast application speeds and improved run-time

INCLUDES:

- (1) DCD996 20V MAX* XR® Brushless Premium
 - 3-Speed Hammerdrill
- (2) 20V MAX* XR® High Capacity Li-lon Batteries (5.0Ah)
- (1) Charge
- (1) Belt Hook
- (1) 360° Side Handle
- (1) Kit Box



DCD796D2

20V MAX* XR® BRUSHLESS COMPACT HAMMER DRILL KIT

DCD796B (TOOL ONLY)

20V MAX* XR® BRUSHLESS COMPACT HAMMER DRILL

- High-speed transmission delivers 2 speeds (0-550 and 0-2,000 RPM) for a range of fastening and drilling applications
- Metal 1/2" ratcheting chuck provides superior bit gripping strength
- 3-Mode LED provides lighting in dark or confined spaces up to 20 times brighter than previous model
- LED Spotlight Mode features 20-minute shutoff function allowing for extended work time in dark or confined spaces

INCLUDES:

- [1] DCD796B 1/2" Hammerdrill
- [2] 20V MAX* XR® Compact Li-lon Batteries (2.0Ah)
- (1) Charger (1) Belt Hook
- (1) Kit Box



DCD791P1

20V MAX* XR® COMPACT **HAMMERDRILL KIT (1.5AH)**

- · Compact, lightweight design fits into tight areas
- High-speed transmission delivers 2 speeds (0-600 and 0-2,000 RPM) for a range of fastening and drilling applications
- · Ergonomic handle delivers comfort and control
- 1/2" ratcheting chuck provides superior bit gripping strength

- (1) DCD785 Hammer Drill
- (2) 20V MAX* Li-lon battery packs
- (1) Charger
- (1) Belt Hook
- (1) Kit Bag

20V N/AX GORDUESS 20V MAX* DRILL / DRIVERS



DCD708C2

20V MAX* DRILL/DRIVER KIT

DCD708B (TOOL ONLY)

20V MAX* DRILL/DRIVER

- · Compact, lightweight design fits into tight areas
- High-speed transmission delivers two speeds (0-600 and 0-2,000 RPM) for a range of fastening and drilling applications
- Ergonomic handle delivers comfort and control
- 1/2" Ratcheting chuck provides superior bit gripping strength

INCLUDES:

- (1) DCD708B 1/2" Drill Driver
- [2] 20V MAX* Li-lon battery packs
- (1) Charger
- (1) Belt Hook
- (1) Kit Bag



DCD709C2

20V MAX* COMPACT DRILL/DRIVER KIT (1.5 AH)

DCD709B (TOOL ONLY)

20V MAX* COMPACT DRILL/DRIVER

- Compact, lightweight design fits into tight areas
- High-speed transmission delivers two speeds (0-600 and 0-2,000 RPM) for a range of fastening and drilling applications
- Ergonomic handle delivers comfort and control
- 1/2" Ratcheting chuck provides superior bit gripping strength

INCLUDES:

- [1] DCD709B 1/2" Drill Driver
- [2] 20V MAX* Li-lon battery packs
- (1) Charger
- (1) Belt Hook
- (1) Kit Bag



DCD740C1

20V MAX* 3/8" RIGHT ANGLE DRILL/DRIVER KIT

DCD740B (TOOL ONLY)

20V MAX* 3/8" RIGHT ANGLE DRILL/DRIVER BODY

- Dual speed ranges (0-650/0-2000) RPM for increased user flexibility providing a wide range of applications
- Compact front to back length (4.0")
 allowing users to fit into hard to reach spaces
- 3/8" Ratcheting chuck with deep hex pocket allows 2" (50 mm) hex bit to be fully inserted for getting into tight spaces.

- [1] DCD740 3/8" Right Angle Drill/Driver
- [1] 20V MAX* Compact Li-lon 1.5 Ah Battery Pack
- (1) Charger
- (1) Belt Hook
- (1) Kit Box





DCD791D2

20V MAX* XR® BRUSHLESS COMPACT DRILL/DRIVER KIT

DCD791B (TOOL ONLY)

20V MAX* XR® BRUSHLESS COMPACT DRILL/DRIVER

- DEWALT® brushless motor delivers up to 57% more run time over brushed
- XR® Li-lon batteries with fuel gauge provide 33% more capacity over standard packs
- · Compact, lightweight design fits into tight areas
- High speed transmission delivers two speed settings improving speed and torque control across a range of fastening and drilling applications
- Ergonomic comfort grip handle provides ideal balance and tool control
- Metal 1/2" ratcheting chuck for superior bit gripping strength
- · LED light with spot light mode
- LED placement on tool foot eliminates chuck shadows

INCLUDES:

- (1) DCD791 1/2" Drill/Diver
- [2] 20V MAX* XR® Li-lon 2.0Ah Battery Packs
- (1) Charger
- (1) Kit Box



DCD991P2

20V MAX* XR® BRUSHLESS DRILL/DRIVER KIT

DCD991B (TOOL ONLY)

20V MAX* XR® BRUSHLESS DRILL/DRIVER

- Three speed, all-metal high performance transmission optimizes tool-to-task for fast application speeds and improved run-time
- Heavy-duty 1/2" ratcheting nitro-carburized metal chuck with carbide inserts for superior bit gripping strength
- 3-Mode LED provides lighting in dark or confined spaces up to 20x brighter than previous model
- LED Spotlight Mode features 20 minute shutoff function allowing for extended work time in dark or confined spaces

- (1) DCD991B 1/2" Drill/Driver
- (2) 20V MAX* XR® High Capacity Li-lon Batteries (5.0Ah)
- (1) Fast Charger
- (1) Belt Hook
- (1) 360° Side Handle
- (1) Kit Box



20V MAX* CORDLESS JIG AND BAND SAWS

DCS334P1

20V MAX* JIG SAW KIT

INCLUDES:

- [1] DCS334B 20V MAX* XR Jig Saw [1] Charger
- (1) 20V MAX* XR® Li-lon 5.0Ah Battery Pack
- (1) Jig Saw Blade
- (1) Kit Box

DCS334B (TOOL ONLY)

20V MAX* JIG SAW

- All-metal lever-action keyless blade change allows for quick and easy blade replacement
- All-metal keyless shoe bevel with detents at 0°, 15°, 30°, and 45° provides versatility for easy bevel cutting
- · 4-Position orbital action provides control of cut quality and speed
- · Adjustable dust blower keeps line of cut clear of chips
- Variable-speed for versatility in a multitude of materials and applications
- Anti-slip comfort grip for increased comfort and control
- Accepts T-shank jig saw blades for professional results
- Strokes per minute: 0 3000





DCS371P1

20V MAX* BAND SAW KIT

DCS371B (TOOL ONLY)

20V MAX* BAND SAW

- Centered handle position provides superior balance and ergonomics and allows for more accurate cuts and less user fatigue
- LED work light with 20-second delay illuminates dark work surfaces for accurate cutting
- Integrated hang hook allows user to hang the saw without damaging the front handle or base
- Blade tracking adjustment increases blade life by providing better blade tracking
- Tool-less blade changing lever loosens blade tension to allow for blade replacement
- Dual-bearing blade guide rollers provide increased durability in the blade support system
- · Ergonomic soft-grip back handle provides comfort and flexibility

- (1) DCS371B Band Saw
- [1] 20V MAX* XR® Li-lon 5.0Ah Battery Packs
- (1) 14/18 TPI Blade
- (1) Charger
- (1) Blade Tracking Wrench
- (1) Kit Bag

CIRCULAR SAWS

DCS373P2

20V MAX* METAL CUTTING CIRCULAR SAW KIT

DCS373B (TOOL ONLY)

20V MAX* METAL CUTTING CIRCULAR SAW

- Powerful 460 MWO 3,700 RPM motor delivers power and speed to make the most demanding cuts with ease
- 5-1/2" 30T carbide tipped metal cutting blade quickly and cleanly cuts a variety of metallic construction materials
- Bright LED Light with 20-second delay after trigger release provides enhanced visibility of material and cut line.
- SIGHT-LINE™ Window provides for a clear view of the material
- High strength steel shoe offers durability and resistance against chip build up
- Optimized rubber overmolded comfort grip delivers optimal balance and control

INCLUDES:

- [1] DCS373B Circular Saw
- (2) 20V MAX* XR® Li-lon 5.0Ah Battery Packs
- (1) Charger
- [1] 5-1/2" Carbide-Tipped Metal Cutting Blade
- [1] Kit Box





DCS565B (TOOL ONLY)

20V MAX* CIRCULAR SAW

DCS565P1

20V MAX* 6-1/2" BRUSHLESS CORDLESS CIRCULAR SAW KIT

INCLUDES:

- [1] DCS565 20V MAX* Brushless Cordless 6-1/2". Circular Saw
- [1] 20V MAX* Li-lon 5.0Ah Battery Packs
- (1) Charger
- (1) Kit Bag

DCS391B (TOOL ONLY)

20V MAX* CIRCULAR SAW

- High strength and lightweight magnesium shoe provides durability for long-term cut accuracy
- 0°-50°; Bevel capacity allows for aggressive bevel cuts for a multitude of applications
- 6-1/2" Carbide tipped blade for cutting 2x4 material at 90° and 45° and more cuts per charge

20V MAX* CORDLESS CUTOFF AND OSCILLATING TOOLS



DCS380P1

20V MAX* RECIPROCATING SAW KIT

DCS380B (TOOL ONLY)

20V MAX* RECIPROCATING SAW

- 4-Position blade clamp allows for flush-cutting and increased positional versatility with tool-free blade changes
- 1-1/8" Stroke length delivers a fast cutting speed
- · Variable-speed trigger provides increased blade control and faster cut speeds
- Pivoting adjustable shoe extends blade life and allows depth of cut control
- Rubber over-molded comfort grip delivers optimal comfort and control
- Double oil-sealed shaft resists contamination and increases durability
- Strokes per minute; 0 3000

INCLUDES:

- (1) DCS380 Reciprocating Saw
- [1] 20V MAX* XR® Li-lon 5.0Ah Battery Pack
- (1) Charger
- (1) Kit Box

DCS356D1

20V MAX* XR® **OSCILLATING MULTI-TOOL KIT**

DCS356B (TOOL ONLY)

20V MAX* XR® OSCILLATING MULTI-TOOL

- QUICK-CHANGE™ Accessory System allows blades and attachments to be changed quickly without wrenches
- DUAL-GRIP™ Variable-speed Trigger gives users ultimate speed and application control
- · Bright LED light illuminates work surfaces for accurate cutting
- DEWALT® Oscillating Tool Guide System allows users to set the depth or height for a series of cuts
- 28-PC. DEWALT® accessory kit includes popular cutting and sanding attachments
- · Universal Accessory Adaptor for use with most oscillating tool accessory brands

- [1] DCS356B 20V MAX* XR® Oscillating Multi-Tool
- [1] 20V MAX* XR® Compact Li-lon 2.0Ah.Battery Packs
- (1) Charger
- (1) DEWALT® Oscillating Tool Guide System
- (1) Wood with Nails Blade



DCS367P1

20V MAX* XR® BRUSHLESS COMPACT RECIPROCATING SAW KIT

DCS367B (TOOL ONLY)

20V MAX* XR® BRUSHLESS COMPACT RECIPROCATING SAW

- Up to 2.5x more runtime*
- Compact 14.5" length fits in between studs and in other tight spots
- Only 5-lbs. in weight (tool only)
- Keyless 4-Position Blade Clamp for quick and easy blade changes and cutting versatility
- 1-1/8" stroke length
- Variable-speed trigger delivers up to 2,900 SPM
- · Bright LED light to illuminate dark work areas

- [1] DCS367 20V MAX* XR® Brushless Compact Reciprocating Saw
- (1) DCB205 XR® Li-lon Battery (5.0 Ah)
- (1) DCB115-BOX Charger
- (1) Kit Bag



- (1) Sanding Pad
- (25) Sheets of Sanding Paper
- (1) Multi-Brand Accessory Adapter
- (1) Kit Baa
- (1) Accessory Storage Box



GRINDERS AND GREASE GUN



DCG412P2

20V MAX* 4-1/2"/5" ANGLE GRINDER TOOL KIT

DCG412B (TOOL ONLY)

20V MAX* 4-1/2"/5" ANGLE GRINDER TOOL

- 8,000 RPM Motor provides high-power for cutting and grinding applications
- Quick-Change[™] Wheel Release allows for tool-free wheel changes without the need for a wrench
- Tool-free guard allows for quick, easy guard adjustments/positioning
- Two-finger trigger switch (with lock-off button) allows for convenient activation and easier gripping
- Two-Position side handle offers greater control, comfort, and versatility

INCLUDES:

- (1) DCG412B Grinder
- (2) 20V MAX* XR® Li-lon 5.0Ah Battery Packs
- (1) Charger
- [1] Spanner Wrench
- [1] 5" $[125 \, \text{mm}]$ Type 27 Guard
- (1) 2-Position Side Handle
- (1) Kit Bag



DCG413R2

20V MAX* XR® BRUSHLESS 4-1/2" SMALL ANGLE GRINDER KIT

DCG416B (TOOL ONLY)

20V MAX* XR® 4.5 IN. PADDLE SWITCH SMALL ANGLE GRINDER

- Brushless motor requires no brush changes
- · Brake stops wheel in two seconds or less on average
- Kickback Brake engages when a pinch, stall, or bind-up event is sensed and the electronic brake engages with maximum force to quickly stop the wheel, reduce the movement of the grinder and shut the grinder off
- Features E-Switch Protection[™] when the on/off trigger switch
 has a no-volt release function. In the event of a power outage or
 other unexpected shut down, the trigger switch will need to be
 cycled (turned off and then on) to restart tool
- Two stage trigger requires two actions to activate tool

INCLUDES:

- (1) DCG416B Grinder
- [2] 20V MAX* Premium XR® Li-lon 6.0Ah Battery Packs
- (1) Charger

- (1) Hex Key
- (1) 4.5" Type 27 Guard
- (1) 2-Position Side Handle
- (1) Kit Bag



DCGG571M1 20V MAX* GREASE GUN KIT

DCGG571B (TOOL ONLY)

20V MAX* GREASE GUN

- Powerful motor delivers 10,000 max psi to power through clogged grease fittings
- High-volume pump pushes up to 5.0 oz/min high-flow applications
- Up to 16 cartridges per charge with a single 20V MAX* Battery (4.0Ah)
- 42" Extra-long and flexible hose designed for reaching hard to access grease fittings
- Pump filter screen prevents dirt and contamination from clogging the pump mechanism

- [1] DCGG571B 20V MAX* Grease Gun [Bare]
- [1] 20V MAX* XR® Li-lon 4.0Ah Battery Packs
- (1) Charger
- [1] Kit Box

12V MAX* SYSTEMS COMBO KITS



This tool has been **EXCLUSIVELY CREATED** for Mac Tools







DCK331F3

12V MAX* 3-TOOL KIT -**MAC TOOLS EXCLUSIVE**

- DCF610B 12V MAX* Screwdriver features 1/4" one-hand loading hex chuck
- DCF813 12V MAX* Impact Wrench has 1,150 In-lbs. of torque

INCLUDES:

- [1] **DCF610B** 1/4" Screwdriver
- (1) DCF813B Impact Wrench
- [1] DCL510 Worklight
- [3] DCB120 12V MAX* Li-lon Battery Packs
- [1] DW2169 38-PC. Accessory Kit
- (1) Charger
- (2) Bit Tips
- (1) Belt Hook
- (1) Kit Bag

DCK413S2

12V MAX* 4-TOOL COMBO KIT

- DCD701B 12V MAX* 3/8" Drill/Driver features two speed transmission (0-400 / 0-1500)
- DCS312B 12V MAX* Pivot Reciprocating Saw utilizes 3-position pivot handle for making difficult cuts in confined spaces
- DCF815B 12V MAX* 1/4" Impact Driver features three LED lights to provide visibility without shadows
- DCL510 LED Worklight delivers 130 lumens and hands-free usage
- · Ship Weight: 11.5 lbs.

- [2] DCB120 12V MAX* Li-Ion Battery Packs
- (1) 4" 6 Tpi Wood Cutting Reciprocating Blade
- (1) 4" 18 Tpi Metal Cutting Reciprocating Blade
- (1) Charger
- (1) Bit Tip
- (2) Belt Hooks
- (1) Kit Bag





12V MAX* CORDLESS SCREWDRIVER/ **IMPACT DRIVER COMBO KIT**

- DCF610B 12V MAX* Screwdriver features 1/4" one-hand loading hex chuck
- DCF815B 12V MAX* 1/4" Impact Driver features three LED lights to provide visibility without shadows

INCLUDES:

- (1) **DCF610B** 1/4" Screwdriver
- (1) DCF815B 1/4" Impact Driver
- (2) DCB120 12V MAX* Li-lon Battery Packs
- (1) Charger
- (2) Bit Tips
- (2) Belt Hooks
- (1) Kit Bag



DCK21152

12V MAX* DRILL/DRIVER AND IMPACT DRIVER COMBO KIT

- DCD710 12V MAX* 3/8" Drill/Driver features two speed transmission [0-400 / 0-1500]
- DCF815B 12V MAX* 1/4" Impact Driver features three LED lights to provide visibility without shadows

INCLUDES:

- (1) DCD701B 3/8" Drill/Driver
- (1) DCF815B 1/4" Impact Driver
- (2) DCB120 12V MAX* Li-Ion Battery Packs
- (1) Charger
- (1) Bit Tip
- (2) Belt Hooks
- (1) Kit Bag

DCKSS200F2

XTREME 12V MAX* CORDLESS 2-TOOL COMBO KIT WITH PROFESSIONAL TOOL **BACKPACK**

- DCD710 2V MAX* 3/8" Cordless Drill/Driver:
- DCS312 12V MAX* Cordless Reciprocating Saw

- [1] DCD710 2V MAX* 3/8" Cordless Drill/Driver
- [1] DCS312 12V MAX* Cordless Reciprocating Saw
- (2) DCB122 12V MAX* Li-lon 2.0Ah Battery Packs
- (1) DCB122 Charger
- (1) Professional Tool Backpack



12V N/4X* SYSTEMS IMPACT WRENCH AND DRIVER KITS



DCF813S2

12V MAX* 3/8" IMPACT WRENCH KIT

- · Compact, lightweight design fits into tight areas
- Three LED lights provide visibility without shadows
- 3/8" Hog-ring anvil; for fast socket changes
- 1,150 In-lbs. Torque; power for tightening and loosening

INCLUDES:

- (1) DCF813B 3/8" Impact Wrench
- [2] DCB120 12V MAX* Li-lon Battery Packs
- (1) Charger
- (1) Kit Bag



DCF801F2

12V MAX* 1/4" IMPACT DRIVER KIT

- · Compact, lightweight design fits into tight areas
- Three LED lights provide visibility without shadows
- One-hand loading 1/4" hex chuck accepts 1" bit tips
- · Belt Hook included for portability

INCLUDES:

- (1) DCF815B 1/4" Impact Driver
- (2) DCB120 12V MAX* Li-lon Battery Packs
- (1) Charger

- (1) Impact Ready Bit Tip
- (1) Belt Hook
- (1) Kit Bag

PRODUCT #	DRIVE SIZE	IMPACTS PER MINUTE	MAX TORQUE [FT-LBS.]	MAX TORQUE (IN-LBS.)	NO LOAD SPEED RPMS	TOOL LENGTH	TOOL WEIGHT (LBS.)
DCF813B	3/8" Male Square	0-3400	96	1150	0-2450	6-1/4"	2.3
DCF815B	1/4" Female Hex	0-3400	79	950	0-2450	6-1/4"	2.3

RECIPROCATING SAW

DSC312G1

12V MAX* PIVOT RECIPROCATING SAW KIT

DCS312B (TOOL ONLY)

12V MAX* PIVOT RECIPROCATING SAW

- Adjustable 3-position pivoting handle allows user to make difficult cuts in confined spaces
- 9/16" Stroke length delivers fast cutting speed
- Variable-speed trigger with 0-2700 SPM provides blade control for precision cuts
- · Keyless lever-action blade clamp for quick and easy blade changes
- · Pivoting shoe provides versatility while cutting
- · Bright LED light illuminates dark work areas for better visibility
- Blade reverses for greater access to tight spaces and flush cutting

INCLUDES:

- [1] DCS312B Pivot Reciprocating Saw
- [1] DCB120 12V MAX* Li-lon Battery Pack
- (1) Charger
- [1] 4" 6 Tpi Wood Cutting Reciprocating Blade
- [1] 4" 18 Tpi Metal Cutting Reciprocating Blade
- (1) Kit Bag



PRODUCT #	STROKE LENGTH	STROKES PER MINUTE	TOOL WEIGHT (LBS.)
DCS312B	9/16"	0-2700	3.1



WARNING: Cancer and Reproductive Harm - p65warnings.ca.gov
For more info click-on MACTOOLS.COM/PROP65

DRILL AND SCREWDRIVER KITS



DCD701F2 12V MAX* 3/8" DRILL/DRIVER KIT

DCD701B (TOOL ONLY)

12V MAX* 3/8" DRILL/DRIVER

- · Compact, lightweight design fits into tight areas
- · Two speed transmission for optimal speed and torque control
- LED Light provides visibility in dark areas

INCLUDES:

- (1) DCD710 3/8" Drill/Driver
- (2) DCB120 12V MAX*
 - Li-Ion Battery Packs
- (1) Charger
- (1) Belt Hook
- (1) Kit Bag



DCF610S2 12V MAX* 1/4" SCREWDRIVER KIT

DCF610B (TOOL ONLY)

12V MAX* 1/4" SCREWDRIVER

- Compact, lightweight design fits into tight areas
- · Three LED lights provide visibility without shadows
- One-hand loading 1/4" hex chuck accepts 1" bit tips

(1) Charger

- [1] **DCF610B** 1/4" Screwdriver
- (2) DCB120 12V MAX* Li-Ion Battery Packs
- (1) Bit Tip (1) Belt Hook
- (1) Kit Bag
- MAX POWER IMWO1 NO LOAD SPEED RPMS PRODUCT # CHUCK SIZE CHUCK TYPE CLUTCH SETTINGS MAX RPM SPEED SETTINGS TOOL LENGTH TOOL WEIGHT (LBS.) VOLTAGE DCD701R 3/8" One Sleeve 15 189 0-400 / 0-1500 1500 2 7-1/2 24 12V MAX* DCF610B 12V MAX* 1/4" 1/4" Hex 15 0-1050 1050 6-1/4" 2.2

8V MAX SCREWDRIVER AND LIGHT

DCF680N2

8V MAX* GYROSCOPIC SCREWDRIVER TWO-BATTERY KIT

- · Motion-Activation Variable-speed and reversing control for precise fastening into wood, plastic, and light-gauge metal
- · Adjustable two-position handle allows for operation in either in-line or pistol-grip
- · Allows control when completing light fastening applications
- · Provides illumination in confined areas without shadowing
- Battery State of Charge on tool allows end users to know when to charge packs
- · Allows for quick screwdriver bit change and holds 1/4" bit tips
- · 8v MAX* battery pack allows for longer run time and charges in one hour

- [1] DCF680 Screwdriver
- (1) Fast Charger
- [2] 8v MAX* Battery Packs
- (1) Kit Bag

PRODUCT #	DRIVE SIZE	NO LOAD SPEED RPMS	TOOL WEIGHT (LBS.)	VOLTAGE
DCF680N2	1/4" Hex Shank Quick Release	0-430	1.1	8v MAX*



BATTERIES AND CHARGERS CHARGERS



DCB102

12V-20V MAX*JOBSITE **CHARGING STATION**

- Charges (2) DEWALT® or Mac Tools® 12V - 20V MAX* Li-lon batteries
- Includes two USB ports to charge compatible devices (1.5 Amp Max Output)
- · Charges the batteries in 90 minutes or less thus minimizing downtime
- · Diagnostics with LED indicator communicates battery charge status: charged, charging, replace pack, and battery too hot or too cold



DCB115-BOX 12V - 20V MAX*

BATTERY CHARGER

- Charges all DEWALT® or Mac Tools® 12V - 20V MAX* Li-lon Batteries
- Charges the battery in 90 mins (DCB205) or less
- LED illuminates for hot/cold pack delay



DCB1112

12 AMP FAST CHARGER

- Compatible with all 20V MAX* and FLEXVOLT® batteries
- Internal Fan pull air across battery to cool and reduce hot/cold pack delays
- This fan assisted cooling results in faster charge times and reduced downtime in the field
- Stage 1 and 2 LED format communicates more to the user about the batteries state of charge



DCB090

12V/20V MAX* **USB POWER SOURCE**

- · Durable enough to withstand jobsite abuse
- Charge up to two small USB compatible electronic devices on/at the jobsite from a 12V or 20V MAX* battery when AC power is not available
- · Indicates when unit is powered on and ready to charge devices
- Battery shown not included



DCA1820

20V MAX* ADAPTER FOR 18V TOOLS

- · Allows for use of 20V MAX* batteries in most 18v DEWALT® tools
- Requires use of 20V MAX*DEWALT® or Mac Tools® charger
- Do not use premium battery in 18v compact drills DC970 and DC759

BATTERY PACKS



DCB208 (NOT SHOWN)

20V MAX* XR® BATTERY (8.0AH)

DCB208-2 (NOT SHOWN)

20V MAX* XR® BATTERY 2-PACK (8.0AH)

DCB206

20V MAX* XR® BATTERY PACK (6.0AH)

DCB205 (NOT SHOWN)

20V MAX* XR® BATTERY PACK (5.0AH)

DCB204 (NOT SHOWN)

20V MAX* BATTERY PACK (4.0AH)

DCB203 (NOT SHOWN)

20V MAX* BATTERY PACK (2.0AH)



DCB205BT-2

20V MAX* COMPACT XR® BATTERY PACK (5.0AH) WITH BLUETOOTH®

- · LAST SEEN feature will find and locate your battery down to the street address that it was last within range of a Tool Connect™ enabled device
- Easily and quickly assign battery to jobsites and users on. the Tool Connect™ Inventory Manager software, increasing accountability and reducing lost tools
- Blue LED light indicates when the battery is paired
- Set "disable when out of range" alerts to help deter theft and unauthorized use
- Easily pair the drill with the Tool Connect[™] app by holding down the pair button for 3-5 seconds
- · LEND feature will disable the battery after a predetermined time



DCB124

12V MAX* LITHIUM ION BATTERY (3.0AH)

DCB124-2

12V MAX* LITHIUM ION BATTERY 2-PACK (3.0AH)



DCB1106 **CHARGER (6.0AH)**

 Compatible with all 12V MAX*, 20V MAX*, and FLEXVOLT Batteries

OIL-RESISTANT BATTERIES

- · Recommended for work involving regular exposure to oils, grease, and solvent
- Versatile batteries can be used with all DEWALT and Mac Tools 12/20V MAX* tools and chargers

DCB124G (NOT SHOWN)

12V MAX* OIL-RESISTANT BATTERY (3.0AH)

DCB126G

12V MAX* OIL-RESISTANT BATTERY (5.0AH)

DCB203G (NOT SHOWN)

20V MAX* OIL-RESISTANT

BATTERY (2.0AH)



DCB205G (NOT SHOWN)

20V MAX* OIL-RESISTANT BATTERY (5.0AH)

DCB609G (NOT SHOWN)

20V/60V MAX* FLEXVOLT® **OIL-RESISTANT BATTERY** (9.0AH**)



DCR025

BLUETOOTH® CHARGER RADIO

- AVRCP (Audio Video Remote Control Protocol) allows you to control your device from the radio interface
- 20 Watts Per Channel Woofers, tweeters, and air ports provide full, rich, and clear sound





DWST08810 12V/20V MAX* **TOUGHSYSTEM®** CHARGER/RADIO

- Premium Sound Four Full range tweeters, subwoofer, and assisted bass resonator
- ToughSystem® Carrier cart compatible can also be stacked to other ToughSystem® modules



DCR028

12V/20V MAX* BLUETOOTH® **CORDLESS JOBSITE RADIO**

• Dual 3.5 in. woofers and 1 in. tweeters for stereo sound



DCR010

12V/20V MAX* BLUETOOTH® **JOBSITE RADIO**

- · Dual speakers for rich stereo sound
- · Convenient carry handle with phone holder

PRODUCT #	AC POWERED	BATTERY POWERED	CHARGES BATTERY	BLUETOOTH CONNECT	AM-FM Radio	AUX Port	USB Port	AC OUTLETS
DWST08810	•	12V, 20V	12V, 20V	•	•	٠	٠	-
DCR025	•	20V	20V, 60V	•	•	•	•	2
DCR028	•	12V, 20V	12V, 20V	•	•	•	•	2
DC012	•	12V, 18V	7.2V - 18V	-	•	•	-	3
DCR010	•	12V, 20V	-	•	-	•	-	-

DEWALT

DEWALT LIGHTS 20V MAX* LIGHTS



DCL079B (LIGHT ONLY)

20V MAX* CORDLESS TRIPOD LIGHT

DCL079R1 **20V MAX* CORDLESS** TRIPOD LIGHT KIT

- · Natural white LED provides accurate color visibility and a long life span
- Telescoping pole extends light head to 7ft. to reduce shadows and glare

- (1) 6.0Ah battery



DCL040

20V MAX* LED WORKLIGHT

- Bright LED output 160 Lumens
- Head rotates 120° Low heat output compared to Xenon lights
- Efficient LED bulb improves run-time
- 11-25 hours of run-time depending on battery amp hour



INCLUDES:

(1) Charger



DCL043

20V MAX* JOBSITE LED SPOTLIGHT

- Three bright LEDs illuminate dark jobsite work areas -1,500 Lumens
- 90° Pivoting head provides versatility for lighting work surfaces
- Distance: Can be seen up to 508 yards or 1,525 feet

DCL050

20V MAX* LED HAND **HELD AREA LIGHT**

- Three bright LEDs illuminate dark jobsite work areas -1,000 Lumens (high), 250 Lumens (low)
- Two brightness settings provide flexibility for maximum light output 500 L or 250 L extended run-time
- 140° pivoting head provides versatility for lighting work surfaces



12V/20V MAX* **COMPACT TASK** WORKLIGHT



DCL510

12V MAX* LED WORKLIGHT



DCL044

20V MAX* LED **HAND HELD WORKLIGHT**



800.MACTOOLS



AIR MOVERS BLOWERS AND VACUUMS DCE100M1 **20V MAX* COMPACT JOBSITE BLOWER KIT** DCE100B (TOOL ONLY) **20V MAX* COMPACT JOBSITE BLOWER** • Max Air Flow - 100 CFM

- Air Speed 135 MPH
- · Variable-speed trigger allows adjustment of blowing power in use
- Trigger lock-on reduces end user fatigue



DCE511B 20V MAX* 11" **CORDED/CORDLESS JOBSITE FAN**

- Corded or cordless operation (extension cord sold separately)
- Multiple hanging options freestanding, hang hooks, tripod mount (sold separately), and wall mount
- · Wide-range, Variable-speed control



20V MAX* 1/2-GALLON WET/DRY VACUUM KIT

DCV517B (TOOL ONLY)

20V MAX* 1/2-GALLON WET/DRY VACUUM

- HEPA wet/dry filter traps 99.97% of dust at 0.3 microns
- Dual clean-up modes allow for debris removal with either the front utility nozzle or extendable rubber hose
- 1/2-Gallon tank with heavy-duty latch is easy to empty and clean
- · Washable filter; tap or water rinse to clean
- · Heavy-duty rubber hose provides durability and flexibility
- · Large on/off switch that is easy to access with one-hand
- Runs off of 20V MAX* battery packs for long run-time









DWV010

8 GALLON WET/DRY HEPA/RRP DUST EXTRACTOR

- Automatic Filter Clean pulses every 30 seconds for continuous operations without stopping to clean filter
- Powerful 15 amp motor delivers 150 CFM of airflow for maximum suction
- Meets the EPA Lead Related Renovations, Repair and Painting (RRP) Rule for Hepa Vacuum only when DWV9330 Filters are used (Filters inlouded with unit)Universal hose connector provides a robust connection with swivel capability
- Lightweight and portable weighing in at only 21 lbs.

DWV012

10 GALLON WET/DRY HEPA/RRP DUST EXTRACTOR

- Automatic Filter Clean pulses every 30 seconds for continuous operations without stopping to clean filter
- Powerful 15 amp motor with 155 CFM airflow for maximum suction
- Meets the EPA Lead Related Renovations, Repair and Painting (RRP) rule for HEPA vacuum only when DWV9330 Filter is used (Filter included with unit) Variable suction controls vacuum's power consumption and amount of suction
- Telescoping handle for easy transport
- Lightweight and portable weighing in at only 33.5 lbs.
- · Multiple lift and tie down points to secure vac during transportation
- · Can be used with wet or dry applications



DCC020IB

20V MAX* CORDED/CORDLESS AIR INFLATOR

- High-pressure inflation mode with automatic shutoff
- · High-volume inflation and deflation modes:
- LED light helps to provide illumination
- Three power sources for inflation on a jobsite and on the go 20V MAX* battery, 12V DC, or 110V AC]
- · Convenient onboard accessory storage
- Threaded chuck for secure connection to inflation valve



DCV581H

20V MAX* CORDLESS/CORDED WWET-DRY VACUUM

DCV5801H (NOT SHOWN)

WET-DRY H.E.P.A. RATED VACUUM REPLACEMENT FILTER

- Condless or corded operation powered by either an 18v or 20V MAX* battery - or an AC outlet
- HEPA rated wet/dry filter traps dust with 99.97% of dust as small as 0.3 microns
- Heavy-duty, crush-resistant, fully-integrated 5' x 1-1/4"
- 2-Gallon tank capacity provides enough storage to empty a toilet or clogged pipe



- E-Clutch® activates in less than a tenth of a second when a pinch/stall is detected, shutting down the motor
- 9,000 RPM Rating 13-Amp Motor
- Provides rotations stops to ensure users hands are covered
- · Narrow width of guard provides better : visibility to line of cut compared to standard type 1 guard

INCLUDES:

- (1) Grinder
- (1) Side Handle
- (1) Inner and Outer Flange
- [1] 6" [150mm] Adjustable Cutoff Guard



DWE402

4-1/2" SMALL ANGLE GRINDER

DWE402N

4-1/2" SMALL ANGLE GRINDER WITH NO LOCK-ON

- 11-Amp AC/DC 11,000 RPM motor provides excellent power to weight/size ratio
- Dust Ejection System® provides durability by ejecting damaging dust and debris particles that enter the tool
- Oversized brushes provide 2x brush life over previous model

INCLUDES:

- (1) DWE402 Grinder
- (1) 2-Position Side Handle
- [1] 4-1/2" One-Touch™ (T27) Guard

2" (50MM) BRUSHLESS VARIABLE SPEED PADDLE SWITCH DIE GRINDER WITH LOCK-ON

DWE4997NVS

2" (50MM) BRUSHLESS VARIABLE SPEED PADDLE SWITCH DIE GRINDER WITH NO **LOCK-ON**

- 4.2-Amp, 25,000 RPM motor provides high power and speed for all 1-1/2" grinding applications
- · AC/DC capacity works off welding machines and generators for increased productivity and versatility
- · Convenient paddle switch with lock-on button for easy gripping

INCLUDES:

- (1) DWE4887 Grinder
- (2) Wrenches
- (1) 1/4" Collet



WARNING: Cancer and Reproductive Harm - p65warnings.ca.gov For more info click-on MACTOOLS.COM/PROP65

FEATURES:

- E-Clutch® activates in less than a tenth of a second when a pinch/stall is detected, shutting down the motor
- Dust ejection system provides durability by ejecting damaging dust and debris particles that enter through the air intake vents
- Power loss reset® prevents accidental restarts following a power disruption when the tool is left in the "on" position
- 13-Amp motor



DWE43115

4-1/2"(115MM)- 5" (125MM) HIGH PERFORMANCE TRIGGER SWITCH GRINDER

DWE43115N

4-1/2"(115MM)- 5" (125MM) HIGH PERFORMANCE TRIGGER SWITCH GRINDER WITH NO LOCK ON

• 11,000 RPM Rating



DWE43214

5" (125MM) BRUSHLESS PADDLE SWITCH SMALL ANGLE GRINDER WITH KICKBACK BRAKE

DWE43214N

5" (125MM) BRUSHLESS PADDLE SWITCH SMALL ANGLE GRINDER WITH KICKBACK BRAKE, NO LOCK-ON

DWE43214NVS

5" (125MM) BRUSHLESS PADDLE SWITCH SMALL ANGLE GRINDER WITH KICKBACK BRAKE, NO-LOCK-ON, VARIABLE SPEED

• 11,000 RPM Rating



DWE43144

6" (150MM) HIGH PERFORMANCE PADDLE SWITCH GRINDER



DWE43244N

6" (150MM) HIGH PERFORMANCE PADDLE SWITCH GRINDER WITH NO LOCK ON

9,000 RPM Rating



DWE43066

6" (150MM) HIGH PERFORMANCE TRIGGER SWITCH GRINDER

DWE43066N

6" (150MM) HIGH PERFORMANCE TRIGGER SWITCH GRINDER WITH NO LOCK ON

• 9,000 RPM Rating





DW4988 7-1/2" WOOL POLISHING PAD WITH 1-1/2" PILE

• For use with DWP849X

DW4989

7-1/2" WOOL/POLY-BLEND POLISHING PAD WITH 1-1/2" PILE

• For use with DWP849X

- Powerful, 12-Amp, all ball-bearing construction for long life and performance for the most demanding applications
- Electronic module maintains specified speed under load delivering better finish results
- Conveniently located Variable-speed dial lets user set maximum speed from 0 - 600/3500 RPM for different materials and applications
- Variable-speed trigger allows user to control speed from O to dialed maximum setting
- Heat-treated, precision-cut steel gears for smooth operation
- Shields eliminate wool ingestion increasing tool life and reducing service costs
- Non-marring rubber gear case cover reduces surface imperfections and improves gripping surface

*Bonnet not included



OSCILLATING TOOLS

DWE315K

29-PC. OSCILLATING 3.0 AMP **MULTI-TOOL KIT**

- QUICK-CHANGE[™] accessory system allows blades and attachments to be changed quickly without wrenches
- DUAL-GRIP[™] Variable-speed trigger gives users ultimate speed and application control
- Bright LED light illuminates dark work surfaces for accurate cutting
- 29-PC. DEWALT® accessory kit with storage box includes popular cutting and sanding attachments
- · Multi-brand accessory adaptor allows for use with most oscillating tool accessory brands

INCLUDES:

- (1) DEWALT® Oscillating Tool Guide System
- (1) Wood With Nails Blade
- (1) Fast-Cut Wood Blade
- (1) Semi-Circle Blade
- (1) Sanding Pad
- (25) Sheets of Sand Paper
- (1) Accessory Storage Box
- (1) Multi-Brand Accessory Adapter
- (1) Kit Bag





DWA4204

WIDE TITANIUM OSCILLATING **WOOD WITH NAILS BLADE**

- UNIVERSAL FITMENT[™] for use on all major brands (no adapter required)
- · Titanium coating provides long life in tough applications
- Wide blade (1-3/4") for fast material removal



DWA4209 **OSCILLATING** TITANIUM METAL BLADE

- UNIVERSAL FITMENT[™] for use on all major brands (no adapter required)
- Titanium coating provides long life in tough applications
- · Ideal for metal cutting



DWA4213 **TITANIUM OSCILLATING**

FLUSH CUT BLADE UNIVERSAL FITMENT[™] for use on all

- major brands (no adapter required)
- Titanium coating provides longer life in tough applications
- Blade allows user to perform flush cuts on a variety of applications



OSCILLATING RIGID SCRAPER BLADE

 UNIVERSAL FITMENT[™] for use on all major brands (no adapter required)



OSCILLATING FLEXIBLE SCRAPER BLADE

- UNIVERSAL FITMENT™ for use on all major brands (no adapter required)
- · Ideal for scraping applications that require blade to flex



DWA4211 **OSCILLATING TITANIUM**

SEMICIRCLE BLADE

- UNIVERSAL FITMENT[™] for use on all major brands (no adapter required)
- · Titanium coating provides long life in tough applications

ACCESSORIES IMPACT READY SCREWDRIVING SETS



DWA2NGFT40IR

40-PC. IMPACT READY® SCREWDRIVING SET

- Impact Ready® bits with FlexTorq™ have extended Torsion zone for longer life and increased durability
- CNC machined resulting in accurate manufacturing for optimal fit into screw recess
- Reflex core allows 2-in bits to flex up to 15° to reduce breakage
- Part of 10x Magnetic Screw Lock System for faster retention which minimizes drops and reduces wobbling

INCLUDES:

[/] 1-in PH	[1] 175
(5) 2-in PH	(2) T20
(6) 1-in SQ	(5) T25
(0) 0: 00	(4) TOZ

(2) 2-in SQ (4) 1-in SL

(1) T27

(2) Nut drivers

(1) Socket adaptor

(2) Sockets

[1] Magnetic screw lock sleeve

(1) Magnetic bit tip holder



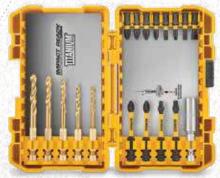
DWA2NGFT35IR

35-PC. IMPACT READY® SCREWDRIVING SET

- Impact Ready[®] bits with FlexTorq[™] have extended Torsion zone for longer life and increased durability
- · CNC machined resulting in accurate manufacturing for optimal fit into screw recess
- Reflex core allows 2-in bits to flex up to 15° to reduce breakage
- Part of 10x Magnetic Screw Lock System for faster retention which minimizes drops and reduces wobbling

INCLUDES:

(9) 1-in PH	(3) T20	(2) Nut drivers
(3) 2-in PH	(5) T25	(1) Magnetic screw
(7) 1-in SQ	(1) T27	lock holder
[/] 1 in Cl	The State of the S	



DWA20IRTIN-Z

20-PC. IMPACT READY® SCREWDRIVING SET

- Impact Ready[®] bits with FlexTorq[™] have increased durability for Long Life
- · CNC precision machined for optimal fit into screw recess
- Reflex core allows 2" bits flex up to 15° to reduce breakage
- Part of 10x magnetic screw lock system for fastener retention which minimizes drops and reduces wobbling



DD5160

10-PC. TITANIUM IMPACT READY® 1/4" HEX-DRIVE DRILL BIT SET

- Ground from a solid one piece design is up to 5 times more durable than the current 2-piece conventional product
- Web taper increases the rigidity of the bit to decrease the potential for bit breakage
- 10 pieces for various applications



09



DWA1189 (NOT SHOWN)

29-PC. BLACK OXIDE DRILL BIT SET

DWA1181

21-PC. BLACK OXIDE DRILL BIT SET

DWA1184 (NOT SHOWN)

14-PC. BLACK OXIDE DRILL BIT SET

- 135° split point drills on contact and prevents walking
- · Parabolic flute design improves chip ejection in metal and wood drilling applications
- · Helix is 31°, which minimizes the overaggressiveness of a true parabolic flute



DW1369 (NOT SHOWN)

29-PC. TITANIUM PILOT POINT® DRILL BIT SET

DW1361

21-PC. TITANIUM PILOT POINT® DRILL BIT SET

DW1354 (NOT SHOWN)

14-PC. PILOT POINT® TITANIUM DRILL BIT SET

- · Ideal for power drills and drill presses
- For high-performance drilling in metal and wood
- Titanium-coated drill bits with a thick core design
- No-spin shanks to prevent the bit from slipping in the drill chuck
- Pilot Point tips that start on contact and prevent walking for clean, burr-free holes



IMPACT READY® TAP AND DDILL BITS 1/4" CADACITY

DRILL BITS 1/4 CAPACITY					
PRODUCT #	SIZE	OVERALL LENGTH			
DWADTQTR1024	10-24	2-21/64"			
DWADTQTR1032	10-32	2-21/64"			
DWADTQTR10MM15	M10 x 1.5mm	2-3/8"			
DWADTQTR1224	12-24	2-23/64"			
DWADTQTR1420	1/4"-20	2-3/8"			
DWADTQTR3816	3/8"-16	3-7/64"			
DWADTQTR51618	5/16"-8	3-7/64"			
DWADTQTR5MM8	M5 x 0.8mm	2-21/64"			
DWADTQTR6MM1	M6 x 1.0mm	2-21/64"			
DWADTQTR832	8-32	2-5/32"			
DWADTQTR8MM125	M8 x 1.25mm	2-23/64"			



5-PC. DRILL TAP **SET 1/4" CAPACITY**

- · Drills and taps hole in one application
- Deburr and countersink in one step
- · Hex-shank; designed for impact drivers



DWA1790IR 3-PC. IMPACT READY® STEP DRILL BIT SET

- Titanium two flute spiral design provides longer life and better chip removal
- Split point tip increases speed
- Laser engraved numbers increases step visibility
- 1/4" hex shank
- Optimized for impact driver usage
- Works with rotary drills

CHUCK AND ANGLE ATTACHMENTS



modular handle) to reduce vibration

NUT DRIVERS AND ADAPTERS

FEATURES:

- Includes 8 most common size sockets and 2-1/4" adapters
- · Recessed corners distributes torque across flats promoting life
- Thinner than pnuematic wrench sockets hard to reach areas
- · Large laser etched markings easily identifiable



DW22838

3/8" 10-PC. IMPACT READY® SOCKET SET



DW22812

1/2" 10-PC. IMPACT READY® SOCKET SET



DWADEND-2

2-PC. IMPACT READY® **REVERSIBLE NUT DRIVER SET**

INCLUDES:

- (1) **DWADEND14516** 1/4" and 5/16"
- [1] **DWADEND38716** 3/8" and 7/16"



DWAIND-5

5-PC. IMPACT READY® **COMPACT NUT DRIVER SET**

INCLUDES:

1/4", 5/16", 3/8", 7/16", 1/2"



DWADND-5

5-PC. IMPACT READY® **DETACHABLE NUT DRIVER SET** INCLUDES:

1/4", 5/16", 3/8", 7/16", 1/2"

ACCESSORIES NUT DRIVERS AND ADAPTERS

FEATURES:

- Product designed for use in impact drivers and wrenches
- · Recessed corners drive on the flats of the fastener, which minimizes shavings
- Industrial strength magnet maximizes fastener retention



DW2235IR

5-PC. IMPACT READY® **MAGNETIC NUT DRIVER SET**

INCLUDES:

1/4", 5/16", 3/8", 7/16", and 1/2"



DWPVTDRV

4-PC. IMPACT READY® PIVOTING **MAGNETIC NUT DRIVER SET**

INCLUDES:

1/4", 5/16", 3/8", and 7/16"



DW2541IR

1/4" HEX SHANK TO 1/4" SOCKET ADAPTER



DEWALT

1/4" HEX SHANK TO 3/8" SOCKET ADAPTER



DW2547IR

1/4" HEX SHANK TO 1/2" SOCKET ADAPTER

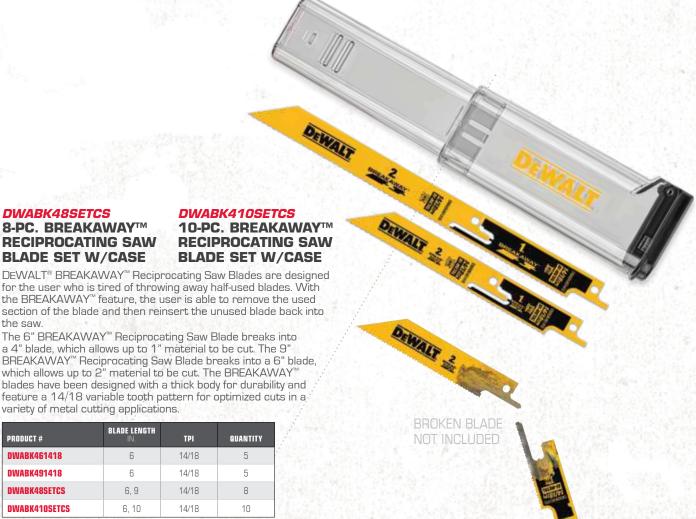




NUT DRIVERS AND ADAPTERS









PRODUCT #

DWABK461418

DWARK491418

DWABK48SETCS

DWABK410SETCS

DWABK48SETCS



DWA4101

8-PC. 2X RECIP BLADE SET WITH TOUGHCASE

DEWALT® 2x Long Life™ features the blades you need in a convenient, durable case designed to fit power tool kit boxes. Each blade is crafted with an aggressive shank angle that helps to increase tooth contact and fast cuts. An anti-stick coating decreases friction and gum-up for smooth cuts.



5-PC. 2X LONG LIFE WOOD AND METAL CUTTING RECIPROCATING SAW BLADES

DWA4186

6" 14/18-TPI BI-METAL RECIPROCATING SAW



SHAD (S) REV

DW4856

6-PC. BI-METAL RECIPROCATING SAW BLADE SET

- Reinforced tooth for increased durability when cutting through nails and other foreign objects
- (+6°) hook angle for fast, aggressive cuts
- Specially formulated anti-stick coating minimizes friction and gum-up for smoother cuts
- Raker tooth design increases the tooth contact area for faster cuts
- · For use with corded or cordless reciprocating saws.

DW4811

6" 18 TPI 6" 24 1

DW4813 DW4809 6" 24 TPI 8" 14 TPI

STRAIGHT BACK BI-METAL RECIPROCATING BLADE - 5-PK.

DEWALT STATES

- Sharp tooth geometry for fast cut rates
- Aggressive shank angle increases tooth contact,maintaining cutting speed as blade wears for long blade life
- Anti-stick coating minimizes friction and gum-up for smoother cuts



DW4890

15-PC. BI-METAL RECIPROCATING SAW BLADE SET

DW4892

12-PC. BI-METAL RECIPROCATING SAW BLADE SET

- Assorted blades for common applications
- Expandable Tough Case™ holds blades and fits in power tool kit box



AGGSSO2115 HOLE SAWS AND CUT-OFF WHEELS

DWA1805

13-PC. MASTER HOLE SAW KIT FOR CUTTING METAL

Delivers strength and performance with a variety of deep-cut hole saws that cut twice the material in just one pass. An innovative plug ejection system enables fast plug removal. Thick, hardened backing plates helps to prevent thread stripping.

- Bi-Metal material improves performance and durability on average vs. previous design
- Staggered slots for easy plug removal
- Up to 8.75% cobalt content and unique tooth geometry for speed and long life
- · Deep cut style hole saws will cut 2-by material in one pass

INCLUDES:

3/4", 7/8", 1", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/8", 2-1/4" and 2-1/2" hole saws





DW8062 Z 4-1/2" METAL THIN CUT-OFF WHEEL

- Thin .045" wheel designed for fast, burr-free cutting
- Aluminum-oxide grain for aggressive cutting action
- Designed to cut ferrous metals and stainless steel

Have to add two spaces before the "Z" when ordering. Neat huh.



DWA4531 4-1/2" T27 METAL CUT-OFF WHEEL

- Aluminum Oxide formulation for efficient cuts.
- Double Layer fiberglass
- 0.045" thin cutting wheel
- 4-1/2" wheel with 7/8" arbor



DW8807XP METAL GRINDING WHEELS TYPE 27

- Premium tough zirconia grain for extended life and material removal
- High grain concentration ensures aggressive grinding action and smoother running wheels
- 3 full sheets of fiberglass for added durability and safety



TOUGHSYSTEM® STORAGE

The DEWALT® ToughSystem® features durable, thick structural foam walls, an integrated water seal and rust-resistant metal latches. Storage pockets on the lid and four removable cups allow for handy storage of small parts. Side latches allow the case to be stacked to other modules of the ToughSystem® storage line for added convenience and versatility.

- Structural foam material gives robust structure to the case
- Integrated IP65 water seal protects contents from weather
- Anti-rust metal latches resist corrosion
- · Bi-material handle is built to last.
- Side latches allow case to be stacked to other ToughSystem® modules and carriers
- Side handles provide additional portability



6" TOUGHSYSTEM® TOOL BOX

DWST08203H

12" TOUGHSYSTEM® TOOL BOX

DWST08204

16" TOUGHSYSTEM® TOOL BOX

DWST08270

TOUGHSYSTEM®
WORKSHOP RACKING
STORAGE SYSTEM

DWST08210

TOUGHSYSTEM® TOOL BOX CARRIER



DWST08205 12" TOUGHSYSTEM® TOOL BIN

• Large open interior for bulk storage like spray cans, cables etc.



TOUGHSYSTEM® CHARGER AND RADIO

- Premium Sound 4 Full range tweeters, subwoofer, and assisted bass resonator
- Charges all DEWALT® or Mac Tools® 12V - 20V MAX* Li-lon Batteries









9

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SUB-CATEGORIES:

498

ADVANCED SCAN TOOLS

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SCAN TOOL ACCESSORIES

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HEAVY-DUTY DIAGNOSTICS

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HANDHELD SCAN TOOLS

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CODE READERS

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MULTIMETERS

524

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528

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538

TRAILER CONNECTOR MAINTENANCE

542

TERMINAL REPAIR

546

LEAK/EVAP DETECTORS



NEXT LEVEL DIAGNOSTICS

Mac Tools® Diagnostic line of products are capable of performing critical diagnostics, reprogramming and quick code information.

Choose from our most enhanced scan tool line with over 30 years of OEM-level coverage and built-in repair information featuring over 30 million experience-based repair solutions specific to each vehicle.

A full offering of accessories and software updates keep your shop on the leading edge of automotive diagnostics.



J2534

VCI is J-2534 compliant—can be used with separate PC and OEM software for ECU reflashing



Comprehensive full-color wiringdiagram library for 1986 and newer vehicles



Dual wi-fi system separates tabletto-internet communications from transmitter-to-tablet for fast and reliable wireless communications



One-touch DTCs - Tap to get codes with access to millions of confirmed experience-based fixes



One-touch automatic ID function can identify most vehicles in as little as 5 seconds



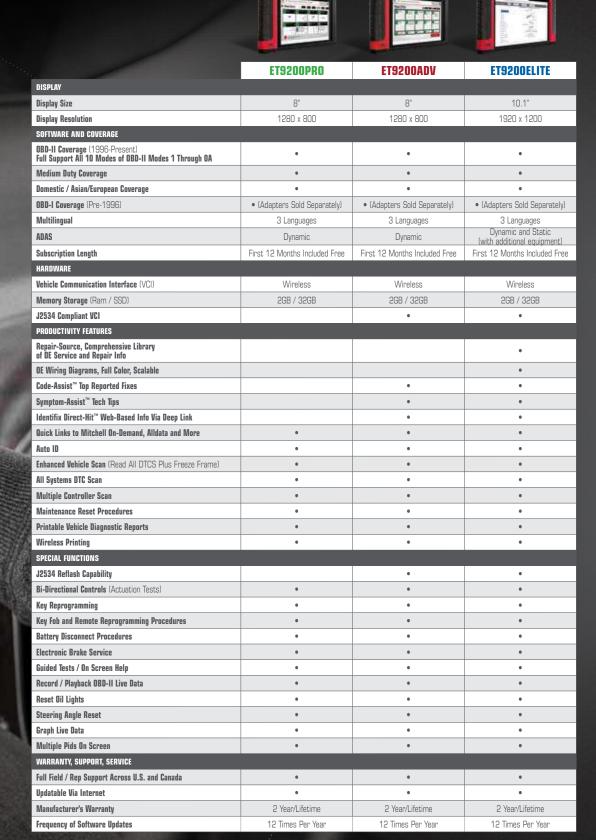
ldentifix® repair info available during vehicle scanning, including Code-Assist®, Symptom-Assist® and Repair-Trac®; 60-day trial included



30 years of extensive coverage, special tests, and repair information



GREAT TO WORK WITH



ADVANCED SCAN TOOLS ET9200 SERIES



ET9200ELITE

DIAGNOSTIC SCAN TOOL

- NEW Lighter weight, ruggedized tablet with wireless communication to the vehicle
- NEW Enhanced battery life with longer run time
- NEW Large 10.1" screen provides high visibility
- NEW 8MP rear camera and 5MP front camera
- NEW Google Play® store for all your favorite apps and accessories
- NEW Hot button navigation for faster access to critical functions
- NEW All system scan software
- NEW Android® 10 operating system
- NEW Integrated steering wheel holder
- Complete bi-directional diagnostic platform for both OBD I* and OBD II equipped domestic,
- Asian, and European vehicles (optional OBD I cables required - must be purchased separately)

- Over 25,000 vehicle systems and over 12,000 actuation/adjustment tests
- AutoID® most CAN vehicles in 5 seconds
- Over 30 million experienced-based DTC fixes on-tool. Contains information resources: Code Assist $^{\mathsf{M}}$, Symptom Assist™, Repair-Trac™ and ASE certified technical support
- Built-in repair information, such as tune-up specs, key fob procedures, battery reset procedures, drive cycles, trans pan IDs and more
- Unlimited access to Repair Source with active subscription
- Includes J-2534 reflash device for OEM reprogramming
- Display up to 16 data items or graph up to 8 data items simultaneously
- · Customize data stream display, graph, and color for easy viewing
- Full-color wiring-diagram library for 1986 and newer vehicles (active subscription and Wi-Fi required)

- 12-month domestic, Asian and European coverage subscription
- ADAS compatible
- VESA® mounting capability
- Lifetime warrantv**

OPTIONAL ACCESSORIES:

ET9200-DOCK Docking Station



ET3450 TPMS Tool



*OBD-L'requires purchase of additional adapters

**To qualify for Diagnostics for Life lifetime hardware warranty, simply maintain an active, uninterrupted diagnostics subscription.

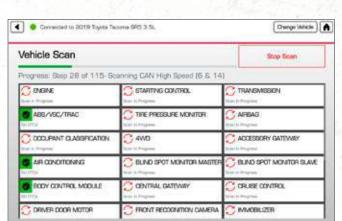
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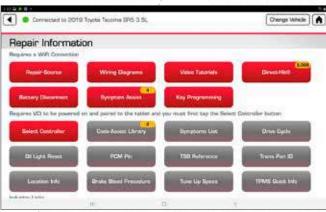




NEW Hot button navigation for faster access to critical functions



NEW All system scan software



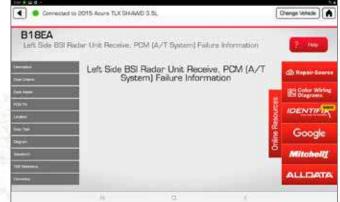
NEW Built-in repair information, such as tune-up specs, key fob procedures, battery reset procedures, drive cycles, trans pan IDs and more



Unlimited access to Repair Source with active subscription



Customize data stream display, graph, and color for easy viewing



Over 30 million experienced-based DTC fixes on-tool. Contains information resources: Code Assist™, Symptom Assist™, Repair-Trac™ and ASE certified technical support

ADVANCED SCAN TOOLS ET9200 SERIES



ET9200ADV

DIAGNOSTIC SCAN TOOL

- NEW Wireless communication to the vehicle
- NEW J-2534 reflash device for OEM reprogramming
- NEW Hot button navigation for faster
- access to critical functions
- NEW Google Play® store for all your favorite apps and accessories
- NEW Android® 10 operating system
- NEW 8" high-resolution touchscreen display
- NEW 2MP front camera/5MP rear camera
- NEW OBD II cable with voltage readout
- NEW Enhanced hard drive/processor
- NEW Wireless printing functionality
- NEW Microphone capability
- NEW All system scan software
- NEW Integrated steering wheel holder
- NEW Enhanced battery life with longer run time

- Complete bi-directional diagnostic platform for both OBD I* and OBD II equipped domestic,
- Asian, and European vehicles (optional OBD I cables required - must be purchased separately)
- Over 25,000 vehicle systems and over 12,000 actuation/adjustment tests
- AutoID® most CAN vehicles in 5 seconds
- Over 30 million experienced-based
- DTC fixes on-tool
- Built-in repair information, such as tune-up specs, key fob procedures, battery reset procedures, drive cycles, trans pan IDs and more
- Extremely fast boot time and Swift On function
- Wi-Fi and web browser allow full internet access
- 12-month domestic, Asian and European coverage subscription
- AutoDetect® alerts technician when repair information is available



- Deep Link, In-session access to Direct-Hit[™] for Identifix[®] subscribers
- Contains information resources: Code Assist™, Symptom Assist™ and Repair-Trac™
- VESA® mounting capability
- Lifetime warranty**

OPTIONAL ACCESSORIES:

ET9200-DOCK Docking Station



ET3450 TPMS Tool



*OBD-I requires purchase of additional adapters

**To qualify for Diagnostics for Life lifetime hardware warranty, simply maintain an active, uninterrupted diagnostics subscription.



NEW Hot button navigation for faster access to critical functions



NEW Built-in repair information, such as tune-up specs, key fob procedures, battery reset procedures, drive cycles, trans pan IDs and more



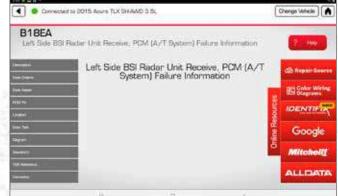
NEW All system scan software



NEW Google Play® store for all your favorite apps and accessories



Customize data stream display, graph, and color for easy viewing



Over 30 million experienced-based DTC fixes on-tool. Contains information resources: Code Assist™, Symptom Assist™, Repair-Trac™ and ASE certified technical support

ADVANCED SCAN TOOLS ET9200 SERIES



ET9200PRO

DIAGNOSTIC SCAN TOOL

- NEW Wireless communication to the vehicle
- NEW Hot button navigation for faster access to critical functions
- NEW Google Play[®] store for all your favorite apps and accessories
- NEW Enhanced battery life with longer
- NEW 8" high-resolution touchscreen display
- NEW 2MP front camera/5MP rear camera
- NEW OBD II cable with voltage readout
- NEW Android® 10 operating system
- NEW Enhanced hard drive/processor
- NEW Wireless printing functionality
- NEW Microphone capability
- NEW All system scan software

- NEW Integrated steering wheel holder
- Complete bi-directional diagnostic platform for both OBD I* and OBD II equipped domestic,
- Asian, and European vehicles [optional OBD I cables required - must be purchased separately)
- Over 25,000 vehicle systems and over 12,000 actuation/adjustment tests
- AutoID® most CAN vehicles in 5 seconds
- VESA® mounting capability
- Extremely fast boot time and Swift On function
- Wi-Fi and web browser allow full internet access
- Bluetooth® connectivity allows endless
- possibilities of peripheral devices
- Lifetime warranty**

OPTIONAL ACCESSORIES:

ET9200-DOCK Docking Station



ET3450 TPMS Tool

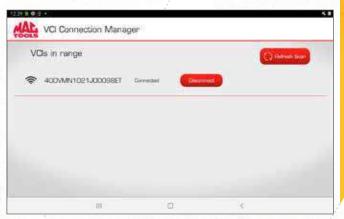


*OBD-I requires purchase of additional adapters

^{**}To qualify for Diagnostics for Life lifetime hardware warranty, simply maintain an active, uninterrupted diagnostics subscription.



NEW Hot button navigation for faster access to critical functions



NEW wireless communication to the vehicle



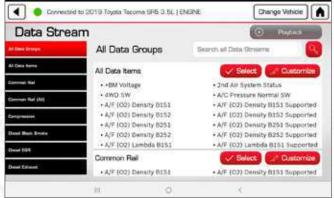
NEW All system scan software



NEW Google Play® store for all your favorite apps and accessories



Customize data stream display, graph, and color for easy viewing



Over 30 million experienced-based DTC fixes on-tool. Contains information resources: Code Assist $^{\mathsf{T}}$, Symptom Assist $^{\mathsf{T}}$, Repair-Trac $^{\mathsf{T}}$ and ASE certified technical support



ET9200-UPDS ET6250-UPDS

12-MONTH SUBSCRIPTION WITH LIFETIME HARDWARE WARRANTY

- · Domestic, Asian, European vehicle coverage
- Provides 12-months of frequent and valuable updates for new coverage, coverage enhancements, repair information, application improvement
- Diagnostics for Life* lifetime hardware warranty
- * Diagnostics for Life applies to existing and future purchasers of the MDT 10. To qualify, simply maintain an active, uninterrupted diagnostics subscription.



ET3288-03 (NOT SHOWN) 3' VIDEOSCOPE SHAFT

ET3288-06 (NOT SHOWN)

6' VIDEOSCOPE SHAFT

ET3288-09 (NOT SHOWN)

9' VIDEOSCOPE SHAFT

ET3288-16 (NOT SHOWN) 16' VIDEOSCOPE SHAFT

ET3288-SC (NOT SHOWN)

VIDEOSCOPE ONLY - NO SHAFT

ET3290 (NOT SHOWN)

WIFI VIDEOSCOPE WITH 9' SHAFT

ET3291 (NOT SHOWN)

WIFI VIDEOSCOPE WITH 16' SHAFT

- 480p Ultra-Compact 5.5mm camera head with 6 dimmable LEDs
- · Software interface records video and sound, captures still pictures
- Integrated LED flashlight below camera shaft illuminates work area
- · Files can be emailed for further analysis or to show a customer trouble sports that need repair
- · Works with modern smart phones through a free downloadable app
- IP67 Certified camera head resists dirt and liquids

VIDEO SCOPE APP INSPECTION APP FOR CELL PHONES

Mac Tools® video scope is WIFI embedded camera tools for inspection. Users can view video streamming (MJPG) in Android® phone take snapshot images (JPGs) or record video segments (MP4) mixed with voices.

506







ET3450

TPMS TOOL

- Activate and read TPMS sensor data, program sensors, check remote keyless entry (RKE) signal and display sensor data in seconds (ID, tire pressure, tire temperature, battery
- Perform OBD II relearns within minutes when paired with a compatible Mac Tools diagnostic scan tool.
- Full database of indirect, manual and auto relearn procedures.
- · Intuitive, full-color display with easy vehicle lookup by make, model and year.
- Supports Schrader EZ-sensor®, Alcar by Schrader; Alligator Sens-it; Continental REDI-Sensor; JohnDow DVT; Hamaton U-Pro, T-Pro, and EU-Pro; Huf IntelliSens; Italmatic Italsensor; Mobiletron; Orange Universal; DirectFit; Qwik Sensor; and Steelman.
- Four years of software updates included

INCLUDES:

- (1) TPMS Tool
- (1) Power Charger
- (1) USB-B Cable
- (1) Quick start Guide
- (1) USB with User Manual/Software
- (1) Carry Case



BATTERY, STARTER, AND CHARGING SYSTEM TESTER

ET3914

- Used with ET6250 / ET7200Works on 6V and 12V regular flooded, enhanced flooded, AGM, EV and start-stop automotive batteries
- 12v/24v Charging/starting systems tests
- Tests battery charging system to gauge alternator health and troubleshoot charging issues
- Capacity to email test results (stores 2,000 test records)
- Test batteries with as little as 1.5V



ET3415

CAN TEST BREAKOUT BOX

- Used with ET6250 / ET7200
- Diagnose electrical faults and CAN bus line activity
- Detects data and protocol communication
- Connects between data link connector (DLC) and scan tool
- Continuous numeric display or voltage
- · Connect leads for increased diagnosis, and monitoring
- Probe lines with scope or DMM for detailed signal information
- Ideal for troubleshooting OBD II communication issues



ET91932

SMARTEAR™ 3 HARDWARE KIT

- Can be used with the ET7200
- Sound level reading displays average, peak, and real-time values in either analog or digital
- Analog and digital readings have three display panels the user can choose from (Wave-form, FFT, or Spectrum; PC version only)
- Background sound offsetting, sample rates, and decibel offsetting can be manually set
- 8-Band frequency equalizer allows for high quality sound detection
- Selectable 6-channel function allows for multiple location/position diagnostics
- Record feature allows for data capturing during road testing or diagnostic testing for future reference or evaluation
- Compatible with Android® and Windows® operating systems

HARDWARE FEATURES:

- Bluetooth® wireless headphones provide high quality sound feedback
- Detachable sound wand with probe provides high quality sound detection
- Four color-coded Vibration Sensor Clamps provide multiple location diagnostics

PRODUCT #	DESCRIPTION
ET91932-01	Charging/Docking Station
ET91932-02	Sensor Clamp Without Bluetooth® Mod
ET91932-03	Sound Want Without Bluetooth® Mod
ET91932-04	Bluetooth® Module Plug
ET91932-05	Storage Tray



MAC TOOLS REPAIR SOURCE
DIAGNOSE, RESEARCH AND
REPAIR VEHICLE ISSUES



MAC TOOLS - REPAIR SOURCE INCLUDED WITH STANDARD SUBSCRIPTION

All the information you need in one tool! Mac Tools diagnostics platform now comes with vital technical information needed for repair on the specific vehicle make, model and year. One subscription gets it all-the coverage, updates and repair source!

REPAIR-SOURCE GIVES YOU ACCESS TO VEHICLE SERVICE AND REPAIR INFORMATION INCLUDING:

- OEM Service Procedures: AC/heater, engine, airbag, brake bleed, steering suspension, starter, alternator, timing belt, and more.
- DTC Troubleshooting: Test conditions and diagrams and supporting tests
- Specifications: AC system specs, brakes, capacities, quick lube, tune-up, and more
- TSBs (Technical Service Bulletin)

- OE Wiring Diagrams
- Component Location Diagrams
- Torque Specifications
- Computer Relearn Procedures
- Maintenance Procedures and Schedules
- Labor Times
- Fault Code Trees for Most System



SCANTOOLS HEAVY-DUTY DIAGNOSTICS

HEAVY-DUTY EQUIPMENT COVERAGE



Product hardware subject to change without notice.



ET8250-HD



ET8150-HD

HEAVY-DUTY SCAN TOOL

ET8250-HD HEAVY-DUTY SCAN TOOL

WITH OFF-HIGHWAY COVERAGE Extensive make model engine and system

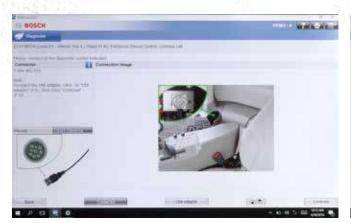
- Extensive make, model, engine, and system coverage for North American class 6-8 commercial vehicles and heavy duty trucks
- Unparalleled OHW coverage and connectivity for construction equipment, agricultural vehicles, stationary engines, street sweepers and more
- Useful technical information to aid in diagnosis, maintenance, and repair
- 10" touchscreen tablet designed for technicians in a rugged environment
- Front and rear cameras for repair image storing
- 4GB memory with 128GB flash disk for permanent storage
- 13-PC. cable set connecting to all major North American on-highway trucks, off-highway vehicles, stationary engines and machinery
- Easy to use software helps to navigate the complex world of OHW vehicles
- OHW troubleshooting and repair information to aid in diagnosis, maintenance, and repair
- Additional diagnostics capabilities include: identifying fault codes, performing service routines, configuring replacement components, adjusting and setting parameters, performing stationary regens, and performing cylinder cut-out tests

INCLUDES:

- (1) Heavy-Duty Tablet
- [13] Cables including the 6, 9, and 16 pin
- [1] VCI Vehicle Communication Interface
- (1) Carry Case

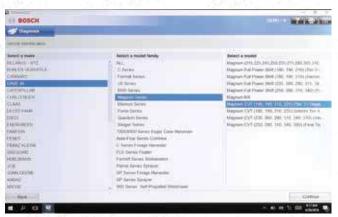
PRODUCT #	ET8250-HD	ET8150-HD
Color Screen	•	•
10" tablet with wireless VCI	•	•
Create and print reports	•	•
DPF regeneration and maintenance resets	•	•
Component actuations and tests	•	•
Data stream tables and graphing	•	•
Read and clear trouble codes	•	•
One-year warranty	•	•
System tests (some automated)	•	•
Leakage tests	•	•
Injector coding and trim files	•	•
Calibrations (including VGT)	•	•
Adjustments and settings	•	•
Wiring diagrams and component locations	•	•
Troubleshooting subscription	Optional	Optional
Off-highway / AG / construction coverage	•	
Includes off-highway cable kit	•	

- ETHDSW-UPD ET8100/8150/8200/8250 HD Hwy Update
- ET82000HW-UPD ET8200/8250 OHW Update
- ETOHWCBL-UPD ET8150 OHW Software Update and Cables
- ET3824-08R ET8100/8150/8200/8250 Troubleshooting 1-yr Sub



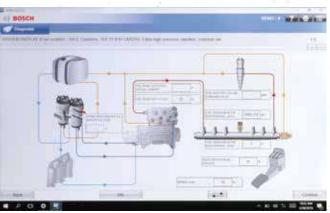
SIMPLE NAVIGATION

Simple navigation for 6-pin, 9-pin and 16 pin vehicles



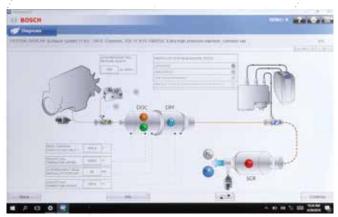
BI-DIRECTIONAL CONTROLS

Powerful bi-directional controls, like DPF Regen and Injector Coding



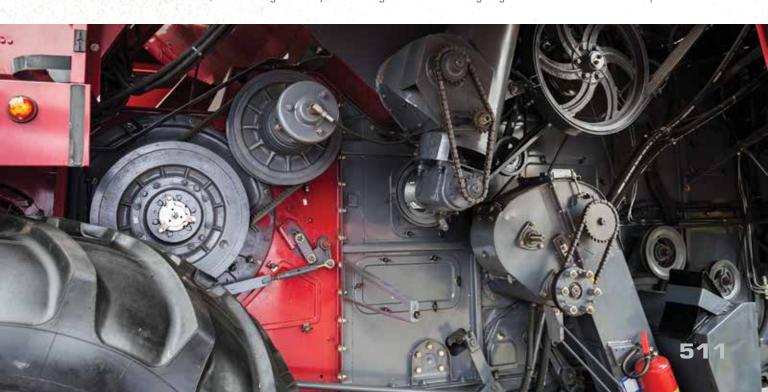
INTUITIVE DATA DISPLAY

Graphical data display for ease of diagnostics



INTERACTIVE WIRING DIAGRAMS

Interactive wiring diagrams that include links to component locations



POWER OF CONVENIENCE IN THE PALM OF YOUR HAND





PRODUCT #	ET110ANX	ET1210ANX	ET1510ANX
DTCs, Freeze Frame, Monitors, and MIL Status	•	•	•
Domestic and Asian ABS Codes and Definitions*	•	•	•
Live Engine Data Stream	•	•	•
Color Screen	•	•	•
Domestic and Asian SRS/Airbag Codes and Definitions*	•	•	•
Graph Live Data Stream Parameters		•	•
View Mode 6 Diagnostic Monitor Test Results		•	•
Displays Battery, Starting, and Charging Voltage		•	•
Mode 5 02 Monitor Test Results		•	•
CodeConnect® - Over 26M Vehicle-specific DTC Fixes			•
Enhanced Powertrain Coverage for Domestic, and Asian			•
Ford OBD II On-Demand Tests (Injector buzz, KOEO, KOER, etc.)			•
Battery and Oil Light Reset			•
Code Criteria - Detailed Conditions Required for DTC			•
Calculates Vehicle Fuel Mileage Using MAF Data			•
Acronym Library - Defines Commonly Used Vehicle Acronyms			•
Describes Vehicle Component Locations			•
Drive Cycle Monitor - Current State of Readiness in Real-time			•
European SRS/Airbag Codes and Definitions*			•
ABS Enhanced Live Datastream for GM®, Ford® and Toyota®			•
Engine and Transmission Enhanced Live Datastream for GM® and Ford® Vehicles			•
EPB Caliper Retract for Most Audi®/VW® Vehicles			•
Brake Bleed Test for Ford®, GM®, Chrysler®, and Toyota®			•
Steering Angle Reset for GM® and Nissan® Vehicles			•
BMW Brake Zeroing Test (Resets Brake Pad Wear Sensor)			•

[†] Expand your coverage. • ABS Codes and Definitions for most 1996 and newer GM, with in-app purchases Ford, Chrysler, Honda, Hyundai, Nissan and Toyota vehicles 1996 and newer GM, Ford, Chrysler, Honda, Hyundai, Nissan and Toyota vehicles

SGANTOOLS HANDHELD SCAN TOOLS



ET3420-HD

HEAVY-DUTY SCAN TOOL

- Read and clear diagnostic trouble codes
- Class 4 Class 8 truck coverage featuring "Automatic Protocol Search"
- HD J1587 / J1708 and J1939 CAN, Engine, Transmission/ABS coverage and more
- Global OBD II Quick Test
- · Gasoline and diesel engine coverage
- Live vehicle data All SAE Standard Data Items on CAN bus.
- Engine speed and ECU temperature
- Percent acceleration pedal position
- Engine intercooler and coolant temperature
- Battery and alternator voltage
- Ambient and inlet air temperature

INCLUDES:

- (1) ET3420-HD Scan tool
- (1) 4 AA batteries
- (1) 6 Pin cable
- (1) 9 Pin cable
- (1) OBDII cable



ET1510ANX

MAC TASKCONNECT TRILINGUAL OBD II, CAN, ABS, AND AIRBAG SCAN TOOL

- CodeConnect® Over 26 million vehicle-specific top DTC fixes
- Ford® OBD II on demand tests (Injector buzz, KOEO, KOER, etc.)
- Battery and oil light reset
- Code criteria detailed conditions required for DTC
- Displays vehicle battery, starting, and charging voltage
- Calculates vehicle fuel mileage using MAF data
- ABS enhanced live datastream for GM[®], Ford[®] and Toyota[®]
- Transmission enhanced live Datastream for GM® and Ford®
- Engine enhanced live Datastream for GM®, Ford® and Toyota®
- EPB caliper retract for most Audi®/VW® vehicles
- Brake bleed test for Ford®, GM®, Chrysler®, and Toyota® vehicles
- Steering angle reset for GM® and Nissan® vehicles
- BMW® brake zeroing test (resets brake pad wear sensor)
- Read and erase DTCs, freeze frame, Readiness monitors, and MIL status
- · Graph and record live engine data stream
- Mode 6 data with TID and CID definitions
- Mode 5 02 monitor test results
- AutoID® automatically selects CAN vehicle make, model, year and engine
- Displays manufacturer-specific code definitions
- Meets the latest OBD II standards for light-duty, diesel, and hybrid vehicles
- Component locator describes vehicle component locations
- Drive cycle monitors readiness in real-time

CodeConnect is a registered trademar

ET1210ANX

MAC TASKPLUS® OBD II SCAN TOOL

- OBD II codes and definitions for all 1996 and newer vehicles
- ABS codes and definitions for most GM®, Ford®, Chrysler®, Toyota®, Honda®, Nissan®, and Hyundai® vehicles
- SRS/Airbag code and definitions for most GM®, Ford®, Chrysler®, Toyota®, Honda®, Nissan®, and Hyundai® vehicles
- Displays vehicle battery, starting, and charging voltage
- · Live engine data stream for all OBD II vehicles
- Graph and record live engine data stream
- Displays manufacturer-specific code definitions
- Meets the latest OBD II standards for light-duty trucks, diesel, and hybrid vehicles
- Automatically reads DTCs when connected for fast diagnostics
- · Bright, color screen for easy viewing
- · Read/erase DTCs and turn off the check engine light
- AutoID[®] automatically selects vehicle make, model, year and engine
- 4' OBD II cable (attached)
- View MIL status
- Displays VIN and readiness monitors
- · Reads pending codes and permanent codes
- · Read/erase freeze-frame data





ET110ANX

TASKCODE® OBD II SCAN TOOL

- OBD II codes and definitions for all 1996 and newer vehicles
- ABS codes and definitions for most 1996-2013 GM[®], Ford[®] Chrysler®, Toyota®, Honda®, Nissan®, and Hyundai® vehicles
- Live engine data stream for all OBD II vehicles
 Large screen displays multiple lines of data for ease of use
- Meets the latest OBD II standards for light-duty trucks, diesel, and hybrid vehicles
- Automatically reads DTCs when connected for fast diagnostics
- Read/erase DTCs and turn off the check engine light
- 4' OBD II cable (attached)
- View MIL status
- · Displays VIN and readiness monitors
- · Reads pending codes and permanent codes
- · Read/erase freeze frame data



WARNING: Cancer and Reproductive Harm - p65warnings.ca.gov For more info click-on MACTOOLS.COM/PROP65

SCAN TOOLS CODE READERS



ET40M (NOT SHOWN)

2.4" SINGLE GRAPH **MULTIPURPOSE CODE READER**

ET50M

2.8" TWO GRAPH **MULTIPURPOSE** CODE READER

ETGOM (NOT SHOWN)

2.8" TWO GRAPH **RECORD AND PLAY BACK CODE READER**



4" FOUR GRAPH ABS. AND SRS RESET **CODE READER**

ET80M (NOT SHOWN)

4" FOUR GRAPH OIL LIGHT. EPB, SAS, BMS, AND DPF RESET CODE READER

ET90MP (NOT SHOWN)

4" FOUR GRAPH OIL LIGHT, ABS, SRS, EPB, SAS, BMS, AND DPF RESET CODE READER

ALL UNITS FEATURES:

- Color Screen
- DTC Help
- I/M Readiness
- Freeze Frame
- Data Stream
- Accelerated Data Refresh
- VIN Lockup
- Manufacturer Specific DTCs
- DTC Lookup (P,C,B,U)
- Multilingual Support
- Internet Updatable

PRODUCT #	ET40M	ET50M	ET60M	ET70M	ET80M	ET90M
Screen Size	2.4"	2.8"	2.8"	4"	4"	4"
Data Graphing	1 Graph	2 Graphs	2 Graphs	4 Graphs	4 Graphs	4 Graphs
All Modes OBD II (1-10)		•	•	•	•	•
02 Sensor and Evap Test		•	•	•	•	•
On-Board Monitoring Test Results		•	•	•	•	•
Diesel Emission Support				•	•	•
Record and Playback Data			•	•	•	•
Print via PC			•	•	•	•
Oil Light Reset					•	•
ABS (Anti-lock Brake System)				•		•
ABS Bleeding (Anti-lock Brake System)					•	•
SRS (Supplemental Restraint System)				•		•
EPB Reset (Electronic Parking Brake)					•	•
SAS Reset (Steering Angle Sensor)					•	•
BMS Reset (Battery Management)					•	•
DPF Reset (Diesel Particle Filter)					•	•
Storage Case Included				•	•	•

ETHDM

MILLENNIUM HD PRO

Millennium HD Pro, a new generation heavy-duty DPF tool, is specially designed for the North America market. It has integrated DPF function with read and clear DTCs, read freeze frame, read vehicle information, graphic display and basic functions.

FEATURES:

- For gasoline vehicles (I/M Readiness, O2 sensor test and EVAP test), Read and Clears DTCs, Reads Vehicle Information, and Graphic Display
- For heavy duty vehicles (J1708 AND J1939) Read and Clears DTCs, and Data Stream
- Supports Caterpillar Coverage
- Supports regen command for most makes and models
- Includes 6 pin, Type II 9 PIN, and 16 pin adapters
- English, Spanish, and French
- · Free lifetime updates



SCANTOOLS ECU REFLASHING



MONGOOSEPRO REFLASH CABLE

- MongoosePro OEM Specific J2534 Interfaces
- Mongoose is a USB interface that connects directly to the vehicle for reprogramming and diagnostics
- Supports Tech2WIN diagnostics

PRODUCT #	DESCRIPTION
MGOOSEPROGM	GM®-only Reflash Cable
MGOOSEPROFORD	Ford®-only Reflash Cable
MGOOSEPROCHRY	Chrysler®-only Reflash Cable
MGOOSEPROTOYO	Toyota®-only Reflash Cable
MGOOSEPROJLR	Jaguar®-Land Rover® Reflash Cable
MGOOSEPROHOND	Honda® Reflash Cable
MGOOSEPROVW	Audi® and VW® Reflash Cable

ET0525

ECU REFLASH DRIVE

- Perform dealer-level pass thru programming for both repairs and routine maintenance
- OEM J-2534 application supports both J2534-1 and J-2534-2 and more than thirty-six OEMs
- Perform J2534 reflashes
- Supported BUS Protocols: CAN/ISO 15765/GMLAN, 2nd CAN (Dual or Single Wire), Ford® SCP (J1850PWM), GM Class 2 (J1850VPW), Chrysler® SCI (J2610), KWP2000 (ISO9141/14230)
- Includes support for GM® Tech2WIN providing Tech 2 diagnostic software for PC and GM® TIS Tech2WIN subscription
- Compliant to SAE J2534 (Feb 2002), SAE J2534-1 (Dec 2004), and ISO 22900-1 MVCI Physical Layer
- J2534-2 extensions: Single Wire CAN, CAN Mixed Mode, and Pin Switching



SOFTWARE INCLUDES:

Flashing manufacturer how-to videos, Links to OEM J2534 websites, Daily news of current and open OEM issues that affect flashing capabilities, OEM Flashing FAQ's, J2534 industry announcements, Access to webinars

INCLUDES:

- [1] Exclusive 2-Year Warranty
- (1) BMW 20-Pin Adapter, Free Phone Support from J2534 Specialists



CARDAQ-PLUS-KIT CARDAQ-PLUS 2®

The CarDAQ-Plus2® is the next generation Drew Technologies J2534-1 and J2534-2 device with advanced support for J2534 vO5.00 and DoIP. In addition, it features High Speed USB and support for global vehicles. Drew Technologies fully tests our devices for compliance and meet all of today's SAE J2534 standards. OEM's globally trust Drew Technologies and approve our tools for their dealerships as well as their Engineering uses, such as: testing, software development, EOL testing, and more. Consider Drew Technologies for your custom solutions needs too.

- All-makes, all-model SAE J2534 reprogramming (OEM Websites, click HERE)
- OEM subscription prices, click HERE
- SAE J2534-1: CarDAQ-PLUS 2 is the most advanced device for reprogramming of ALL OEM with the use of their OEM provided
- SAE J2534-2: CarDAQ-PLUS 2 offers extra J2534-2 support that expands reprogramming beyond just the Engine/Trans modules for GM°, Ford°, Chrysler°, Toyota°, Honda°, Audi°, VW°, BMW®, Volvo® and more



CBL-BMW-KIT ADAPTER KIT FOR BMW

- · 2 adapters that allow attachment of the CarDAQ OBDII cable to BMW® specific connectors:
- 20-pin BMW® cable
- 7-8 pin adapter







EM823

ADVANCED DIGITAL MULTIMETER

- Electric measure
- · Battery and charging system analysis
- Advanced measure for sensor and actuators
- Conventional ignition test
- Pulse width: 0.5 to 250ms
- Conventional high voltage ignition analysis
- Temperature measure
- USB and Bluetooth® Communication
- 50,000 Display Count
- True RMS

- ECU Test
- Burn Time
- · Vehicle Ground Test
- Auto Ranging
- Record-mode
- · Auto-hold and Hold functions
- · Adjustable Trigger Mode
- · Analog Bar-Graph
- Backlit Display • CAT III 1000V



- Electric Motor Test
- Ignition Peak V Ignition

- MAX / MIN! AVG

- Electric measure · Advanced measure for
 - sensor and actuators
 - Conventional ignition test
 - Temperature measure
 - USB connected
 - Display Count: 4,000
 - True RMS

EM721

 Performs diode and continuity tests



Pulse Width: 0.1 to 1999.9ms

- Autoranging
- Relative
- Min/Max/Average
- Adjustable trigger mode
- Analog Bar-Graph
- USB communication
- Backlit display
- CAT III 1000V





EM680

INSULATION TESTING DIGITAL MULTIMETER

- Unit measures current, voltage, resistance, frequency, and continuity as well as performing diode and insulation tests
- Resistance: $0\Omega 40M\Omega$
- Frequency: 1Hz 100kHz
- Insulation Test Voltages: 250V, 500V, 1000V



EM720T

SMART DIGITAL MULTIMETER

- Automatic selection—no need to select AC or DC voltage, continuity, resistance, frequency
- · Amp Direct Reading: no need to calculate the value, it's directly shown, reducing the risk of a short circuit
- Dual-line LCD screen with backlight: more information (Voltage and frequency in the same time)
- CAT III 600V



EM112

AUTO METER

- Check electric line, immediately find faulty connections
- DC measure up to 49V for all the automotive measures
- Line test—Detects faulty connections in electric circuits
- PWM / MLI signal detector automatically indicates when measuring a square signal used to command idle actuator, turbo wastage, EGR, and Canister valve
- Measure resistance up to 40 $M\Omega$ when testing ignition coil, most of sensors
- · Continuity signal alarm when testing lamps, fuse, connector, and switches





EM111 **AC/DC LARGE RANGE CURRENT AMP PROBE**

- Measures current from 20A to 1500A
- No need to open the circuit, no need electric contact
- For AC and DC current
- Can be used with all DMMs
- For automotive and industrial maintenance
- Able to check engine cranking current or charging current on light vehicle and truck

CURRENT AMP PROBE

- Measures current from 5 mA to 30A
- including AC/DC mV function
- For all diagnostic specialist



EM720C

SMART DIGITAL CLAMP METER

- Smart automatic detection:
 No need to select AC or DC volts or resistance.
 Tester selects the right setting automatically
- Large amp range capability: TRMS AC and DC up to 600A
- Cat IV 600V

NOID LIGHT TEST KITS



- Detects whether the EFI system or idle air control are possible faults on no-start vehicles
- Once you disconnect the fuel injectors, plug in a noid light, and crank the engine, a flashing light indicates normal pulsing voltage
- Applications: GM® PFI, Ford® TBI, Geo® TBI, Bosch® PFI, GM® TBI, GM® SCPI, and now new applications of Bosch® 2 and Multec® 2, plus two GM® IAC testers (flat and square four connector applications) with red and green LEDs

INCLUDES:

- (1) Harness Extension
- (1) Blow-Molded Case

PRODUCT #	DESCRIPTION	S	ET			
ET3055D	Noid Light/IAC Test Kit					
ET3051D	Noid Light Test Kit					
ET3055D-1	GM® TBI PFI with Flat 4-Pin		•			
ET3055D-2	GM® TBI PFI with Square Pin		•			
ET3055D-3	Geo® TBI Noid Light	•	•			
ET3055D-4	GM® TBI Noid Light	•	•			
ET3055D-5	SM SCPI	•	•			
ET3055D-6	GM® Multitech 2	•	•			
ET3055D-7	Bosch® PFI Noid Light	•	•			
ET3055D-8	Bosch® 2 Noid Light	•	•			
ET3055D-9	GM® PFI	•	•			
ET3055D-10	Ford® TBI Noid Light	•				





CORDLESS CIRCUIT TESTER

- Detects 3-28V DC
- · Removable wire holder helpspierce small, hard-to-hold wires
- Low current draw is safe for ECMs, sensors, transducers, etc.
- No ground wire or clip required
- Audible and visual voltage indicator
- · Replaceable long-life alkaline batteries (2 x size N) included



ET348X

INTEGRATED TEST LIGHT/VOLTMETER

- Interchangeable probe circuit tester with an easy-to-read back lit LCD that displays voltage reading (3-48V range)
- · Equipped with a wide assortment of probes, slip-on adapters, and clips, this tool makes it easy to access even the hardest-to-reach areas of today's vehicles

- (1) 12' High Visibility Retracting Ground Lead
- (2) Interchangeable Probes
- (1) Handle with LCD Voltage Display Unit
- (1) Blow-Molded Case (Not Shown)



ET28830

DIGITAL CIRCUIT TESTER

- Heavy-duty circuit tester with digital LCD display to accurately show DC voltage
- Two LEDs provide 360° visibility of polarity: red light indicates positive polarity, green indicates negative polarity
- 12' coiled cord
- · Heavy-duty alligator clamp for secure connections
- Probe is insulated to reduce the possibility of short-circuit with other components
- Computer safe
- Will not damage sensitive electronic components
- Operating range 3-49 volts DC to work on most vehicle electrical systems

ET115X **12/24V HOOK TIP** CIRCUIT TESTER

- Clear molded handle
- Requires just one hand to test circuits in hard-to-reach areas
- · Has 16-gauge, 44" ground wire with 50 Amp clamp
- · Use for circuits, connections. fuses, and 2-cycle engine timing









ET111X

6/12V CIRCUIT TESTER

- Circuit tester for 6V and 12V systems
- Heavy-duty coil cord extends to 12'
- Clear handle with stainless steel probe
- Permanently attached wire and spring strain relief in specially hardened molded
- Screw-on end cap for easy bulb replacement
- · 18-Gauge clip with insulating boot



6/12V SUPER SLIM CIRCUIT TESTER

- Small, ergonomic design
- High intensity bulb
- Needle-sharp, stainless steel threaded probe
- Threaded probe enables use of other screw-on type accessories
- 15' High visibility cord lead



24/36V CIRCUIT TESTER

- Circuit tester for 24V and 36V systems
- · Heavy-duty coil cord extends to 12'
- · Clear molded handle with stainless steel probe
- · Permanently attached wire and spring strain relief in hardened screw-on end cap for easy bulb replacement
- 18-Gauge clip with insulated boot



6/12/24V CIRCUIT TESTER

- · Two-color LED circuit tester for 6/12/24Vsystems
- · Heavy-duty coil extends to 12'
- Clear molded handle with stainless steel probe
- · Circuit board comes with two LEDs: one red LED to verify the tool is hooked up correctly and the other that lights either red or green to indicate a voltage or ground connection
- · LED circuit board and lead set are field replaceable



ET74-2

- **AMP HOUND LEADS** • The fastest way to measure current
- Find current in all ATM, ATO, and MAXI type fuses (most accurate on 5 -50 Amp sizes)
- Can detect currents as low as 5mA, easily find any parasitic drain
- · Never pull a fuse again to read the current
- Audible beep instantly tells you if there is any current in any circuit and provides "No Look" effortless operation
- Great for those under-dash fuse panels
- The tool is battery operated with an automatic shut-off
- Use standard test leads to touch the top of the fuse



AMP HOUND 2

- Measure automotive amperage instantly without removing the fuses
- · Audible tone lets you know when you have connection with a fuse and if there is current present in the circuit
- Snapshot Mode and Tracking Mode allow component testing and parasitic drain location
- · Special fuse adapters lock on to fuse and provide hands-free control



ET26330

LED CONTINUITY TESTER

- If the bulb lights up, continuity exists · If the bulb fails to light, the circuit is open
- · Not for use on live circuits, but incidental contact with 12V supply will not burn out LED bulb

ET64970

PARASITIC DRAW TESTER

Replaceable in-line fuses protect both the meter and tester in the event a high current source on the vehicle is left on. The multimeter is bypassed with the switch during connection in case of a power surge. The tester and meter can remain connected until other computer systems shut down, isolating the drain. As a convenience, stacking banana connectors are used on the tester. This allows voltage to be measured on various locations on the vehicle during the drain test, using standard test leads.











IT80400 **HIGH ENERGY IGNITION TESTER**

- · Safely check spark on any ignition system
- · Sealed chamber reduces the risk of fires around high pressure fuel injection systems or marine use



ET96019

ADJUSTABLE IGNITION SPARK TESTER

- · Adjustable gap allows for different spark gap requirements of different ignition systems, from 0 to 40,000V
- · Screw assembly adjusts spark gap
- Gauge background
- Alligator clip



INLINE SPARK TESTER

- Visually check the ignition system
- · Connect the tool between the spark plug and the plug wire
- · Double-ended to offer a straight boot and a 90° boot on one tool
- · With the engine running, the tool flashes a mirror image of ignition spark



SPARK TESTER

- Tests spark plugs, spark plug wires, and coils without puncturing the wire
- With engine running, place the grooved end of the tool over the plug wire
- · The bulb will flash to indicate spark



ET76562

COIL-ON-PLUG (COP) **QUICK PROBE VS**

- · Easily and quickly determine if a COP is producing a proper spark for the plug
- · Eliminates the need for back-probing coil wires and disassembly to test at the coil connector or spark plug
- · Variable sensitivity (VS) for greater diagnostic accuracy and expanded application coverage



- · Quickly determine if a fuel injector is firing by detecting a mechanical vibration, such as a fuel injector's pintle movement
- · Works on gas and diesel engines
- No hunting for injector wires to test at the connector or injector removal required
- The probe is specifically designed to detect the vibrations emitted when the injector fires





TIMING LIGHT AND MEMORY SAVERS



TIMING LIGHT STANDARD FEATURES:

- · All metal inductive pickup
- · Super bright xenon flash
- · Removable leads with positive twist-lock connector
- · One touch control
- Durable, plated ABS housing
- · Over-molded grips
- · Heat-resistant over-molding on clips
- · Blow-molded case

TL550E

ADVANCE TIMING LIGHT

ADDITIONAL FEATURES:

· Adjustable knob measures centrifugal, vacuum, and computer advance



AUTO MEMORY SAVER

- Prevents the loss of electronic memory when disconnecting the vehicle's battery
- High visibility coiled cord stretches to 8'
- Easy storage in tool box
- OBD II connection uses positive and ground pins only, will not interfere with fault codes
- · Coiled cord prevents tangles

ME900

9V POWER PORT MEMORY SAVER

- Designed to maintain the memory of the on-board vehicle computer (CCU) when battery is disconnected
- Prevents loss of certain drivability codes, keyless entry codes, digital radio settings, cellular phone settings and other memory related functions
- Prevents loss of radio function on anti-theft radio systems
- Use with 9V alkaline battery (not included)

DIGITAL MULITMETERS TEST LEADS AND ACCESSORIES



ET96059

JUMPER LEAD SET

· Set includes most of the popular leads and clips used for electronic component diagnostics

INCLUDES:

- (2) Sets of 30" jumper twins
- (1) Test lead set 50"
- (4) Signal probes
- (2) Ground leads 24"
- (4) #60 Alligator clips
- (2) 20 Amp test clips
- (2) General test clips
- (1) Nylon zippered pouch

ET95902

CUSTOM AUTO TEST LEAD KIT

An assortment of the most common leads, probes, and clips

- (1) 20-Amp Insulated 48" Silicone 4mm Lead Assembly (Red)
- (1) 20-Amp Insulated 48" Silicone 4mm Lead Assembly (Black)
- (1) Short Steel Tipped Probe (Red)
- (1) Short Steel Tipped Probe (Black)
- (1) Cable Piercer (Black)
- (1) Cable Piercer (Red)
- (1) Back Probe (Red)
- (1) Back Probe (Black)
- (1) Fully Insulated Flanged Crocodile Clip (Red)
- (1) Fully Insulated Flanged Crocodile Clip (Black)
- (1) Four-Pocket Organizer



ET95961 SUPER-DUTY **TEST LEADS**

- · Cords stretch to 48" long
- · Copper-plated test clips with heavy-duty insulated boots



ET95924 **INSULATION PIERCING** TEST LEAD/PLUG

- Cords stretch to 48" long
- · Nickel-plated brass body, nickelplated phosphor bronze springs, plastic handles, and solderless
- Nickel-silver hook contact is spring-loaded for strong clamp-on action



ET96072 **JUMPER TWINS**

• Features 30" highly insulated wire-jacketed leads with alligator clips on both ends



ET95922 **HI-VISIBILITY MULTIMETER COIL CORD LEADS**

- Coiled cords stretch to over 60" long
- Non-slip prodding probe with stainless steel point and removable alligator clips for each end



ET95959 **HI-VISIBILITY COIL CORD LEAD**

- Coiled cords stretch to over 60" long
- Insulated alligator clips on both ends



ET96471 **48" SILICONE TEST LEADS**

• 3.8mm Outside diameter leads are rated to maximum 1,000V/10 Amp



ET96470 **FULLY INSULATED CROCODILE CLIPS**

- · Fully insulated jaws
- Maximum voltage/amperage: 1,000V/32 Amp
- Wide opening jaws
- Connection type is 0.16" (4mm) female banana plug



INCLUDES: (1) Cable Piercer (Red)

- (1) Cable Piercer (Black)



- 48" Silicone 4mm Test Lead Sets
- (2) Insulated Flanged Crocodile Clips
- (2) Back Probes
- (2) Cable Piercers
- (1) 10-Amp In-Line Fuse Link
- (2) Bed-Of-Nails Clips

DIGITAL MULITMETERS TEST LEADS AND ACCESSORIES



7-PC. 15' RETRACTABLE **TEST LEAD SET WITH BANANA PLUGS**

ET95910 (NOT SHOWN) 3 X 10' RETRACTABLE **TEST LEADS**

ET95912 (NOT SHOWN) 2 X 30' RETRACTABLE **TEST LEADS**



ET95917 (NOT SHOWN)

2 X 30' RETRACTABLE **TEST LEADS WITH** MAGNET

ET95947 (NOT SHOWN) 30' RETRACTABLE **TEST LEADS**

ET96074 3 X 10' RETRACTABLE **TEST LEADS WITH** MAGNET

PRODUCT #	RTL1176A	ET95910	ET95912	ET95917	ET95947	ET96074
Used for testing electrical circuits	•	•	•	•	•	•
Retractable leads extend and lock at a desired length	•	•	•	•	•	•
Rewind test lead into its own protective case when not in use	•	•	•	•	•	•
Features insulated alligator clips	•	•	•	•	•	•
18-Gauge copper wire		•	•	•	•	•
Three different color wires for easy identification		•				•
Body has magnets for adhering to ferrous surfaces				•		•



ET96473 **AUTO BACK PROBING CONNECT KIT**

- · Compliments any standard multimeter by adding insulation-piercing and 90° back probe leads
- Piercers are 3-1/8" in length
- · Short back probe wires are 11-1/2" long
- · Long test leads are 52" long

INCLUDES:

- (2) Insulation-Piercing Test lead Clips
- (2) Right Angle Back Probe Test Lead Clips
- (2) Silicone Test Leads



RIGHT ANGLE BACK PROBES

- · Unique right angle back probe design enables connectivity in confined areas
- High-flex silicone wire for superior heat and chemical resistance
- Modular design is compatible with any industry standard
- 4mm shrouded banana plug test lead

ET96469 **BACK PROBES**

- Flexible and formable 3/4" pin provides an easy connection past weather pack seals to connector conductors
- Tested to 60V DC
- Connection type is 0.16" (4mm) female banana plug



OEM MODULAR TEST PROBE SET

- · Sharp steel points
- Maximum voltage/amperage: 1,000V/10 Amp
- Connection type is 0.16" (4mm) female banana plug







MASTER BACK PROBE TEST KIT

- · Eliminates damaged connector terminals that result from testing with standard test probe
- · Flexible joint to connect in tight locations

ADAPTERS INCLUDED FOR:

Packard Weather-Pack, Metri-Pack, and Micro-Pack connectors



MINI CABLE PIERCERS

- · Quick and reliable access
- For cables ø1.0 2.5mm
- · Standard 4mm socket to rear
- · Recommended for safe voltage piercing only (600V maximum)

INCLUDES:

- (1) Mini Cable Piercer (Red)
- (1) Mini Cable Piercer (Blue)
- (1) Mini Cable Piercer (Green)
- (1) Mini Cable Piercer (Yellow)

ET95923 **EASY ACCESS BACK PROBES**

- · Perfect for connecting to fuel injectors, MAP, and TPS sensors
- Impervious to extreme temperatures and automotive solvents

INCLUDES:

- [2] 1/32" Back Probe Pins (Yellow)
- [2] 1/32" Back Probe Pins (Green)
- (2) 1/32" Back Probe Pins (Red)
- (2) 1/32" Back Probe Pins (Blue)



ET95904

EASY ACCESS 76" BACK PROBE KIT FOR SCOPE

- Back probe pins 0.028" / 7mm OD
- Extra-long, 76" double-insulated silicone test leads (rated 1000V CAT III, 20 Amp)

INCLUDES:

- (1) Extra Long Test Lead (Green)
- (1) Extra Long Test Lead (Yellow)
- (1) Extra Long Test Lead (Blue)
- (1) Extra Long Test Lead (Red)
- [1] Back Probe Pins (Yellow)
- (1) Back Probe Pins (Green)
- (1) 1/32" Back Probe Pins (Blue)
- [1] 1/32" Back Probe Pins (Red).



ET95913

EASY ACCESS 76" BACK PROBE KIT

- Back probe pins 0.028" / 7mm 0D
- Extra-long, 76" double-insulated silicone test leads (rated 1000V CAT III, 20 Amp)

INCLUDES:

- (1) Extra Long Test Lead (Green)
- (1) Extra Long Test Lead (Yellow)
- (2) Back Probe Pins (Yellow)
- (2) Back Probe Pins (Green)



ET32150 **POWER GROUND OUTLET**

- Convenient electrical ground and power source from the vehicle
- Plugs into power accessory receptacle



ET96041 **UNIVERSAL MAGNETIC GROUND LUG**

- Stop searching for a good place to clip your test equipment ground leads
- Attaches to any metal surface





FUSE BLOCK CONNECTORS

- Fits all Maxi, ATO, and mini size automotive blade style fuse block connectors
- Plated contacts for extra conductivity and durability
- Connector tabs fit 1/4" female guick connects or standard alligator clips



ET95911 SIGNAL BACK **PROBE PIN**

· Insulating collar to help eliminate grounding

INCLUDES:

(4) Back Probe Pins (Yellow)





POWER PROBE® POWER PROBE® AND ACCESSORIES



PWPPPKIT03S

POWER PROBE® MASTER COMBO KIT WITH CIRCUIT TRACER

- · Supplies Power and Ground
- Engineered to work on all 12-24VDC systems
- Easy to read backlit voltmeter reads voltage in 1/10th volt
- LED's Indicate Direction to a Short Circuit
- Tone Signal Injection & Wireless Tracing
- Makes locating shorts and open circuits easier
- Various Lengths 10 Gauge Leads and 4mm Gold Plated plugs & jacks
- Multi Strand Flexible Insulated Test Leads and Stackable 4mm Banana Plugs



- High current 10-gauge multi-strand leads
- and gold-plated electrical connectors
- The super flexible leads come in lengths of 1!, 3', and 6' and are stackable, giving the technician greater flexibility
- · Large and small probes can pierce and center wires from 28- to 8-gauge



PWPECT3000B

2-PC POWER PROBE® CIRCUIT TRACER

- · Transmits a signal into an isolated circuit (shorted or open) and traces the direction to the problem
- · Allows users to see the distance from the wire being traced and the direction to the short.
- · Auto-signal locking feature eases first-time use and eliminates the need to remove interior trims and carpets



PWPPP3LS01

POWER PROBE® III AND LEAD SET KIT

INCLUDES:

- (1) PWPPP319FTC Power Probe® III
- PWPPPLS01 Power Probe® Lead Set

PWPPP319FTC

POWER PROBE® III

- · Heavy-duty wiring to withstand the toughest repair shop wear and tear
- · Audio signals indicates positive and negative
- · Bad ground and short circuit indicator
- · Continuity and component tester
- Input resistance 100KQ Input current @12V 0.12ma @24v 0.24ma

PWPPPMTKIT-01 **POWER PROBE®** MICRO TORCH KIT

- Small in size, big on features, and easy-to-use
- 120W, 580 BTU
- · Soldering, stubborn fasteners, plastic forming, cutting tool
- Light brazing (radiator repair, small pipe fittings, etc.)

INCLUDES:

- (1) **PWPPPMT** Micro Torch
- (1) Soldering tip
- (1) Injection tip
- (1) Hot knife
- (1) Heat shield
- (1) Tube of solder



PWPPPMT

POWER PROBE® MICRO TORCH

- Small in size and big on features, lightweight and easy-to-use
- Diamond-knurled grip and all metal housing are tough and durable
- Compact to fit in your toolbox but large enough to get the job done
- Soldering: light brazing: stubborn fasteners; plastic forming; cutting tool; jewelry repair; arts and crafts; lighting BBQs, fireworks, candles, pilot lights, etc.
- Electronic ignition
- Will light upside down, making it easy to work under places such as the kitchen sink or the car



PWPPPSK

POWER PROBE® SOLDER KIT

- Easy start electronic ignition
- · Converts into a torch in seconds
- Butane powered no cords or batteries
- Adjustable temperature control
- · Multiple tips for shrink wrapping, hot-air injection, cutting, and soldering
- · Refills in seconds
- Maximum torch temp- 2500°F Maximum soldering temp - 950°F
- 120W, 580 BTU

INCLUDES:

- (1) Torch
- (1) Solder Tip
- (1) Heat Injection Tip
- (1) Heat Shield for Shrink Tubing
- (1) Blow-Molded Case with Organizer



FF310

SHORT/OPEN FAULT FINDER 42V

- Sensor detects wires up to 12" away
- · Long flexible antenna allows accurate tracking in hard-to-reach areas
- · Automatic short and open circuit detection
- Auto polarity with voltage surge protection
- 42V-Ready® for 6 to 42 VDC circuits
- Three selectable sensitivity levels
- Short and Open circuit indicator LEDs
- · Audible indicator 18" HPN cables



FS21250

FINGER SAVER WIRE PIERCING GUIDE

- · Quickly, easily, and safely guides the pick point of any circuit tester into center of all primary automotive electrical wire
- Holds circuit tester in position allowing work with both hands free
- Impervious to gasoline, oil, thinners. and other shop chemicals
- · Stores on ground wire of circuit tester

RELAY SERVICE KITS RELAY AND FUSE TESTERS

RTJ103A

MASTER RELAY AND FUSED CIRCUIT TEST KIT

- Jumpers have tabs for clamping and flat pads to place test leads on
- No need to pierce wires or connect multiple jumper wires
- Easily and securely connect relay test jumpers to a multimeter
- Terminal Leads with Switch/Fuse/ Power provides the technician several ways to check the fuses that are in the panel
- Five wire set that fits these fuses; Female-Pal, JK, LJK, Male-L-mini, Mini, ATO, and Maxi
- One set of wires has no ends, allowing the technician to crimp any style they need
- · Different sized ends on the wires give flexibility to plug directly in the relay base or to fit other relay sizes not covered by the jumpers
- Remove any fuse and plug in the correct wire and plug the other end into a meter and take a current reading without using a clamp-on tester
- Use the on/off switch to control a circuit
- Test before or after the switch by using the stacking banana plugs
- The power lead can apply external power to only the circuit that you are working on
- There are two 3-1/2' extensions to be used if you are controlling a circuit while the vehicle is on a hoist
- The in-line fuse holder (common ATO fuse style) protects the circuit and meter when testing
- · Relay Puller Pliers for removing electrical relays on most domestic and import vehicles
- · Offset handle and thin tips allow access to relays in confined areas
- Specially designed tips are angled to fit slots or the edge of the relay cover
- · Allows the relay to pop free from the socket with less chance of damaging the relay cover

RTJ103 RELAY TEST JUMPER MASTER KIT





PRODUCT #	DESCRIPTION SE		TS	
RTJ103A	Master Relay and Fused Circuit Test Kit			
RTJ103	Relay Test Jumper Master Kit			
LIS69250	Fused Power Switch/Leads		•	
RPP46950	Relay Puller Pliers	•	•	
LIS56820	Yellow Relay Tester	•	•	
LIS56830	Red Relay Tester	•	•	
LIS56840	Blue Relay Tester	•	•	
LIS56850	Green Relay Tester	•	•	
LIS60620	Orange Relay Tester	•	•	
LIS60630	White Relay Tester	•	•	
LIS60640	Purple Relay Tester	Purple Relay Tester •		
LIS60650	Gray Relay Tester	•	•	
LIS69260	Swith with Banana		•	
LIS69270	4mm Banaa To Alig Clamp		•	
LIS69280	Red 4mm Banana to 1/4" FE Term		•	
LIS69290	Green 4mm Banan to 1/4" Male		•	
LIS69310	Yellow 4mm Banana to Male Spade		•	
LIS69320	Blue 4mm Banana to Male Spade		•	
LIS69330	Black 4mm Banana to Wire End		•	
LIS69340	Banana Male With Inline Fuse		•	
LIS69350	Female to 4mm Male Extension		•	
LIS69210	Orange Pin Tip Banana	•	•	



RELAY CIRCUIT TESTER

- · Can test an entire circuit from the battery to the component in question, as well as determining if the relay itself is functioning properly
- · Gives the technician the ability to instantly determine the problem within a tested circuit
- · Identifies at the push of a button if a wire, a part, or a relay is defective, without the use of a multimeter
- · Easily accessible ports for use with other diagnostic tools
- · Tester can jump the relay allowing the technician to use it as a remote control starter in engine work like compression testing, distributor, or camshaft adjusting, or to run the compressor during an A/C charge
- Works with both 12- and 24-volt systems

PRODUCT #	DESCRIPTION
RCT105A-1	5-PIN Bosch® Adapter
RCT105A-2	5-Prong (Small Pin)
RCT105A-3	5-Prong (Small Pin)
RCT105A-4	Universal Pig Tail
RCT105A-5	4-Prong (Rectangular)
RCT105A-6	4-Prong (Rectangle Large Pin)
RCT105A-7	4-Prong (Square Adapter)
RCT105A-8	Relay Tester Unit
RCT105A-9	Blow-Mold Case



ET9039 MASTER RELAY SET AND BYPASSES

- Jumpers have tabs for clamping and flat pads to place test leads on
- No need to pierce wires or connect multiple jumper wires
- The Test Lead Kit easily and securely connects relay test jumpers to a multimeter
- Jumper wire may be used between common and open to close the relay circuit for testing and has a test port to easily check voltage
- Provides access for a clamp-on amp meter
- Relay puller pliers easily remove electrical relays without damage to the relay or electrical box
- The relay bypass switch plugs in place of the fuel pump relay and provides direct control over the fuel pump circuit
- Actuates fuel pump when the engine is not running
- · Plugs in place of relay
- Controls fuel pump independent of "key on" systems
- Operating range: 20A continuous, 30A surge (12V)

INCLUDES:

- (1) Rectangular Relay
- (1) Green Jumper
- (1) Large Square Relay
- (1) Purple Jumper
- (1) Round R ade Relay
- (1) Orange Jumper
- [1] Medium Spade Relay
- (1) Grey Jumper
- [1] Small Spade Relay
- (2) Orange Banana Plug Adapters
- (1) Relay Puller Pliers
- (1) Terminal to Yellow Plug
- (1) Blue Jumper
- (1) Y-Terminal to Green Plug
- (1) White Jumper
- (1) Yellow Jumper







ET9037

RELAY BYPASS SET II

- Provides direct control over relay circuit
- Verify load
- Isolate electrical components
- · Plugs in place of relay
- · Provides manual control of circuit
- Helps identify bad relays, control switches, open circuits, electrical equipment, and power feed
- Operating range: 20-amp continuous, 30-amp surge (12V)



ET9038

6-PC. MASTER RELAY BYPASS SWITCH COMBO SET

- Combines ET9036 and ET9037 into one convenient master kit
- Plugs in place of the fuel pump relay and provides direct control over the fuel pump circuit
- Can be used to actuate the fuel pump when the engine is not running, allowing the fuel pressure to be read
- Operating range: 20-amp continuous,30-amp surge (12V)
- Controls fuel pump independent of "key on" systems
- Covers most domestic, Japanese, Korean, and German applications



3-PC. RELAY BYPASS KIT

- Provides direct control over a relay circuit to operate components within the circuit with the push of a switch
- Easy-to-use, the relay bypass switches are not pole sensitive making them a plug-and-play solution
- Commonly used on circuits for fuel pumps and fan motors, the relay bypass switch allows the technician to isolate electrical components to troubleshoot circuit failure
- Plugs in place of relay
- · Provides manual control of circuit
- Helps identify bad relays, control switches, open circuits, electrical equipment, and power feed
- Operating range: 20 Amp continuous, 30 Amp surge (12V)

APPLICATIONS:

- Small spade relay: 2000 and newer model USA, Korean, and Japanese applications
- Medium spade relay: common relay for applications spanning most makes and models from the late 1970s through 2009
- Large spade relay: late model USA and Japanese vehicles



ET9038A

6-PC. MASTER RELAY BYPASS SWITCH SET WITH AMP LOOP

- The Relay Bypass Switch with Amp Loop energizes fuel pumps and any 12V relay by powering a DC motor for testing. It also makes DC motor actuation and current monitoring easy. By attaching an Amp Clamp or Lab Scope, you can monitor the current or amperage readings. It allows a technician to judge the health of the DC electric motor to identify if a motor is drawing more current than specified, or if the current load is inconsistent during operation.
- Control relay circuit independent of "keyon/key-off" systems
- Run all automotive, 12V DC motors with a push of a switch
- · Simplifies fuel injection testing
- Use in conjunction with clamp-on Amp Probes and Lab Scopes
- Operating range: Up to 20 amp continuous, 30 amp surge (12V)
- · Covers most makes and models

RELAY AND FUSE TESTERS



ET8017 FUSE-SAVER MASTER KIT

- Provides a fast and safe solution to the old methods of "smoke testing" a short
- Simply attach the desired breaker handle to the 10' cable and install into the fuse box, then begin shaking wiring harnesses, disconnecting electrical equipment, and other methods to find the source of a short circuit or overload condition
- Allows the technician to move around the vehicle and shake test wires while looking for a short circuit
- Dual-type fuse box connector with 10' cord helps ease installation of radios, CD players, radar detectors, and other accessory equipment
- Chase down short circuits without replacing blown fuses

INCLUDES:

- [5] Specific Fuse Type Adapters
- (1) Blow-Molded Storage Case



ET8005

FUSE SAVER

- Chase down short circuits without replacing fuses
- Three resetting color matching breaker handles: 10, 15, and 20 amps
- Allows you to move around the vehicle shake-testing wires while looking for shorts
- · Finds short circuits fast
- · No more overheating fuse boxes



RPP46950 RELAY PULLER PLIERS

- Offset handle and thin tips allow access to relays in confined areas
- Specifically designed tips are angled to fit slots or edge of relay cover
- This allows relay to pop free from socket with less chance of damaging the relay
- Also works on many heavy-duty and industrial applications



TEST LEAD KIT WITH POUCH

- Interchangeable probes for a wide range of testing possibilities
- Compatible with most multimeters and scopes with standard 4mm connectors

INCLUDES

- (2) 43" Long 4mm Banana Test Leads with Straight and 90° Connections
- (1) Test Probes
- (1) Long Back Probes
- (1) Safety Test Probes
- (2).Crocodile Clips
- (1) Female-To-Female Adapters
- (1) Male-To-Female Adapters
- (2) Small Alligator Clip with Male Banana and Slotted Ring Adapters



ET64900 BACK PROBE/CLIP SET

- Straight, 45°, and 90° back probe pins with 4mm standard female banana plug connectors
- Angled probes for accessing hard-to-reach connectors
- No need to disconnect the terminal and connector
- Alligator clips with 4mm male banana connectors provide a connection to multimeter probes
- Probes are fully insulated, providing added protection
- For use up to 30V

INCLUDES:

.027 and .040 Diameter Pins



LIS69250 **FUSED POWER** SWITCH/LEADS

- Provides easy access to check current or voltage on nearly all of the fuses and relays used on vehicles today
- · Circuit access on many of the fuses used on vehicles today, such as the Female-Pal, JK, LJK, Male-L-mini, Mini, ATO, and Maxi
- Testing of relay configurations not covered by our eight Relay Test Jumpers; for example, relays found on Volkswagen®, BMW®, and other European vehicles
- · Many electrical panels have an access port for the relay, so the lead can be plugged directly in to control the circuit
- · Provides series break-in point to use multimeter for current testing
- In-line ATO fuse holder, to protect your meter and the circuit on the vehicle
- · An ATO circuit breaker fuse can also be used to eliminate replacing fuses
- · Can be used to control the contact circuit and the coil circuit within most relays

- · Simply remove relay and insert the proper size spades into the panel
- The switch gives the ability to control the circuit on and off
- Power the circuit by using the vehicle's normal power source for the circuit, or use the power lead connected to the 12V positive side of the battery
- Stacking banana connectors on the switch allow technicians to connect a multimeter into the circuit to test the voltage or current
- · Works without piercing wires

(5) Pairs of terminal lead wires with different size male and female spade ends. (1) set that has no ends on it, allowing the technician to crimp on any style end that is needed

[2] 3-1/2' extension lead wires can be used to move the switch away from the electrical panel or to the ground when the vehicle is on a hoist

Note: Use the same size or smaller fuse than the circuit you are testing



RELAY TEST JUMPER KIT II

- · Set of four relay test jumpers make testing relays or live circuits quick and easy
- · Simply remove the relay to be tested, insert jumper instead of the relay, and insert relay on top of jumper
- · No need to pierce wires or connect multiple jumper wires
- Jumpers have tabs for clamping and flat pads to place test leads on
- Use multimeter or circuit tester to test circuit and relay
- When using the grev 4-pin jumper. be careful to align pins correctly

INCLUDES:

(4) Jumpers to Fit Many Popular Relays on Honda®, Nissan®, Toyota®, Newer Ford® and GM® Mini Micro Relays, as Well as International Trucks

RTJ101

RELAY TEST JUMPER KIT

- Set of four relay test adapters make testing relays or live circuits quick and easy
- · The most popular size relays on domestic and import vehicles
- · Simply remove the relay to be tested, insert jumper instead of the relay, and insert relay on top of jumper
- No need to pierce wires or connect multiple jumper wires
- · Jumpers have tabs for clamping and flat pads to place test leads on
- · Use multimeter or circuit tester to test circuit and relay
- When using the green 4-pin jumper, be careful to align pins correctly
- · Works great even in tight spaces





RTJ104

TEST LEAD KIT FOR **RELAY TEST JUMPERS**

- Use with RTJ101 or RTJ102 to easily and securely connect relay test jumper to a multimeter
- Can also use banana plug to pin probe adapter for use with pin probes
- Jumper wire may be used between common and open to close the relay circuit for testing and has a test port to easily check voltage
- · Provides access for a clamp-on amp meter

TIRANIESTING AND MAINTENANCE



4- AND 5-WAY PIN TRAILER HARNESS TESTER

- Easily traces each lighting function to the terminal in question
- Each LED light corresponds to the circuit being energized
- Provides an easy-to-connect ground terminal for trailer lighting set-up



4/5-PIN TOW MAINTENANCE KIT

- Clean and maintain 4/5-pin male and 4/5-pin female connectors
- Use as a preventative maintenance tool
- Tester: insert the harness checker into the connector on the tow vehicle
- As you apply power to the tail lights, turn signals, brake lights, and backup lights, the LED should illuminate
- Brake lights are shown by left and right signal indicators



4-PC. TERMINAL AND TRAILER PLUG CLEANER SET

- For removing corrosion and debris from trailer terminals and common automotive style wire connectors
- Great for use on trailer tail light assemblies
- Cleans 4-, 5-, 6-, and 7-spade pin trailer sockets (male and female)
- Extend life of trailer sockets and terminals
- Ensure better electrical connections
- Resize terminals
- Auto/industrial/marine/fleet applications
- Available individually



6-PIN TOW MAINTENANCE KIT

- Clean and maintain 6-pin round male vehicle end and 6-pin round female trailer end connectors
- Use as a preventative maintenance tool
- Tester: insert the harness checker into the connector on the tow vehicle
- As you apply power to the tail lights, turn signals, brake lights, and backup lights, the LED should illuminate
- Brake lights are shown by left and right signal indicators



7-SPADE TOW MAINTENANCE KIT

- Clean and maintain 7-spade pin male vehicle end and 7-spade pin female trailer end connectors
- Use as a preventative maintenance tool
- Tester: insert the harness checker into the connector on the tow vehicle
- As you apply power to the tail lights, turn signals, brake lights, and backup lights, the LED should illuminate
- Brake lights are shown by left and right signal indicators



7-ROUND PIN TOWING MAINTENANCE KIT

- Verify tow vehicle is sending proper signal to the connector, while cleaning tools remove corrosion and verify proper pin size on both male and female truck/trailer plugs
- Tests tractor electrical circuits
- Removes corrosion from truck and trailer connectors
- · Enhances electrical contact points
- Extends harness life
- Use as a pin wear gauge

INCLUDES:

- (1) 7-Round Pin Tractor Trailer Circuit Checker
- (1) 7-Round Pin Cleaner
- (1) 2 ml DeoxIT® Cleaner





ET8024

7-ROUND PIN TERMINAL CLEANERS (TRUCK/TRAILER)

- Precision machined cleaning tool for use with 7-round pincommercial trailer connectors
- Doubles as a pin/socket wear gauge indicating if the connection needs to be tightened or replaced
- · For male and female connections
- For tail and side marker light assemblies
- · Maintains continuity and prevents failure
- · Quickly and precisely cuts away corrosion

INCLUDES:

- (1) Male
- (1) Female 7-Round Pin Terminal Cleaner



ET8000 **3-WAY TRAILER** CONNECTOR

- Adapts 7-way spade type terminal connections to 6-round pin and 4/5-pin trailer connections
- Sealed plugs to keep road debris from corroding connections
- Winged grip for easy installation and removal



TRAILER CIRCUIT TESTERS

- Just plug the plug tester into the trailer plug socket and activate the lights, brakes, turn signal, etc.
- · Watch the LED light indicating that each circuit is complete and current is getting to the plug

PRODUCT # DISCRIPTION ET7893 7-Flat Spade Pin		TESTS			
ET7893	7-Flat Spade Pin	Trailer plug circuitry on most new light trucks, SUVs, and RVs			
ET7897	6-Way Round Pin	Trailer circuits on older, light/medium-duty trucks and RVs			

ET8043

MICRO MALE ELECTRICAL **PIN CLEANERS**

Corroded electrical connections? Many technicians report seeing electrical problems caused by corroded connectors, even in vehicles less than a year old. This first-time tool features precision files with abrasive, diamond coating and a contoured design to clean male electrical pins. The three piece set includes a leather-type holster and will clean pins ranging in size from .030"-.040", .060"-.065", and .090"-.098" - the same sizes found in most makes of cars, trucks, construction, agricultural, industrial, and military equipment.

- · Clean Deutsch, Cannon, Bullet and other round electrical pins
- · Super hard, abrasive, diamond-coating
- For a variety of industrial applications

ET8040A **FLAT TERMINAL CLEANERS PIVOT**

- Highly-durable and abrasive coatings that clean connections to reduce diagnostic guesswork and increase overall harness life
- · Works for both male and female connectors on flat (spade) pin-type terminals

INCLUDES:

(3) Large, Medium, and Small Cleaners for Most Connectors

TRAILER TESTERS CONNECTOR MAINTENANCE







6" MANTUS PLIERS

- Versatile tool featuring surgical stainless steel with serrated interlocking hands at the end of a 6" reach
- · It bites and grabs wires, gaskets, tubes, tools, terminals, etc.
- The ends double as an abrasive surface which can be used to scrape corrosion from a variety of surfaces including spade terminals, relays, fuses, and more

ET8042

12-PC. FEM BULLET **CONNECT CLEANERS**

- · Complete set of tools to clean round pin type electrical terminals commonly used in Cannon, Deutsch, bullet type and general electrical connections
- · Includes twelve individual pieces ranging in sizes from .030" -.120"
- · Diamond abrasive coating for precise cleaning, sizing and durability.
- 10 sizes with duplicate cleaners in the 0.030" and 0.040" range. Each file is marked or color coded for size.





INCLUDES: (100) 3" 5mm Swabs (100) 6" 5mm Swabs (50) 6" 8.5mm Swabs (25).6" 12mm Swabs (25) 9" 16mm Swabs (25) 9" 20mm Swabs



- · The first and only set of tools to clean every North American trailer connector
- For 4-, 5-, 6-, 7-flat/spade and 7-round trailer connectors
- Maintain continuity and prevent circuit failure
- · Clean and resize trailer pins
- Remove corrosion from connectors
- · Extend harness life
- · Use as a pin wear gauge



Covers wide range of contact sizes

- · Super hard, diamond coating is highly abrasive and durable
- Non-slip, high-viz, ergonomic handles for comfortable use
- Ultra-thin, flexible files for added functionality

APPLICATIONS:

Large spade relays. Forklift contacts. Industrial electrical contacts



ET8048

HD TRUCK CONTACT CARE

- Cleans and repairs most types of electrical connectors found on cars, trucks, and industrial equipment in North America
- · Use as both service and preventative maintenance tools
- Clean male and female connections and connectors
- For terminal sizes: .03" .25"
- Connector types: Deutsch, Cannon, 7-round pin, Bullet, Weather Pack, common ABS sensor and power connectors, trailer light connectors, and more
- Standard PM service tools
- Prevents intermittent power failures
- Extends harness life
- Ensures proper diagnostic equipment connectivity

TRAILER TESTERS MOBILE UNIVERSAL TRAILER TESTER

ET9101

7-SPADE TRAILER TESTER WITH TRAILER PLUG ADAPTER

- Test 7-spade, 6-round, 4/5-flat pin trailer harnesses
- Short circuit protection
- Turn signal simulation and power verification LED
- · Water resistant case
- Trickle charger and trailer plug adapter included
- Internal battery compartment (battery not included)

ET9102

7-WAY ROUND PIN TRAILER TESTER

- Test 7-round pin trailer harnesses
- · Short circuit protection
- Turn signal simulation and power verification LED
- Water resistant case
- Internal battery compartment (battery not included)





ET9107A

ELECTRIC BRAKE FORCE METER WITH DYNAMIC LOAD SIMULATION AND CIRCUIT TESTING

- · Brake Force Meter displays real-time, brake controller output gain and timing
- · Quickly troubleshoots electrical circuits and ground condition; use to verify that the vehicle's adaptive (speed/load sensitive) brake-controller output is functioning properly
- For use with aftermarket and integrated brake controllers
- Microprocessor controlled simulates trailer brake loads 25-ft. cable allows one-man, in-cab testing of brake controller and all truck-side tow circuits, e.g., tail lights, turn signals, electric brakes, etc.
- OEM approved



CC865

7-PIN ROUND CIRCUIT CHASER

- · Designed to quickly test tractor and trailer lighting circuits
- Allows the driver to remove a pin in the tester, bypassing a bad circuit or putting a jumper from the center pin to any circuit to power it up in emergencies
- Fourteen LEDs show power to circuit



TERMINAL REPAIR WIRE TERMINAL TOOLS AND SETS



WIRE TERMINAL TOOL KIT

- · Set of three terminal tools and handle for removing wires from terminals without damage
- Terminal tools work on conventional, Pack-Con, and Weather-Pack terminals found on many GM vehicles
- New blue terminal tool fits many Ford applications
- The handle slips over the probes to protect the technician's hand and provide extra leverage
- All terminal tools are available individually skin-packed



TT7750-4A

DEUTSCH TERMINAL TOOL

- Works on OEM electrical connectors used on trucks and equipment such as Caterpillar, Kenworth, Peterbilt, Freightliner, Mack, and more
- Also used on some Harley Davidson® connectors
- Do not twist the tool



ECS37 **ELECTRICAL CONNECTOR SEPARATOR**

- Quickly disconnects electrical connectors without damage
- Engage the tool tip behind the connector clip
- · Push or pull to disconnect
- The tool is double-ended to fit different access angles
- Works on Weather Pack and other automotive electrical connectors



TERMINAL TOOLS

- 18 tools that easily interchange with one ergonomic handle with quick release mechanism
- TPE (Thermal Plastic Elastomer) over-mold handle ensures firm grip
- · Resistant to acids, fluids, and solvents
- Eliminates potential damage to wires or terminal blocks
- · Blades individually marked for easy reference to application chart

- (18) Special Tools for Coolant Sensors, Wiring Harnesses, and Terminal Blocks on Chrysler®, Hyundai®, KIA®, Mitsubishi®, Audi®, BMW®, VW®, Volvo®, and Most Other Modern Vehicles
- [1] EVA Foam Tray For Convenient Storage



TT95980

6-PC. MINI TERMINAL TOOL KIT

- Tri-lobal ergonomic handle design
- Extended length shafts for improved access in restricted areas
- · Resistant to acid, fluids, and solvents
- Application chart included inside storage pouch

INCLUDES:

- (6) Tools for the Disassembly of Terminal Blocks and Harness Connectors for Asian and European Vehicles
- (1) Application Chart Inside Storage Pouch

PRODUCT #	DESCRIPTION			
TT95980-1	15.39 C PCM/Transmission Hardness			
TT95980-2	15.69 C Terminal Block Tool			
TT95980-3	15.79 C Underhood Sensors Tool			
TT95980-4	15.69 Sheathing Ripper Tool			
TT95980-5	15.29 C ABS ECU .55 Pin Tool			
TT95980-6	15.39 C ABS ECU .35 Pin Tool			



TT96030

TERMINAL TOOL KIT

- Fits most GM® products computer connectors and terminals
- · Individually handled for easy access into tight places
- Color coded for easy identification

PRODUCT #	DESCRIPTION	SIZE [MM]	SET
TT96030	Terminal Tool Kit		
TT96030-01	Spring-Loaded Tube Terminal Tool	3.3 x 28.0	•
TT96030-02	Square Blade Terminal Tool	1.4 x 19.0	•
TT96030-03	Flat Blade Terminal Tool	1.5 x 24.8	•
TT96030-05	Fork Blade Terminal Tool	8.0 x 24.0	•
TT96030-06	3/16" x 1" Flat Blade Screwdriver	-	•
TT96030-07	Tube Terminal Tool	3.3 x 28.0	•
TT96030-08	Tube Terminal Tool	4.3 x 13.0	•
TT96030-09	Tube Terminal Tool	3.8 x 13.0	•
TT96030-10	Tube Terminal Tool	3.0 x 13.0	•
TT96030-11	Flat Twin Blade Terminal Tool	3	•
TT96030-12	Flat Twin Blade Terminal Tool	1.6	•



TT95970

12-PC. MINI TERMINAL TOOL SET EXTENDED SHAFT

- Tri-lobal ergonomic handle design
- TPE (Thermal Plastic Elastomer) over-mold ensures firm grip
- Resistant to acid, fluids, and solvents
- Extended length shafts for improved access in restricted spaces
- Chrome-Vanadium steel shaft with high-polished chrome plated finish
- Application chart included inside storage pouch

INCLUDES:

- (12) Tools for the Disassembly of Terminal Blocks and Harness Connectors for Asian and European Vehicles
- (1) Application Chart Inside Storage Pouch

PRODUCT #	DESCRIPTION	SIZE	
TT95970-01	Tube, Spring Loaded	3.3mm x 58mm	
TT95970-02	Square Blade	1.4mm x 58mm	
TT95970-03	Flat Blade	1.5mm x 58mm	
TT95970-04	Flat Blade	2.0mm x 58mm	
TT95970-05	Fork Blade	8mm x 58mm	
TT95970-06	Flat Blade Screwdriver	3/16" x 2.30	
TT95970-07	Tube	3.3mm x 58mm	
TT95970-08	Tube	4.3mm x 58mm	
TT95970-09	Tube	3.75 x 58mm	
TT95970-10	Tube	3.0mm x 58mm	
TT95970-11	Flat Twin Blade	3.0mm x 58mm	
TT95970-12	Flat Twin Blade	1.6mm x 58mm	



ET61030

WIRE INSERTION TOOLS

- 1/4" O.D. and 3/8" O.D. wire insertion tools for use when installing wires for audio electronics, aftermarket lighting, alarm systems, and much more
- With a sharp point on the end and palm size handle, these tools provide extra leverage to pierce through firewalls, rubber grommets, and panels. 10-1/2" steel tube provides easy access to feed wires through the firewall

PRODUCT #	DESCRIPTION	SIZE
LIS60950	Wire Inserter Tool	1/4"
LIS60960	Wire Inserter Tool	3/8"

VIRE TERMINAL TOOLS AND SETS



TT95886 7-PC. DEUTSCH TERMINAL TOOL SET

- Provides the ability to remove terminals from connectors without damaging ordestroying the connector
- Deutsch connectors are used on numerous vehicle types including: automotive, motorcycles, HD trucks, construction equipment, agricultural equipment, and some outboard engines
- Provides coverage for wire gauges between 4-20

PRODUCT #	DESCRIPTION				
TT95886M-01	04 Gauge Wire Terminal Tools #F				
TT95886M-02	08 Gauge Wire Terminal Tool #E				
TT95886M-03	12 Gauge Wire Terminal Tools #D				
TT95886M-04	14 Gauge Wire Terminal Tool #C				
TT95886M-05	16 Gauge Wire Terminal Tool #B				
TT95886M-06	20 Gauge Wire Terminal Tool #A				
TT95886M-07	Removal Tool #G				



TT95839

23-PC. UNIVERSAL TERMINAL TOOL SET

- Contains a wide assortment of terminal tools that will cover a large range of vehicle applications and has the ability to service many makes and models of vehicles without the added expense of purchasing additional kits
- Easily removes terminals from electrical connectors
- Eliminates damage to wires or terminal blocks
- Handles designed for extra grip and comfort
- Handles individually marked on the heads for easy identification on application chart

PRODUCT #	DESCRIPTION	SIZE
TT95839-1	Tube	5.00mm x 20.5mm
TT95839-10	Flat Blade	1.15mm x 18.0mm
TT95929-11	Flat Twin Blade	1.60mm x 24mm
TT95929-12	Fit Twin Blade with Angle Tip	1.65mm x 23mm
TT95929-13	Flat Blade	3.0mm x 18.5mm
TT95929-14	Flat Blade with Notch	1mm x 18mm
TT95929-15	Flat Blade, U-Notch	1mm x 24mm
TT95929-16	Flat Blade	1.80mm x 18.0mm
TT95929-17	Flat Twin Blade	1.6mm x 26mm
TT95929-18	Triple Flat Blade	1mm x 9mm
TT95929-19	Pin Blade	0.90mm x 19.0mm
TT95929-20	Flat Twin Blade	1.60mm x 20mm
TT95929-21	Flat Twin Blade	0.9mm x 16mm
TT95929-22	Pick Blade	1.00mm x 19.0mm
TT95929-23	Flat Twin Blade	0.9mm x 14mm
TT95839-3	Tube	3.25mm x 20.0mm
TT95839-4	Flat Twin Blade	1.6mm x 15mm
TT95839-5	Flat Twin Blade	1.55mm x 20mm
TT95839-6	Flat Twin Blade	1.55mm x 17mm
TT95839-7	Fit Twin Blade with Angle Tips	1.6mm x 20mm
TT95839-8	Flat Blade	1.80mm x 18.0mm
TT95839-9	Square Blade	1.00mm x 18.0mm

LEAK/EVAP KITS SMOKE LEAK DETECTORS

95-0135

SPEEDSMOKE MACHINE

- · For use in both low pressure EVAP applications and high pressure turbo, diesel engines
- Variable Pressure / Variable Flow
- Up to 20x PSI and 40x flow of a typical EVAP machine
- Onboard Micro Air Compressor
- Runs on 12V DC Power
- Free of Dyes & Contaminants
- Made in America

EV9504

LEAK ATTACK™ PRO DIAGNOSTIC **SMOKE MACHINE**

- Mac Tools® Exclusive Design
- Easy Intake Included
- Two year warranty
- · Halogen inspection light
- Removable smoke hose
- Positive/negative pressure gauge
- · Includes full accessory kit
- · Ideal for finding vacuum leaks, EVAP (fuel vapor recovery), exhaust leaks, seals, gaskets, brake vacuum hoses, cooling systems, oil, wind, and water leaks, diaphragms, central locking and much more



EV9520

SMOKE PRO® AIR COMPLETE™

- Mac Air Complete[™] is simply the most technologically advanced diagnostic leak detector in the world
- Onboard micro air compressor, eliminating the need for shop air or gas lines, giving you performance and portability
- Garage owners and technicians around the world know that the Air Complete will help them quickly perform diagnostics, find more repair jobs, and sell the repairs to their customers
- Helps technicians not just "tell" their customers about a fault but to "show them the leak"
- Provides the ability to utilize an air/gas only cycle, mandated and recommended by OEMs for many applications and by all hybrid/EV manufacturers for testing battery compartments
- · Contaminant free testing is quick and simple
- · Portability, performance, profit



GREAT TO WORK WITH



EV9510B

LEAK ATTACK™ DIAGNOSTIC SMOKE MACHINE

- OEM approved technology means you get all the features to quickly detect, locate, and repair hundreds of leaks
- Tests EVAP, intake, exhaust, and many other systems to quickly locate leaks; contaminant-free, OEM approved smoke-producing fluid produces the thickest smoke available at only pennies per test
- New flow meter is more sensitive to locate leaks down to .010" to meet new EVAP testing standards
- New compound pressure gauge and decay feature verifies repairs are complete
- Technicians around the world will tell you that The Mac Tools[®] Leak Attack[™] pays for itself in less than 30 days by saving time, finding more repair jobs, and selling those repair jobs to their customers
- · Made of professional grade billet aluminum and bolted strong
- Compact, durable diagnostic leak detector available

95-0030

FILLER NECK ACCESSORY KIT

EV9510-0011

UNIVERSAL FILLER NECK CONNECTOR

EV9510-0017-12

REPLACEMENT SEALING DISCS

EV9510-0017-20

REPLACEMENT SEALING DISCS

EV9510-0017-40

REPLACEMENT SEALING DISCS

95-0082

EASY INTAKE™ EXHAUST BLADDER

- Easy INTAKE[™] is an inflatable block off bladder with a pressurized vapor pass-through that allows technicians to test an entire intake or exhaust system quickly and easily
- Easy INTAKE[™] can be used with any brand of smoke machine or diagnostic leak detector
 to block-off the system with its inflatable bladder and pressurize the system with vapor
 through the pass-through to accurately locate leaks and find additional repair jobs
- Easy INTAKE™ block off bladder conforms to any shape intake / exhaust: square, round, oval, rectangular and even severely angled and hard to reach intake / exhaust systems, while allowing vapor to pass through for fast diagnostics
- Compatible with any smoke machine, Easy INTAKE[™] fits nearly all automobiles and light duty trucks to quickly leak test the integrity of the entire induction system with one simple procedure





GREAT TO WORK WITH

1 1 LEF-IILE









RECHARGEABLE COB LED WITH FIND MY LIGHT

- Save time searching in the dark by using the "Find my light dock" to locate your missing light
- Front Chip-On-Board (COB) LED has two power settings (600-lm/300-lm),
- Rechargeable 3.7V 5200mAh Li-ion battery
- 180° Rotating bracjet and hidden hook on the bottom of light for two hands-free options
- 2.5 (high) or 6.5 (low) hours of run-time

PRODUCT #	BATTERY TYPE	_>_\<_ OUTPUT	O RUN TIME
MHL600	4,000mAh Li-lon	600 H - 300 L	2.5 H - 6.5 L

550



GREAT TO WORK WITH



- Front Chip-On-Board (CQB) LED has two power settings
- Rechargeable Li-ion battery
- 360° Rotating hanging hook and magnet on the bottom of light for two hands-free options
- Protective removable diffuser sleeve has magnets on top for picking up small items (Only for ASL700M)

PRODUCT #	BATTERY TYPE	_>\ LIGHT OUTPUT	O RUN TIME
ASL200M	750mAh Li-lon	200 H - 50 L	2 H - 6 L
ASL500M	2,600mAh Li-lon	500 H - 200 L	2.5 H - 5 L
ASL750M	5,200mAh Li-lon	750 H - 350 L	3 H - 5.5 L



PRECISE PAINT APPRAISAL, REQUIRES PRECISE ILLUMINATION

White Blank Warm White **Bright White** Daylight Cool 2.700-3.000k 3.000-4.500k 4.500-6.500k

Precise appraisal of a paints condition is only obtained if the color is depicted accurately.

Illuminating paint with a light source deviating from "pure or neutral white" will not accurately represent the color and/or surface conditions.

Using a non 'pure white' light for paint correction does not allow the current state of a panel a true evaluation at any point during the polishing or evaluation process.

Due to the special LED features, CML500 is perfect for any paint, polish, cleaning or prep-zone operation.

CML500 provides you with the option to choose between 2 different color temperatures depending on the type of job to be carried out. Typically, the WARM LIGHT (4,000 - 5,000K) is useful for bright surfaces, and COLD LIGHT (6,000 - 7,000K) is ideal for dark colored surfaces.

The white nature of the sun's rays provided pure optic values; allowing the vehicle's surfaces display their true color and defect natures. The lower the Kelvin value of a light source, the worse the representation the optic values of a surface.

Therefore, a Halogen light at ~2700K is one of the worst sources for providing true surface color and condition values because of low intensity and orange tinting. A marginal improvement is the standard CFL (compact fluorescent lighting) ranging from about ~2700 - 4200K, which can have varied color tinting.

However, LED lighting ~5000K - 6500K is near optimal for exposing true color and defective values on most vehicle surfaces.

POCKET LIGHT



- Top UV light emits 395-410nm
- Front COB light emits 110-lm
- Power settings: top / front / off
- · Powered by three AAA batteries
- IP rating: IP54



POCKET LAMP

- Runtime: 6 hours low (73-lm) and 3 hours high (250-lm)
- Hands-free motion sensor
- · Compact design ideal for tight spaces and storage
- · Magnetic base and hook for hands-free use

INSPECTION LIGHTS RECHARGEABLE AVAILABLE IN

ORANGE



TL420M(R,G,O)**420-LM RECHARGEABLE LED WORK LIGHT**

- 180 degree swivel magnetic base
- · Dual surface magnets and hanging hooks
- LED rated up to 420-lm on high/120-lm on low
- · Top light rated up to 45-lm





- Polycarbonate casing with TPE textured coating
- High output flashlight head rated up to 240-lm
- · Super-high output worklight rated up to 950-lm on high/550-lm on low



STL500M(R,G,O)

PRO STICK™ 500-LM RECHARGEABLE COB LED **ULTRA SLIM LIGHT**

- High-power Chip-On-Board (COB) LED provides 500-lm on high, 250-lm on low, non-constant current
- Hanging hook with magnet on the back
- IP54 Dust and water resistant
- CSA approved

RECHARGEABLE COB LED CORDLESS SHOP LIGHT (ONLY AVAILABLE IN RED)

- Molded handle grip and lens edge guard allow for better protection
- Durable polycarbonate high-strength hook
- · Swivel hook keeps light on subject, not in your eyes

INCLUDES:

- (1) 12V DC
- (1) 120V AC Charger



LED WORKLIGHT

- · High-impact polycarbonate lens and housing with textured coating
- · Magnetic base allows hands-free use
- · Multiple switch: Flood worklight low/high - Flashlight beam

INCLUDES:

(2) 3.6 V Rechargeable Li-ion Battery Packs

- (1) UL AC Wall Charger
- (1) 12V Power Outlet Charger

TL98795

10-PK. COVER FOR TL98268

PRODUCT #	BATTERY TYPE	BEAM DISTANCE	IMPACT RESISTANCE	_>LIGHT OUTPUT	RUN TIME	WATER RESISTANCE
TL420M(R,G,O)	4,400mAh Li-ion	25m	-	420 H - 120 L	3 H - 10 L	-
STL500M(R,G,O)	1,750mAh Li-lon	-	-	500 H - 250 L	2 H - 5 L	1Px4 Rating
TLL4400	4,400mAh Li-lon	15m	1m	450 H - 250 L	4 H - 7 L	1Px4 Rating
TL98813(G,O)	Li-lon	206m	1m	950 H - 550 L	2.5 H - 4.5 L	1Px4 Rating
TL98268-(R,G,O)	Li-lon	-	-	200 H - 100 L	2 H - 3.5 L	1Px4 Rating

ALKALINE AND CORDED



TLL2020

COB LED LIGHT STICK

- 12 SMD LEDs
- · Heavy-duty switch
- Magnetic pocket clip
- Water resistant
- Rugged ABS body
- Batteries included6.50" L x 1.50 W
- .45 lbs.

TLF98206

LED ANGLE LIGHT WITH 25' CORD

TLF98207

LED ANGLE LIGHT WITH 1' CORD

- (12) Bright white LEDs rated up to 600-lm
- 25' of SJTOW sub-zero cord with rubber-like jacket
- High-impact PC body with bumperfor further protection
- Shatter-resistant PC lens
- Built-in 11-Amp power outlet
- Ratcheting/swivel foldaway hook

INCLUDES:

(1) Flex-neck Magnet

AREA LIGHTS SHOP LIGHTS



BLW267WL

VARIABLE SPEED AIR BLOWER WITH 21-LED PANEL

- High-impact ABS housing
- Moves over 300 CFM of air
- Built-in 21 LED panel rated up to 90-lm
- · Variable speed blower switch
- Built-in 110-120V outlets with (1) 5A circuit breaker
- 10', 14/3 SJTOW cord





SPL1500M

PRO EYE™ 1500-LM RECHARGEABLE/ **CORDED COB LED AREA LIGHT**

- High power Chip-On-Board (COB) LED provides three adjustable-lm output: 500 / 1000 / 1500 Lumens
- Foamed PU bumper for impact protection
- 180° rotating bracket with magnet and anti-slipping rubber pad
- 12.6V 1.3A UL listed charger with 5M 18/2 SJTOW cord for exible use
- 11.1V 2600mAh Li-ion rechargeable battery provides a run time on low of eight hours, and on high of two and
- · Charge time from a complete discharged battery: 2-3 hours
- IP67 Dust and water resistant
- CSA approved



SPL5000MRC

PRO SPOT™ 5000-LM COB LED **RECHARGEABLE AREA LIGHT**

- · High power COB LED provides five adjustable lumen outputs, 500-5000 Lumens
- Foamed PU bumper for easy handling and impact protection
- 180° Rotating bracket
- 12.6V 4.3A UL listed charger with 5M 18/2 SJTOW cord
- 11.1V 5200mAh Li-Ion battery provides 1-10 hours continuous use
- IP67 Dust and water resistant
- · Detachable magnetic base with anti-slipping rubber pad



1000 LUMEN RECHARGEABLE AREA LIGHT

- 3 Adjustable Outputs: 250/500/1000 Lumens
- IP67 Rating for dust and water resistance and IK07 Rating for impact resistance
- USB-C Charging Port charges fully in 3-4 hours
- · 6 built in magnets, hanging hook & soft hang strap allow for essentially hands free use
- 1/4" Thread for use on a tripod



2500 LUMEN RECHARGEABLE AREA LIGHT

• 3 Adjustable Outputs: 500/1000/2500 Lumens

- IP67 Rating for dust and water resistance and IK07 Rating for impact resistance
- · Easily switch on/off using Motion Detector
- · 6 built in magnets, hanging hook & soft hang strap allow for essentially hands free use
- 1/4" Thread for use on a tripod





FLASHLIGHTS RECHARGEABLE

FL800RA

600-LM RECHARGEABLE FOCUSING FLASHLIGHT

- Powerful and adjustable beam provides 600-lm on high, and 175-lm on low
- Provides illumination for up to 600' [185m]
- · 18.5-Hour runtime on low setting

INCLUDES:

- (1) Flashlight
- (1) Rechargeable Li-Ion Battery
- (1) 120V Charger
- (1) USB Power Lead
- (1) Wrist Strap
- (1) Protective Case



300-LM COMPACT FOCUSING FLASHLIGHT

- Powerful and adjustable beam provides 300-lm
- · Six modes: high beam, stepless dimming, low beam, strobe mode, thunderbolt strobe, and SOS signal mode
- Provides illumination up to 820' (250m)
- Up to 51-1/2 hours of runtime

INCLUDES:

- (4) AAA batteries
- (1) Wrist strap

(1) Protective case

Parlinumpro



FL790A **PLATINUM PRO™** 550 FLASHLIGHTS



- High-impact polycarbonate lens
- Built-in charging port with rotating protective collet



(1) UL Wall adapter

(1) FL431-2 Replacement Li-Ion Battery

OPTIONAL ACCESSORIES:

FL444 Charging cradle; no battery

FL444-K Charging cradle with Li-lon battery

FL443-1 Holster



RECHARGEABLE **PRO LED FLASHLIGHT**

- Tough aluminum housing is anodized inside and out for corrosion resistance
- · Multi-switch for low and high modes
- · High-impact polycarbonate lens

OPTIONAL COLORS:

FL790A-CF

(O) Orange (G) Green (R) Red (B) Blue



TRI-COLOR LED FLASHLIGHT

- Tough aluminum housing is anodized inside and out for corrosion resistance
- Unique high-output tri-color LED emits white, red, and green light beams
- High-impact polycarbonate lens
- · Rechargeable Li-lon battery

PRODUCT #	BATTERY TYPE	BEAM DISTANCE	IMPACT RESISTANCE	_>\ LIGHT OUTPUT	RUN TIME	PEAK BEAM INTENSITY	O WATER RESISTANCE
FL790A	Li-lon	195m	1m	550 H - 250 L	1.5 H - 3 L	9,600cd	IPx4 Rating
FL800RA	Li-lon	185m	1m	600 H - 175 L	7	-	-
FL300A	AAA (x4)	250m	1m	300	51.5	-	-
FL431A	Li-lon	130m	1m	214 H - 100 L	3	4,400cd	IPx4 Rating
FL769	Li-lon	112m	1m	White 86lm - Red 29lm Green 33lm	7	3,038cd	-

EYE AND PEN LIGHTS



PL150MRC **150-LM LED RECHARGEABLE PEN LIGHT**

- High power rechargeable 125-lm COB LED pen light
- Resistant to common automotive chemicals
- Versatile 270 degree ratcheting clip with strong magnets for hands free use
- · Additional magnet to pick-up screws, nails, etc

INLCUDES:

Type C-USB charger



FL607

2AA PRO SERIES LED PEN LIGHT

- Tough aluminum housing is anodized inside and out for corrosion resistance
- High-output LED is rated up to 95-lm and up to 100,000 hours of continuous service
- · High and low modes
- · High-impact polycarbonate lens

INLCUDES:

(1) FL443-1 Holster

FL432

2AAA PRO LED PEN LIGHT

- High-output LED is rated up to 70-lm and up to 100,000 hours of continuous service
- Tough aluminum housing is anodized inside Provides useful illumination and out for corrosion resistance
- High-impact polycarbonate lens

OPTIONAL COLORS:

(O) Orange (G) Green (R) Red (B) Blue

PL110A

110-LM AAA PEN LIGHT

- Powerful and compact 110-lm LED pen light
- up to 150 ft (48m)
- Up to 3.5 hours runtime



PL150R(R,O,G)

150LM RECHARGEABLE LED PEN LIGHT

- Front LED is rated up to 150-lm
- Top LED is rated up to 100-lm
- Charging indicator/Type-C charging port
- Magnetic clip rotates 120 degrees

COLORS:

(O) Orange (G) Green (R) Red

PRODUCT #	BATTERY Type	BEAM DISTANCE	IMPACT RESISTANCE	_>\ LIGHT OUTPUT	O RUN TIME	PEAK BEAM INTENSITY	O WATER RESISTANCE
PL150MRC	Rechargeable (Li-poly 3.7V)	TOP LED mode: 50 m Flood COB Low: 10m Flood COB High: 15m	IKO7 Rated	Spot Light: 125lm Flood COB Low: 75lm Flood COB High: 150lm	Spot Light: 2hr Flood COB Low: 4hr Flood COB High: 2hr	Spot Light: 600 Lux Flood COB Low: 30 Lux Flood COB High: 60 Lux	IP-67 Rating
FL607	AA (x2)	59m	1m	95lm	3.5hr	856cd	IPx4 Rating
FL432	AAA (x2)	47m	1m	68.5lm	5.75hr	677cd	IPx4 Rating
PL110A	AAA (x2)	48m	1m	110lm	3.5hr	625cd	IP65
PL150R(R,0,G)	Rechargeable (Li-poly 3.7V)	TOP LED mode: 60 m Flood COB Low: 10m Flood COB High: 15m	IKO7 Rated	Spot Light: 100lm Flood COB Low: 75lm Flood COB High: 150lm	Spot Light: 2hr Flood COB Low: 4hr Flood COB High: 2hr	Spot Light: 900 Lux Flood COB Low: 30 Lux Flood COB High: 60 Lux	IP20 Rating

SPEGIATION OF THE HEADLAMPS AND ACCESSORIES

FL399RC



FL399 200-LM HEAD LAMP

- COB LED provides 200-lm on high
- · 20m Wide beam distance
- Motion sensor switch allows on/off without touching the headlamp
- 50° Rotating swivel base directs light while maintaining desired head position

INCLUDES:

(3) AAA Batteries

FL399RC

200-LM RECHARGEABLE HEAD LAMP

- Rechargeable high-power COB LED provides 200-lm on high
- Motion sensor switch allows on/off without touching the headlamp
- Quick release system
- Magnetic base

INCLUDES:

USB Type-C charging cable and charger

FL773

TRI-COLOR HEADLAMP

- Low-profile anodized aluminum bezel for corrosion resistance and heat dissipation
- Unique high-output tri-color LED emits white, red, and green light beams
- Motion sensor switch allows on/off without touching the headlamp

INCLUDES:

(3) AAA Batteries

FL577

PRO SERIES LED HEADLAMP

- Low-profile anodized aluminum bezel for corrosion resistance and heat dissipation
- High-output LED is rated up to 100-lm and 100,000 hours of service life
- Motion sensor switch allows on/off without touching the headlamp

INCLUDES:

(3) AAA Batteries

PRODUCT #	BATTERY TYPE	BEAM DISTANCE	IMPACT RESISTANCE	LIGHT OUTPUT	TIME	PEAK BEAM INTENSITY	O WATER RESISTANCE
FL399	AAA (x3)	20m	1m	200 L	-	-	-
FL399RC	-	20m	1m	200 L	3 H - 5 L	-	-
FL773	AAA (x3)	59m	1m	W 63 L R 27 L G 36 L	12	880cd	1Px4 Rating
FL577	(Ex) AAA	78m	1m	100 H - 80 L	5.5 H - 13 L	1,507cd	1Px4 Rating



171070

FLASHLIGHT HOLDER W/MAGNETIC BASE

- A flexible 9" gooseneck design provides bends over 90° and rotates 360° to aim light where it is needed
- Holds a variety of flashlights or trouble lights (from .625" To 2" diameter) with the two position, flexible finger design



FLASHLIGHT HOLDER WITH CLAMP

- Strong industrial spring clamp
- Flexible 9" gooseneck design
- Bends over 90° and rotates 360°
- Holds a variety of flashlights or trouble lights (from .625" to 2" diameter)



FLUNIVHLD UNIVERSAL LIGHT HOLDER

- 4.5" of flexible shaft for multiple lighting positions
- Easy twist of metal wheel for size adjustment
- 1/4" Thread on tip of flex shaft for additional attachment applications
- Holding jaw will accept flashlight diameters from 0.5" to 1.5" (AA size to C size)
- Magnetic base



ADJUSTABLE HOLDER

- Snap flashlight into the U-shape clip
- Adjust the bendable neck to the desired position
- PVC magnetic covered base prevents movement of holder and flashlight
- Will work on most D-cell size flashlights
- Magnetic tray will hold small bits, nuts, and bolts





DEWALT LIGHTS 20V MAX* LIGHTS



DCL079B (LIGHT ONLY)

20V MAX* CORDLESS TRIPOD LIGHT

DCL079R1 **20V MAX* CORDLESS** TRIPOD LIGHT KIT

- Bright LED output 1,001 3,000-lm
- · Natural white LED provides accurate color visibility and a long life span
- · Telescoping pole extends light head to 7ft. to reduce shadows and glare

(1) Charger



DCL040

20V MAX* LED WORKLIGHT

- Bright LED output 110-lm
- Head rotates 120° low heat output compared to Xenon lights
- Efficient LED bulb improves run-time
- 11-25 Hours of run-time depending on battery amp hour



INCLUDES:

(1) 6.0Ah battery



DCL043

20V MAX* JOBSITE LED SPOTLIGHT

- Three bright LEDs illuminate dark jobsite work areas
- 90° Pivoting head provides versatility for lighting work surfaces
- Distance: Can be seen up to 508 yards or 1,525 feet



20V MAX* LED HAND **HELD AREA LIGHT**

- Three bright LEDs illuminate dark jobsite work areas
- Two brightness settings provide flexibility for maximum light output 500 L or 250 L extended run-time
- 140° Pivoting head provides versatility for lighting work surfaces



18V / 20V MAX* CORDLESS LED WORKLIGHT



DCL510 12V MAX* LED WORKLIGHT



800.MACTOOLS











240,4654.0				1
STANDARD FEATURES	ACR220M	ACR225M	ACR225MH	ACR325M
Recover / Recycle / Evacuate / Recharge	•	•	•	•
Refrigerant Charging Options (High, Low, or Both)		•	•	•
Automatic Oil Drain	•	•	•	•
Vacuum Vehicle A/C System	•	•	•	•
Automatic Air Purge	•	•	•	•
Refrigerant Management System	•	•	•	•
On-screen Refrigerant and Oil Database Capable	•	•	•	•
Optional Printer	•	•	•	•
Color / Multilingual Display	•	•	•	•
Vacuum Leak Test		•	•	•
Fully-Automatic: Recover Vacuum Leak Test Charge		•	•	•
Machine Hose Flush (Avoids Cross Contamination)		•	•	•
Automatic Valve Operation		•	•	•
Automatic Refill and Management of Internal Tank		•	•	•
Oil Inject		•		
Longer Hoses	12'	12'	12'	12'
Larger Vacuum Pump	1.5 CFM, 2-Stage	3 CFM, 2-Stage	3 CFM, 2-Stage	3 CFM, 2-Stage
Additional Year of Warranty	2-YR	2-YR	2-YR	2-YR
Optional 5-Year Warranty	•	•	•	•
Refrigerant and Oil Database		•	•	•
UV Dye Inject Feature		•		

A/G RECOVERY AUTOMATIC / SEMI-AUTOMATIC UNITS

- 2-Stage Vacuum Pumps
- · Longer 12' hoses for more versatility when working on raised vehicles and large trucks
- · Full-color, multilingual display: 5 × 9 cm (4.3-in. diag) graphical LCD
- Charge performance accurate to +/-0.5 oz
- Industry-leading recovery efficiency of 98.5%
- SAE J2843 compliance specification
- 2-Year Warranty
- 3-Year Optional Extended Warranty



ACR220M

R134A SEMI-AUTOMATIC A/C REFRIGERANT MACHINE

- · Recover, vacuum, and charge
- 1.5 CFM, 2-stage pump provides a fast and powerful vacuum
- Optional on-screen vehicle refrigerant and oil specification database.
- Monitors vacuum level after recovery and informs possible vehicle leaks
- · Automatic air purge eliminates air from system
- · Displays refrigerant use and monitors filter life
- Optional printer

ACR220M-3YWAR

THREE YEAR EXTENDED WARRANTY

• Available for a total of 5-years (must be ordered in first 90 days of service)



R134A AUTOMATIC A/C RECOVERY UNIT

- UV dye inject feature
- Large 3 CFM, 2-stage pump provides a fast and powerful vacuum
- Maintains refrigerant in onboard tank and fills internal tank automatically
- Monitors vacuum level after recovery and informs possible vehicle leaks
- · Automatic air purge eliminates air from system
- · Displays refrigerant use and monitors filter life
- No valves to open—charge from either the high side, low side, or both
- Optional printer and refrigerant identifier
- Includes on-screen vehicle refrigerant and oil specification database
- Includes on-screen vehicle refrigerant and oil specification database

ACR225M-3YWAR

THREE YEAR EXTENDED WARRANTY

 Available for a total of 5-years (must be ordered in first 90 days of service)





ACR225MH

R-134A AUTOMATIC A/C RECOVERY UNIT FOR CONVENTIONAL AND HYBRID VEHICLES

- Hybrid-compatible
- Large 3 CFM, 2-stage pump provides a fast and powerful vacuum
- · Maintains refrigerant in onboard tank and fills internal tank automatically
- Monitors vacuum level after recovery and informs possible vehicle leaks
- · Automatic air purge eliminates air from system
- · Displays refrigerant use and monitors filter life
- · No valves to open—charge from either the high side, low side, or both
- · Optional printer and refrigerant identifier
- · Includes on-screen vehicle refrigerant and oil specification database
- · Includes on-screen vehicle refrigerant and oil specification database

ACR225MH-3YWAR

THREE YEAR EXTENDED WARRANTY

· Available for a total of 5-years (must be ordered in first 90 days of service)



R1234-YF AUTOMATIC A/C RECOVERY UNIT

- Large 3 CFM, 2-stage pump provides a fast and powerful vacuum
- Maintains refrigerant in onboard tank and fills internal tank automatically
- Monitors vacuum level after recovery and informs possible vehicle leaks
- · Automatic air purge eliminates air from system
- Displays refrigerant use and monitors filter life
- · No valves to open-charge from either the high side, low side, or both
- Optional printer and refrigerant identifier
- Includes on-screen vehicle refrigerant and oil specification database
- Includes on-screen vehicle refrigerant and oil specification database

ACR325M-3YWAR

THREE YEAR EXTENDED WARRANTY

Available for a total of 5-years (must be ordered in first 90 days of service)

A/C GAUGE SETS ALUMINUM GAUGE SETS



AC866

ALUMINUM R134A GAUGE SET WITH 60" HOSES

- Professional extruded aluminum block
- 2-1/2" Silicone dampened flutter-free gauges
- Professional R134A couplers
- Recalibrateable gauges
- Rubber protective gauge guards

(3) 60" Nylon Barrier Hoses - SAE Approved (1) Blow-Molded Case



AC888

DUAL ALUMINUM R12/R134A GAUGE SET

- Heavy-duty manual R134A service couplers
- · 2-1/2" Silicone dampened flutter-free gauges
- Protective rubber gauge guards

INCLUDES:

- (3) R12 72" Hoses
- (3) R134A 72" Hoses
- (1) Can Tap
- (1) Blow-Molded Case



AC966

PREMIER ALUMINUM **R134A GAUGE SET**

- 3-1/8" Gauges are silicone dampened, flutter free, and recalibrateable
- Set of three SAE approved 72" nylon barrier hoses
- Manual couplers
- Rubber protective gauge guards

INCLUDES:

- (1) Can Tap
- (1) Blow-Molded Case



ACR1234YF

R1234YF ALUMINUM MANIFOLD GAUGE SET WITH 60" HOSES

- Anti-flutter E-Z to recalibrate gauges
- Easy to read temperature scales on 3 1/2" gauge face (Bar/PSI/°F/°C)
- · Easy grip front-facing knobs
- Piston type free-floating valves
- Extra large sight glass
- Manifold block assembled with (3) 12mm-F fittings per SAE J2888
- Red and blue Nylon barrier hoses with 12mm-M fittings on both sides meets SAE J2888, EPA, SAE & UL standards
- Yellow hose 12mm fitting on one side and 1/2 x 16 LH acme on the other meets SAE J2888



AC289772

R134A ALUMINUM MANIFOLD SET

- Set of three 72" Hoses and couplers
- Solid extruded aluminum body
- Free-floating piston type valves reduce o-ring wear
- Extra access port for vacuum line
- · Silicone dampened gauges smooth out needle movement
- · Gauges can be easily recalibrated in the field to maintain accuracy
- Extra large sight glass for visual refrigerant check
- · Large easy-to-grip knobs



AC293996PB

DELUXE DUAL ALUMINUM A/C MANIFOLD GAUGE SET

- R12/R134a Gauges
- Set of three 96" hoses and couplers
- Manual couplers
- 1/4" SAE M x 1/2" ACME-F adapter
- · Gauge guards

SETS AND COUPLERS

AC999A R134A AUTO **DIGITAL MANIFOLD**

- Offers a large easy-to-read LCD that displays pressure and vacuum reading for R134A
- · Easily allows the technician to distinguish pressure and vacuum readings and perform a systems leak check at the conclusion of the evacuation process
- To ensure lasting performance and durability the manifold case is constructed of ABS material and protected by a rugged rubber boot
- The technician now has a fully functional manifold with the intelligence to quickly access and deliver the accurate information needed to do the job right
- Refrigerant: R134A
- Low side PSI, bar, MPa, kg/cm2, and InHg
- High side PSI, bar, MPa, and kg/cm2
- · Low battery indicator: Special icon on LCD

INCLUDES:

- (1) Manifold With A Set of Three 72" Hoses
- (1) Set of Manual Couplers
- (1) Blow-Molded Case







AC82834-SL

AC82934-SL

AC82834-SL

R134A HIGH SIDE MANUAL SAFETY LOCK COUPLER

• 14mm-F x 16mm

AC82934-SL

R134A LOW SIDE MANUAL SAFETY LOCK COUPLER

• 14mm-F x 13mm

AC66534-R

R134A LOW SIDE

• 1/4" FL-M x 13mm

STANDARD COUPLER

CONNECTION	CONTINUOUS USE Battery Life (Hours)	OPERATING TEMPERATURE	POWER	RESPONSE TIME [MSEC]	TEMPERATURE DISPLAY
1/2" ACME	50-60	32 to 122° F (0 to 45° C)	9V DC Battery	250	-40 to 200° F (-4 to 93° C)

PRODUCT #	DESCRIPTION			
AC84372	R134A 72" Hose Set with 1/2" ACME-F and 14 mm-M Auto A/C Fittings			
AC84396	R134A 96" Hose Set with 1/2" ACME-F and 14 mm-M Auto A/C Fittings			
AC45372	R12 72" Hose Set with Automatic Shut-Off Valve Fittings (1/4" SAE)			
AC99601	60" Replacement Hose, Blue			
AC99602	60" Replacement Hose, Yellow			
AC84721	72" Replacement Hose, Blue			
MSC84722	72" Replacement Hose, Yellow			
AC84723	72" Replacement Hose, Red			
AC98721	72" Replacement R134A Hose, Blue			
MSC84722	72" Replacement R134A Hose, Yellow			
AC98723	72" Replacement R134A Hose, Red			
MSC45721	72" Replacement R12 Hose, Blue			
MSC45722	72" Replacement R12 Hose, Yellow			
MSC45723	72" Replacement R12 Hose, Red			
MSC93553-E	2-1/2" Gauge Guard Set			
ME85350	2-1/2" Low Side Replacement Gauge			
AC85550	2-1/2" High Side Replacement Gauge			
MSC86350	3-1/8" Low Side Gauge			
MSC86500	3-1/8" High Side Gauge			
MSC85253-E	2-1/2" Lens			
MSC98251_F	3-1/8" Lens			

AC82834

R134A HIGH SIDE MANUAL

- Spring-loaded depressor will not damage: service valves
- Can be removed from service ports regardless of knob position without losing refrigerant
- · Meets SAE, UL, and EPA recommendations for containment of refrigerant
- Color coded

AC82934 **R134A LOW** SIDE MANUAL

14mm-F x 13mm

quick coupler

• .14mm-F x 16mm quick coupler



AC66434-R **R134A HIGH SIDE** STANDARD COUPLER

1/4" FL-M x 16mm



AC98370

R134A CONVERSION KIT INCLUDES:

- (1) High Side R134A Couplers
- (1) Low Side R134A Couplers
- [1] R134A Tank Adapter

A/C RECOVERY VACUUM PUMPS

- Internal check-valve to prevent oil leaks
- Thermally protected 1/4 hp motor with on/off rocker switch
- High volume cooling fan provides cool air to motor and pump
- · Large oil level sight glass with min-max oil level indicator
- · Large, lightweight reinforced base for stable positioning
- · Cooling fins keep temperature cooler during extended motor operation
- · Easily accessible oil fill port and drain valve
- Ultimate Vacuum: 80 Microns



 Large oil level sight glass with max/min oil level indicator

AC90062B **3-CFM SINGLE-STAGE** VACUUM PUMP

 Thermally protected 1/4 hp motor with on/off rocker switch

INCLUDES:

- (1) T-Fitting with 1/4" Flare and ACME Ports
- (1) Vapor Discharge/Oil Fill Port

AC90066B **6-CFM SINGLE-STAGE** VACUUM PUMP

• Thermally protected 1/3 hp motor with on/off rocker switch

INCLUDES:

- (1) T-Fitting With 1/4" Flare and ACME Ports
- (1) Vapor Discharge/Oil Fill Port

AC90066B-SF

6-CFM SINGLE-STAGE SPARK FREE VACUUM PUMP

 Thermally protected 1/3 hp motor with on/off rocker switch

INCLUDES:

- (1) T-Fitting With 1/4" Flare and ACME Ports
- (1) Vapor Discharge/Oil Fill Port



AC90067

7.5-CFM TWO-STAGE VACUUM PUMP

- · For medium size and larger systems (5 lbs. and above capacity)
- 1/2 Hp Motor makes cold condition start up quick and easy
- Two-stage pump features a manifold valve to isolate it from the system and three inlet ports: 1/4" FL, 3/8" FL, and 1/2" ACME (for automotive R134A systems)



AC82031 VACUUM PUMP T-ADAPTER

"T" style adapter screws onto existing 1/4" flare fitting and converts to 1/4" FL and 1/2" ACME



PRODUCT #	OIL CAPACITY OZ.	INLET PORT SIZES	MICRONS	MOTOR HP	MANIFOLD VALVE	MOTOR V/HZ	PUMP SPEED RPM
AC90059B	6	1/4" and 1/2" ACME	75	1/6	-	110/60	3,450
AC90062B	_	1/4" FL and ACME	75	1/4	-	110/60	1,720
AC90066B	-	1/4" FL and ACME	75	1/3	-	110/60	1,720
AC90067	24	1/4" FL, 3/8" FL, and 1/2" ACME	25	1/2	YES	110/60	1,725

AC91200

R12/R134A AIR OPERATED VACUUM PUMP

- Requires 4.5-CFM/90 PSI shop air
- · No moving parts and no oil required
- 1.3 CFM Air displacement venturi type pump will pull up to 29" of vacuum (Hg.) at sea level

INCLUDES:

(1) 1/4" Flare (R12) Connection (1) 1/2" ACME (R134A) Connection





AC850 REFRIGERANT RECOVERY SYSTEM KIT

- · Compact, lightweight, and works with all refrigerants
- 1/2 hp oil-less compressor with a built-in high-volume cooling fan
- · Delivers maximum cooling efficiency and keeps the compressor working at highcapacities in even the warmest climates
- · Stainless steel ball-valve designed manifold controls the refrigerant flow smoothly and quickly with only a 1/4 turn

INCLUDES:

(1) 30 lbs. DOT Tank, Oil Separator and Filter Dryer to Cleanse the Refrigerant During the Recovery Process



ACGUN2 A/C FLUSH GUN KIT

- · Works with any lightweight flushing agent that can be mixed with pressurized air
- · Excellent for quickly and effectively removing refrigerant oil debris during retrofitting or compressor replacement
- · Flush gun is simple to use and will hold up through many flush procedures

INCLUDES:

- (1) Flush Gun
- (1) Canister
- (1) Hose
- (1) Canister Adapter



AC9800 **ELECTRONIC REFRIGERANT CHARGING SCALE**

- · Constructed of rugged die-cast aluminum
- The heavy-duty 9" x 9" platform can be easily removed from the ABS case and carried to any convenient location
- · Programmable charge alarm
- Auto off function
- Capacity: 240 lbs. 110 kg
- · Resolution: .02 lbs. .01 kg





AC9900 **CHARGING SOLENOID MODULE**

- · Control the exact amount of refrigerant transferring to and from the A/C system
- Works will all types of refrigerant
- Compact design is battery powered (9V)
- Lightweight and portable
- Accessory for AC9800

INCLUDES:

- (1) Short Hose for Tank Connection
- (1) 1/4" FUL- 1/2" ACME Adapters
- (1) USB Cord



AC91051 A/C FLUSH KIT

· Specific fluid for the inner flushing of air conditioning and refrigeration systems

INCLUDES:

- (1) Flush Gun
- (1) Hose
- (1) Canister
- (1) Canister Adapter



AC16009 A/C REFRIGERANT IDENTIFIER

- Hand held R134A identifier
- · Pass and Fail lights clearly show if refrigerant in vehicle is pure enough to be recovered

A/C LEAK DETECTION LEAK DETECTION KITS



MACO21

COMPLETE A/C AND FLUID LEAK DETECTION KIT

- Find leaks in oil, fuel, ATF, and power steering systems
- Compatible with R-134a, R-1234yf, and other refrigerants



MACO16

BIG EZ™ UNIVERSAL A/C LEAK DETECTION KIT

- · An effective and economical way to add dye to an A/C system
- Universal dye is compatible with R-1234yf, R-134a, and all popular refrigerant types and pinpoints the exact source of all system leaks
- Ideal for high-volume multi-bay automotive repair shops



332005A

SPOTGUN™ JR./UV-PHAZER™ BLACK KIT

- .Quickly and easily injects dye into A/C systems
- Eliminates over-injection and mess
- Compatible with most UV leak detection dyes
- Flashlight uses AAA batteries
- Services up to 40 vehicles

INCLUDES:

- (1) LED Light
- [1] Spotgun™ Jr. Injection System
- [4] 1-oz. A/C Extendye Cartridges
- (1) Pack of Service Stickers
- (1) UV Dye Enhancing Glasses
- (1) Rugged Case



AC53010AUT

PRESSURE TESTING REGULATOR KIT

 New single stage nitrogen regulator designed to meet HVAC/R and automotive A/C systems

INCLUDES:

- [1] 1/4" SAE Flare Outlet Port
- [1] 2-1/2" [63mm] Gauges with Guards
- (1) High Pressure Gauge 4400 psig (300 Bar)
- (1) 1/4" FL-M Outlet Connection
- (1) 48" Charging Hose
- (1) High Side Standard R134A
- (1) 1/4" FL-M x 13mm Coupler
- (1) Blow-Molded Case



MAC9792 EZ-SHOT™ DYE INJECTION KIT

FOR R-1234YF/PAG

Made specifically for R-1234yf A/C systems to meet industry trends

 Most automotive manufacturers have adopted these highly efficient, ultra-low impact refrigerant systems



MAC9812

MINI-EZ™ HYBRID VEHICLE UNIVERSAL/ESTER A/C DYE INJECTION KIT FOR R-1234YF AND R-134A SYSTEMS

 Specially formulated with high dielectric qualities to protect all hybrid system components, including electrically driven compressors



MAC9841

EZ-JECT™ DYE INJECTION KIT FOR UNIVERSAL/ESTER

- Dye can remain safely within the system so once the repair is made, the dye can be used as part of a preventative maintenance program
- Universal/Ester dye compatible with R-1234yf, R-134a, and other widely used refrigerants

A/C LEAK DETECTION LEAK DETECTION KITS



ODINJ134 STANDARD OIL INJECTORS

- · Excellent method for adding refrigerant oil or large amounts of UV leak detection dye to the A/C system
- Rugged all metal 2 oz. canister
- 1/2" ACME-M x 1/2" ACME-F (R134A)



BLKINJ **UV DYE INJECTOR KIT**

- Simply connect the injector to the A/C system and twist the handle to the next application line
- Replaceable cartridge provides 25 applications of universal dye (BLKA25 dve refill cartridge) that is compatible with R12/22/502 and R134A systems
- Injector hose comes complete with one R134A coupler and auto shut-off valve adapter for 1/4" FL systems



AC53123A R12/AR134A DYE/OIL INJECTOR

- · To inject dye or oil, connect the injector to the low side of the A/C system and twist the handle until you reach the desired amount
- Injector hose comes complete with one R134A coupler and auto shut-off valve adapter for 1/4" FL systems
- · Holds 2 oz. of dye



399020A

A/C EXTENDYE REPLACEMENT CARTRIDGE

- Super-concentrated UV dye
- Advanced friction modifier
- Additional anti-wear chemistry to extend component life
- · Antioxidant stops the oxidation process

INCLUDES:

[4] 1-oz. Cartridges



MAC9870

EZ-JECT™ UNIVERSAL/ESTER A/C DYE CARTRIDGE

• Dye can remain safely within the system so once the repair is made, the dye can be used as part of a preventative maintenance program



MAC9825

EZ-JECT™ A/C DYE FOR R-1234YF/PAG

 Most automotive manufacturers have adopted these highly efficient, ultra-low impact refrigerant systems



MAC9811

MINI-EZ™ HYBRID VEHICLE **UNIVERSAL/ESTER A/C DYE FOR R-1234YF AND R-134A SYSTEMS**

• Specially formulated with high dielectric qualities to protect all hybrid system components, including electrically driven compressors





MAC9725 BIG EZ™ A/C DYE CARTRIDGE FOR R-1234YF/PAG

 Made specifically for R-1234yf A/C systems to meet industry trends, R-1234yf refrigerant has a lower Global Warming Potential (GWP) rating than its predecessor R-134a



MAC1800 LEAKFINDEI

LEAKFINDER® BIG EZ™ UNIVERSAL CARTRIDGE

 Dye can remain safely within the system so once the repair is made, the dye can be used as part of a preventative maintenance program



MAC1001 LEAKFINDER® UNIVESAL DYE

 Universal/Ester dye compatible with R-1234yf, R-134a, and other widely used refrigerants



MAC2001 LEAKFINDER® OIL DYE

 Oil-based UV leak detection dyes are the perfect tool for diagnosing leaks in engine oil, transmission fluid, power steering fluid, hydraulic fluid, and more



MAC3001 LEAKFINDER® COOLANT DYE

Fluorescent dye for all conventional coolants



AC85510 R134A CAN TAP VALVE -SCREW-ON (US STANDARD)

- Screw-on design for R134A ACME male can taps
- · Gasket assures leak proof operation
- Built-in safety check valve
- Exclusive "full grip" valve knob
- 1/2" ACMÉ-M



AC85530 3-IN-1 SIDE MOUNT CAN TAP VALVE (US STANDARD)

- This unique design covers 2-7/8" (R134A), 2-1/2" (R12), and 2" (oil) charge cans
- Internal safety check valve prevents system backflow
- 1/2" ACME-M and 1/4" FL-M Ports

A/C LEAK DETECTION UV FLASHLIGHTS



413020

PICO-LITE™ 1W LED LUXEON

· Compatible with all UV leak detection dyes

INCLUDES:

- (1) 1W Blue LED light
- (1) UV Enhancing glasses
- (3) AA Batteries



PL120MUV

PRO PEN™ COB LED UV **POCKET LIGHT**

- Front COB LED provides 110 lumens
- Top UV LED provides 395-410 nm

INCLUDES:

- [1] 3pcs AAA battery
- (1) Belt Clip
- (1) IP54
- [1] CSA Approved.



BLK50L

50-WATT UV MINI LIGHT

- · Compact and lightweight
- High-intensity Instant-ON
- 16-ft. Cord with battery clamps connects directly to car's battery for 12-volt power

INCLUDES:

(1) UV Enhancing Safety Glasses



MACUV

OPTI-PRO™ UV

- The OPTI-PRO™ UV comes complete with a powerful ultraviolet
- LED light with adjustable focus lens to identify leaks with ease
- 20-ft. inspection range with adjustable lens

INCLUDES:

(1) UV Enhancing Safety Glasses



BLK53515A

UV FLEX LIGHT

- Four ultraviolet LEDs illuminate a brilliant fluorescent glow
- Flexible probe gets into tight areas
- E-Z Access ON/OFF button

INCLUDES:

(1) UV Enhancing Safety Glasses



UVSPEC UV ENHANCING SAFETY GLASSES

· Ultraviolet enhancing safety glasses help you find leaks by improving your visual response to dye when using ultraviolet light



MACUVC

UV LAMP VIOLET LIGHT LED LEAK DETECTION FLASHLIGHT

- · Compact ultraviolet lamp works with all leak detection dyes
- · Perfect for tight spaces

INCLUDES:

(1) UV Enhancing Safety Glasses



OPTI-PRO™ UV PLUS

- · Contrasting strobe light feature
- Adjustable focus lens
- High and low output settings
- · Rechargeable Li-lon battery
- Expanded 25-ft. inspection range

INCLUDES:

(1) UV Enhancing Safety Glasses



100-WATT UV LIGHT

- 180° Swivel head gets into tight places
- Features instant ON
- Heavy-duty metal construction
- 16-ft. Cord with battery clamps connects directly to car's battery for 12-volt power

INCLUDES:

[1] UV Enhancing Safety Glasses



UV PHAZER NEO™ UV LEAK DETECTION LIGHT

- High-output UV LED
- Constant current technology: maintains steady power output throughout charge
- Adjustable lens focus: allows for focusing light intensity
- · Rechargeable lithium ion battery: years of trouble free battery life

INCLUDES:

- (1) UV Enhancing Glasses
- (1) Battery Charger



UV PHAZER BLACK™ UV

• True UV LED illuminates 11x brighter

LEAK DETECTION LIGHT

- Provides more contrast than blue light, making leaks easier to identify
- Adjustable lens focus: allows for focusing light intensity
- · Rechargeable lithium ion battery: years of trouble free battery life

INCLUDES:

- (1) UV Enhancing Glasses
- (1) Battery Charger

A/C LEAK DETECTORS



ACL1700

ELECTRONIC A/C LEAK DETECTOR

- Offers an accurate and reliable solution to electronic leak detection
- Digital microprocessor control features three levels of sensitivity (five levels of detection) and visual leak level indicator
- Detects leaks as small as 3g (1/10 oz.) per year
- · Detects all refrigerants, CFC'S, HCFC'S, and HFC'S

NCLUDES:

(1) Blow-Molded Case



ACI 2700A

ELECTRONIC A/C LEAK DETECTOR WITH UV LIGHT AND DYE INJECTION SYSTEM

INCLUDES

- (1) UV Enhancing Safety Glasses
- [1] BLKA10 10 Application Dye Cartridge
- (1) UV Dye Injection System
- (1) Dye Injector Connection Hose with R12 Adapter
- [1] Blow-Molded Case

ACL2700

ELECTRONIC A/C LEAK DETECTOR WITH UV LIGHT

- Offers state-of-the-art microprocessing technology
- Sensor delivers an accurate and instantaneous response
- Offers ultra bright UV/blue LED light, six levels of sensitivity (15 levels of detection), tri-colored visual leak level indicator, and mute function
- Detects leaks as small as 1/10 oz. (3g) per year
- Meets and exceeds SAE J1627 and CE conformity
- Detects refrigerants, CFCs, HCFCs, and HFCs

INCLUDES

- (1) UV Enhancing Safety Glasses
- (1) Blow-Molded Case





THERMOMETERS

AC52225C

DUAL LASER INFRARED THERMOMETER

- Dual laser provides pinpoint accuracy
- 12:1 Distance-to-spot ratio
- Max temperature display
- · Backlit display

INCLUDES:

- (2) AAA Batteries
- (1) Blow-Molded Case



AC52225A

DUAL-TEMP INFRARED THERMOMETER

- Measures -76°F to 1400°F
- Field of View Ratio = 30:1
- · Bright Laser Pointing
- Large Back-lit LCD Display
- °F / °C with 0.1° Resolution
- Adjustable Emissivity
- MAX, MIN, DIFF and AVERAGE
- LOCK for Continuous Monitoring
- Programmable HI / LO Alarm



AC252222

INFRARED THERMOMETER WITH TARGET LASER

- · Accurately hit your target with laser technology
- Features an enhanced back-lit LCD display and an expanded temperature range of -38° to 365°C (-36.4° to 689°F)
- The compact design is simple to use and easy to store

INCLUDES:

(2) AAA Batteries



AC52224

INFRARED THERMOMETER WITH TARGET LASER

- Offers laser targeting accuracy, enhanced backlit LCD display, and an expanded temperature range
- · Compact design is simple to use and easy to store

INCLUDES:

- (1) AC52220 1" Dial Thermometer
- (1) 9V Battery
- (1) Carrying Case



AC52227

POCKET INFRARED THERMOMETER



AC52220

1" DIAL THERMOMETER

AC91120

1-3/4" DIAL **THERMOMETER**



AC52223A

POCKET DIGITAL THERMOMETER



138000470

DIGITAL THERMOMETER/ FOLDABLE PROBE

PRODUCT #	ACCURACY	BATTERY LIFE [APPROX. HOURS]	DISPLAY ILLUMINATION	EMISSIVITY	FIELD OF VIEW RATIO	MODES	NON-CONTACT TEMPERATURE RANGE	POWER OFF	RESOLUTION	RESPONSE TIME	TARGET Indicator
AC252222	±2.5% of Reading	14	Backlit LCD	0.98	12:1	-	-36° to 689°F (-38° to 365°C)	Auto Off after 15 seconds	0.2°F/0.5°C	1 Second	Single Laser Spot
AC52225A	±2% of Reading	180	Backlit LCD	0.10 (10E) to 1.0 (100E)	30:1	MIN, MAX, DIFF, AVG	-76° to 1400°F (-60° to 760°C)	Auto after 15 seconds	0.1° F / 0.1° C	1 Second	Single Laser Spot
AC52224	±2% of Reading	180	Backlit Color LCD	0.95	12:1	-	-58° to 932° F (-50° to 500° C)	Auto after 15 seconds	0.5°F/0.5°C	0.5 seconds	Single Laser Spot
AC52225C	±2% of Reading	180	Backlit Color LCD	0.95	12:1	MAX	-76° to 1022°F (-60° to 550°C)	Auto after 15 seconds	0.1° F / 0.1° C	1 Second	Dual Laser Spot
AC52227	±2% of Reading	40	Backlit LCD	Adjustable	1:1	MIN/ MAX	-67° to 428°F (-55° to 220°C)	Auto after 15 seconds	0.1° F / 0.1° C	1 Second	n/a





AC81290 R134A UNIVERSAL A/C DUAL VALVE LARGE BORE REMOVER

- Double ended for easy replacement of standard and large bore valve cores
- For R12, standard, JRA (M6), EATON (M8 and M10) valve cores for R134A



MSC42010-10 10-PC. 1/4" SAE GASKETS



5-PC. DELUXE ORIFICE TUBE SERVICE KIT

- Universal kit will remove and install any style orifice tube
- Blow-molded case



AC93000 SPRING LOCK COUPLING TOOL SET

- Use on Ford® and Chrysler®
- · Durable spring-loaded design for long life and reliable fit

PRODUCT #	SIZE	COLOR	SET
AC93000	Spring Lock Coupling	Tool Set	
AC93098	3/8" (#6)	Red	•
AC93099	1/2" (#8)	Blue	•
AC93100	5/8" (#10)	Black	•
AC93101	3/4" (#12)	Beige	•



UNIVERSAL R12/R134A MASTER VALVE CORE KIT

- Allows the user to service valve cores without losing the systems charge
- Kit covers all R12 and R134A system valve cores

582



AC72475 **UNIVERSAL HYDRAULIC FLARING TOOL KIT**

• Fabricates push-connect 1/4," 5/16," and 3/8"; for use with GM® fuel line flares, brake lines and transmission 5/16" and 3/8"; flare/double flare 3/16," 1/4," 5/16," 3/8," and 1/2"; metric bubble flare 4.75mm, 6mm, 8mm, and 10mm





AC71500 **HYDRAULIC** A/C HOSE CRIMPER

- Lightweight hand-held hydraulic press is very portable and ideal for shop and field applications
- · Dies snap quickly into the press fixture requiring no pins or screws

INCLUDES:

#6, #8, #10, and #12 Die Sizes #6, #8, #10, and #12 Reduced Barrier (1) Blow-molded Case



AC71550 MANUAL A/C HOSE CRIMPER

- Manual style A/C hose crimper
- · Dies snap quickly into place requiring no pins or screws
- Complete set of dies covering standard hose sizes #6, #8, #10, and #12 and #8 reduced barrier

INCLUDES:

#6, #8, #10, and #12 Die Sizes (1) Blow-molded Case



TCM130B

AC70089A

2-PC. TUBING CUTTER KIT

INCLUDES:

- [1] TCM130B Cutting Wheel Cuts hard or soft copper, aluminum, brass, thin wall steel, and stainless steel tubing. Heavy-Duty mini cutter is designed for applications with limited working space.
- [1] TC126A Cutting Wheel Cuts copper, aluminum, or thin wall steel tubing. Clean right angle cuts with no burs or chips

PRODUCT #	DESCRIPTION	SET
AC70089A	2-PC. Tubing Cutter Kit	
TC126A	Heavy-Duty Tube Cutter 1/8" To 1-1/8" (3-28mm) O.D. Tubing (1/4" - 1" Nominal)	•
TCM130B	Mini Tube Cutter 1/8" To 5/8" (3-16mm) O.D. Tubing (1/8" - 1/2" Nominal)	•

A/C ACCESSORIES SERVICE TOOLS



AC20868

DELUXE HEAVY-DUTY CLUTCH HUB PULLER/INSTALLER KIT

• Kit contains a complete offering of A/C compressor clutch hub pullers and installers for GM®, Ford®, Chrysler®, and imports

INCLUDES:

- (1) Compressor Identification Chart
- (1) Blow-Molded Case



AC90925

CONDENSER FIN COMB

- · Cleans and straightens condenser and evaporator fins
- Six sided head for 8, 9, 10, 12, 14, and 15



AC70081

A/C RATCHET BOX WRENCH

• Steel forged wrench with reversible ratchet 9/16" and 1/2" hex; 1/4" and 3/16" square

AC70082 (NOT SHOWN)

A/C RATCHET BOX WRENCH

• Steel forged wrench with reversible ratchet 1/4", 3/8", 3/16", and 5/16" square



98234

R134A HI-SIDE HEX SOCKET

• Socket for the removal and installation of high side R134A service fittings



BLKA25

25-APPLICATION UNIVERSAL **DYE CARTRIDGE**

BLKA10

10-APPLICATION CONCENTRATED DYE CARTRIDGE



AC399046A

R134A POLYALKYLENE GLYCOL 46 OIL 1 OZ. 12-PK.

· Compatible with systems that use R134a refrigerant

AC399046YF

R134A POLYALKYLENE GLYCOL 46 OIL 1 OZ. 4-PK.

• Compatible with systems that use R134a refrigerant





MAL

GREAT TO WORK WITHIM

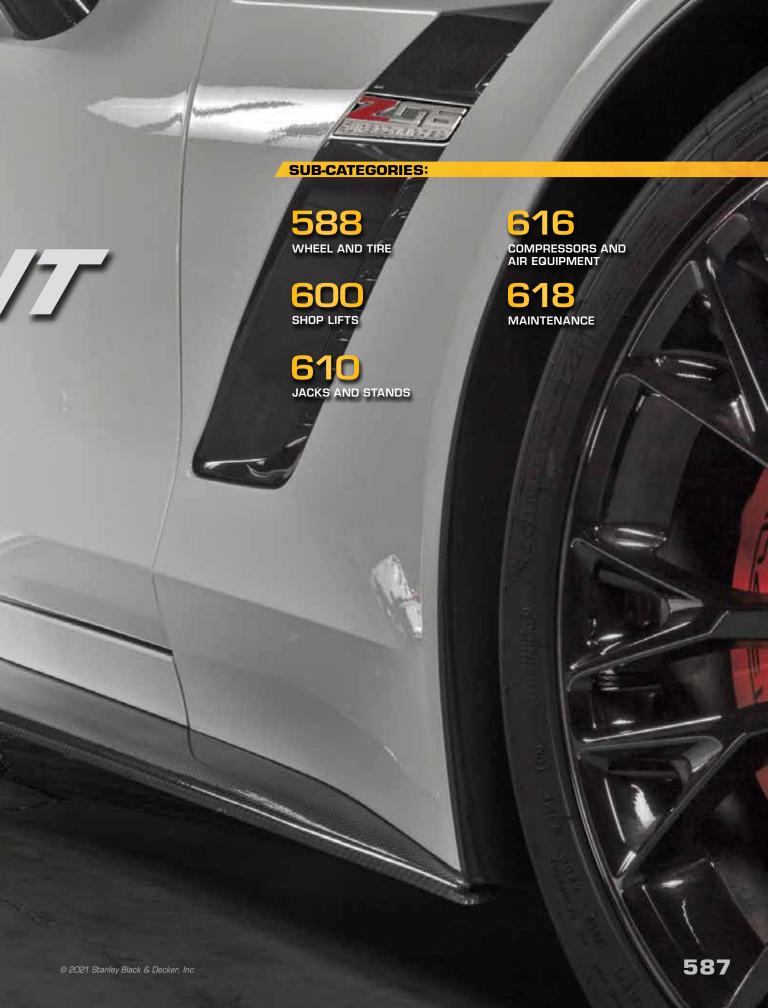
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SHOP SHOP SUIPIVE

MA TOOLS



586



WHEEL AND TIRE TIRE CHANGERS AND BALANCERS





Air driven



• Handles large and special tires

Air driven

• Handles large and special tires

Air driven

GREAT TO WORK WITH

MWB338FMD

COMPUTERIZED 2D WHEEL BALANCER

- Entry level motorized balancer
- Space saving footprint
- Large visual display
- Heavy-duty 40mm shaft with large offset for deep rims
- Lower rotational speed
- Auto stop on top
- · Automatic start when cover is lowered
- Automatic measurement of distance and diameter
- Hidden weight spoke program



MW240338C

TIRE CHANGER AND WHEEL BALANCER COMBO

INCLUDES:

MWC240.22I

Swingarm standard shop tire changer

MWB338FMD

Computerize 2D wheel balancer

MWC240.22I

SWINGARM STANDARD SHOP TIRE CHANGER

- Standard heavy-duty changer
- · Top quality at an entry level price
- 110v single speed motor for needed torque
- Galvanized cylinder
- Double operating, galvanized bead breaker cylinder
- 22" Outside clamping 24" Inside clamping
- Up to 40" tire diameters
- 8,000 ft-lbs. bead breaker @ 175 psi
- Integrated protection for alloy rims



CLAMP PROTECTORS **MW800A6**



TOOL PROTECTION KIT



BEAD BREAKER BLADE PROTECTION





MHEELAND TIRE



TC3600 CAR/LITE TRUCK TIRE CHANGER WITH PRESS ARM

 Automatic tilt back tire changer pneumatically controlled by a pedal for conventional, low profile and Run-Flat wheels of cars and light commercial vehicles

• Pedal controlled double rotation speed

- Fully adjustable bead breaker "Smart Blade"
- Adjustable table with inflators on each clamp
- Inserts protect aluminum wheels
- Help and Press Arm to ease the mounting operations of Run Flat and UHP tires
- Dual clamping cylinders
- · Comes fully assembled
- · 1-Year warranty parts and on-site labor





TC2555 CAR/LITE TRUCK TIRE CHANGER WITH PRESS ARM

- Press arm and bead pressing tool for low profile tires
- Air tank in tower
- · Dual clamping cylinders
- Semi-automatic swing arm
- Inserts protect aluminum wheels
- Adjustable table with inflators on each clamp
- Adjustable bead breaker
- · Comes fully assembled
- 1-Year warranty parts and on-site labor

TC2550 CAR/LITE TRUCK TIRE CHANGER

- · Air tank in tower
- Dual clamping cylinders
- Semi-automatic swing arm
- Inserts to protect aluminum wheels
- · Adjustable table with inflators on each clamp
- Adjustable bead breaker
- Comes fully assembled





TC875 TIRE CHANGER WITH SWING ARM

 The perfect choice for gas stations, small garages, and auto salvage yards with basic tire changing needs

Not suitable for wheels over 20", extreme low-profile tires, run-flat tires, or PAX® tires

TC876 TIRE CHANGER WITH PRESS ARM

- For small and medium garages wanting to change low-profile tires with the added press arm, this machine is for you
- Tubeless inflator device directly injects air through each clamp
- Semi-automatic swing arm
- Dual cylinders on clamping table clamps



WHEEL AND TIRE TIRE CHANGERS



PRODUCT #	BEAD BREAKING Force	INSIDE Clamping	MAX OUTSIDE TIRE DIAMETER	MAX RIM WIDTH	SEMI-AUTO Swing Arm	PRESS ARM	DUAL ARMS	AUTOMATIC TILT ARM CONTROL	AUTOMATIC TILT BACK ARM
TC875	5,500	15" - 26"	39"	13"	•				
TC876	5,500	15" - 26"	39"	13"	•	•			
TC2550	5,500	13" - 28"	47"	15"	•				
TC2555	5,500	13" - 28"	47"	15"	•	•			
TC3600	7,000	13" - 28"	43"	16"		•	•	•	•
MWC240.20i	8,000	13" - 24.5"	40.5"	12"					
MWC246.26i	8,000	12" - 28.5"	46"	15"					



TIRE BALANCERS



MWB338FMD

COMPUTERIZED 2D WHEEL BALANCER

- Entry level motorized balancer
- Space saving footprint
- Large visual display
- Heavy-duty 40mm shaft with large offset for deep rims
- Lower rotational speed
- Auto stop on top
- Automatic start when cover is lowered
- Automatic measurement of distance and diameter
- · Hidden weight spoke program



MWB355S

PRO 3D WHEEL BALANCER WITH MICROPROCESSOR

- Easy operation with interactive inputs that guide tech
- · Simple visual display
- · Color monitor with linked keyboard
- Automatic programs with auto storage of distance diameter and width
- Fast balancing with auto start
- Auto stop of wheel in external unbalanced position
- Auto indexing
- Quick wheel lock feature
- Width gauge
- Laser blade indicates weight location





WB2350

CAR/LITE TRUCK BALANCER

- For cars and light trucks
- Handles motorcyles and scooter wheels with optional accessories
- Automatic distance and diameter entry 2D
- Direct weight location program (no repositioning of stick-on weight)
- Multi-function display
- SPLIT program to hide the counterweight behind the spokes
- Foot pedal brake for easy weight placement
- Splash guard
- Comes fully assembled
- 1-Year warranty parts and on-site labor

WB2700

CAR/LITE TRUCK BALANCER

- Standard locking with quick-nut
- Wide working space
- Automatic distance and diameter entry 2D
- Laser line for quicker stick-on weight placement
- LED to light the work space inside the rim
- Electromagnetic brake holds the wheel in position
- New automatic arm to measure automatically diameters up to 30"
- Direct weight location program (no repositioning of stick-on weight)
- Direct selection ounce or grams
- · Comes fully assembled
- 1-Year warranty parts and on-site labor

TIRE BALANCERS



CAR/LITE TRUCK BALANCER

- · Standard locking with quick-nut
- Dual voltage 110VAC/220VAC
- Automatic distance and diameter entry with width sonar 3D
- Fully automatic Spotter Laser System for best correction possible
- LED to light the work space inside the rim
- Full-time accuracy with Static unbalance always displayed
- Electromagnetic brake holds the wheel in position
- New automatic arm to measure automatically diameters up to 30"
- · Comes fully assembled
- 1-Year warranty parts and on-site labor

WB45U5 HEAVY DUTY TOUCH WHEEL BALL

HEAVY-DUTY TRUCK WHEEL BALANCER

- Balances steel and light alloy wheels of cars, light and heavy commercial trucks and buses thanks to a 40mm shaft and a large assortment of standard adapters and cones
- Pneumatic stationary brake useful during wheel mounting and counterweight application
- Pedal operated pneumatic lift (soft type) enables excellent centering accuracy of the wheel on the shaft
- Automatic distance and diameter entry (2D)
- Fully automatic cycle with breaking self-diagnosis and selfcalibration menus for quick selection of the following:
 - Inches to millimeters
 - Unbalanced thresholds 0.1 or 0.25 ounces (1 or 5g)Direct selection ounces/grams
- Optimization program for compensation of rim and tire unbalance "Static" program
- 4 ALU programs for PAX, light alloy or special shaped rims one button split and hidden weight program direct weight location program (no repositioning of stick-on weights)





GREAT TO WORK WITH



WB755

MOTORCYCLE WHEEL BALANCER

- Universal space saving wheel balancer with excellent technical specifications combining a sturdy structure with attractive and modern design
- Balances bearing type wheels, scooters wheels (hand spin), and single sided swing arm (with optional AGF adaptor set)
- Automatic Distance and Diameter Entry (2D)
- Self-diagnosis and self-calibration
- · Menus for guick selection of the following:
 - Ounces to grams
 - Inches to millimeters
 - Unbalanced thresholds 0.1 or 0.25 ounces (1 or 5g)
- Optimization program for compensation of rim and tire unbalance
- "Static" and "Dynamic" program
- 12-Compartment weight tray plus adaptors compartment



WB4200 HEAVY-DUTY TRUCK

- WHEEL BALANCER

 Portable wheel balancer with automatic distance and diameter entry 2D
- Dual voltage power supply 12VDC 110VAC
- Easy-spin system for minimum effort for spinning
- Thanks to the integrated manual lifting system and easily handle wheel up to 550 lbs. (250 kg)
- SPLIT program and Optimization program
- Wheels for easy portability
- Comes fully assembled
- 1-Year warranty parts and on-site labor

CATEGORIES	CAR/LITE TRUCK BALANCER	CAR/LITE TRUCK BALANCER	CAR/LITE TRUCK BALANCER	HEAVY-DUTY Truck Balancer	HEAVY-DUTY Truck Balancer	MOTORCYCLE WHEEL BALANCER
Models	WB2350	WB2700	WB2800	WB4200	WB4505	WB755
Alloy Wheel Modes	6	6	6	6	6	2
Automatic Diameter and Distance Input	•	•	•	•	•	•
Automatic Width Input			•			
Direct Tape-a-Weight Program	•	YES + LAZER	SPOTTER LAZER	•	•	
Drive System	VDD	VDD	VDD	HAND SPIN	MOTORIZED	MOTORIZED
Hood Standard Equipment	•	•	•		•	
Max Outside Tire Diameter	36"	40"	42"	51"	51"	28"
Power Requirements	110V AC	110V AC	110V or 220V AC	110V AC	110V AC	110V AC
Rim Diameter Range	10" - 30"	10" - 30"	10" - 30"	10" - 30"	10" - 30"	10" - 30"
Rim Width Range	1.5" - 20"	1.5" - 20"	1.5" - 20"	1-1/2" - 20"	1-1/2" - 20"	1-1/2" - 20"
Split and Hidden Weight Program	•	•	•	•	•	
Weight Capacity [LBS.]	165 lbs.	165 lbs.	165 lbs.	550 lbs.	550 lbs.	66 lbs.

WHEEL AND TIRE WHEEL ALIGNMENT



MW6080WS

TOTAL DRIVE ALIGNER WITH WIRELESS EFFICIENCY

- Portable position console anywhere for convenience - maximize available workspace without obstruction or need for a dedicated bay
- Mobile open cabinet houses computer, printer, 19" monitor, accessories and stores wheel clamps
- Four measuring heads with 8-CCD sensor system controls both axles angle characteristics
- Infra-red transmission among measuring heads
- Bluetooth® wireless technology enables communication between front head and control unit
- Wireless aligner displays programs and data
- Quick start with Easy Find enter VIN number or model
- Data bank with over 90.000 vehicle specs
- Spoiler programs identifies sport car bodies
- Fast vehicle run out measurement
- Smart card for quick data bank update

- (1) Control Unit with PC, 19" Monitor, Keyboard, Printer and Battery Charger
- (2) Front Measuring Heads
- (2) Rear Measuring Heads
- (2) Pair of Four Point Wheel Clamps
- (1) Brake Pedal Depressor
- (1) Steering Wheel Lock



MW7080WS

TOTAL DRIVE, AUTOMOTIVE AND LIGHT TRUCK WHEEL ALIGNER

- Portable position console anywhere for convenience maximize available workspace without obstruction or need for a dedicated bay
- Mobile cabinet houses computer, printer, 19" monitor and charges sensors
- Faster measuring with 8-CCD sensor system
- Infra-red transmission among measuring heads
- Bluetooth® wireless technology enables communication between front head and control unit
- Wireless aligner displays programs and data
- 5 Command keys guide tech step by step in measuring process
- Quick start with Easy Find enter VIN number or model
- Data bank with over 90,000 vehicle specs
- · Fast vehicle run out measurement
- Safe print documentation
- · Smart card for quick data bank update

INCLUDES:

- [1] Control Unit with PC, 19" Monitor, Keyboard, Printer and Battery Charger
- (2) Front Measuring Heads
- (2) Rear Measuring Heads
- (2) Pair of Three Point Wheel Clamps
- (1) Brake Pedal Depressor
- (1) Steering Wheel Lock





CORDLESS WHEEL ALIGNER

- Accelerometers (newest measuring technology)
- PC-based software with multiple languages
- 24" Wheel clamping range (30" optional)
- Power supply and USB Bluetooth® antenna
- · Vehicle and customer database
- · Two-wheel alignment capable with two heads only
- · Aside from typical toe, caster, and camber, WL5200CL also measures Steering Axis Inclination (SAI), toe out on turns, and set-back
- · Lock and hold adjustments for lifted wheels
- · View all adjustments for one axle on one screen
- Front and rear spoiler mode allow heads to be tilted into view
- · Zoom screen from each head to increase viewing range
- · All front and rear readings are live
- · Each machine comes with a 1-year parts and labor warranty
- · Manufacturer reserves the right to make any and all alterations it may consider suitable without notice



TRUCK CORDLESS WHEEL ALIGNER

- · Four wireless rechargeable alignment truck heads equipped with lithium ion batteries for long life, clamps and charging station standard
- PC computer and storage cabinet
- Accelerometers (newest measuring technology)
- Windows® based software with multiple languages
- 30" Wheel clamping range
- · Handles large trucks with standard accessories
- Power supply and USB BT2 antenna
- · Complete vehicle database with possible customized
- Alignment specification database with the thirty most recent model years
- Handles up to seven truck axles
- · Comes fully assembled
- 1-Year warranty parts and on-site labor

INCLUDES:

Qb Computer, Software and Truck Database, 4 BT2 Featherweight Truck Sensors, 4 Clamps with 2 Sets of Grips, Monitor 23", Printer, Steering Lock and Brake Pedal Depressor, Wheel Grabber Kit and Extensions to 50"

LIFTS AND JACKS TWO-POST LIFTS



10,000-LBS. CAPACITY **LIGHT-DUTY TWO-POST LIFT**

- Low-profile/oversized pads with multiple extensions to raise most vehicles on the road today
- · Adapter storage bracket kit
- · Hydraulic cylinders in each column
- · Direct-pull lifting technology
- Top-mounted full-stroke cylinder rod concealed inside carriage
- Third party tested by ETL and approved by ALI
- Overhead cable equalization
- Single-point lock release
- Spring-operated arm restraints disengage at floor level
- · Padded overhead height limit switch bar
- · Durable powder coat finish

AVAILABLE OPTIONS:

- Special truck adapters
- · Air/electric work station with air regulator and oiler

INCLUDES:

- (4) 1.75" Extensions
- (4) 3.5" Extensions
- (4) 5" Extensions



10,000-LBS. CAPACITY TWO-POST LIFT

- 3-Stage front arms provide versatility for symmetric lifting
- Low 3-5/8" minimum adapter height
- · Direct pull cylinders minimize seal and bearing wear, keep the cylinder rod protected while lifting, and keep the cylinder away from the baseplate where corrosives collect

INCLUDES

(4) 3-1/2" Extension

(4) 5" Extension



92100

OMEGA WHEEL ARM

- The wheel arm holds the tire at lift arm height and is handy with tire rotations and brake jobs.
- Easy and Safe for mechanics to put on or take off tires from the vehicle.
- Avoid bending over to put down or pick up a tire.
- · Adjusts both horizontally and vertically.
- Bar can be positioned to the side when not in use to save space.
- Worldwide Patent Pending
- · Capacity: 100 LBS
- Accommodates Lift Arms 3"-5" Wide
- Magnetic Tool Trays Included
- Set includes 2 Wheel Arms and 2 Tool Trays

1	PRODUCT #	АМР	CAPACITY (LBS.)	CEILING HEIGHT REQUIRED	DRIVE THRU CLEARANCE	FLOOR TO OVERHEAD SWITCH	INSIDE COLUMNS	MAX. LIFTING HEIGHT	OVERALL HEIGHT	OVERALL WIDTH	VOLTAGE
ı	10FL	20	10000	144" (3658 mm)	99" (optional 105")	137-5/8"	109" (optional 115")	76"	143"	131" (optional 137")	220V
F	10N100	20	10000	144" (3658 mm)	99" (optional 105")	137-1/4"	109" (optional 115")	71-1/4"	143"	131" (optional 137")	220V







FORWARD 18,000 LB 2-POST TRUCK LIFT

- 18,000 lbs. capacity for lifting most trucks and vans.
- Features symmetrical column design
- Direct-Pull Lifting high efficiency, low maintenance technology
- Closed loop hydraulic system protect against hydraulic
- Powder coat paint is more durable than conventional coatings.
- Third party tested and certified by ALI
- · Padded shut-off bar
- Low profile arms and truck adapters
- Single point release lock at operations center

PRODUCT #	OVERALL HEIGHT	AMP	CAPACITY LBS.	DRIVE THRU CLEARANCE	FLOOR TO OVERHEAD SWITCH	FRONT / REAR ARM REACH MIN. / MAX.	INSIDE COLUMN WIDTH	MOTOR HP	OVERALL WIDTH	MINIMUM CEILING HEIGHT	RISE HEIGHT*	VOLTAGE
DP18N000RD	154-3/4"	20	18,000	108-1/4"	147-1/4"	38" / 61"	119-5/8"	2	154-3/8"	155-3/4"	83"	208/230V
DP18N001RD	175"	20	18,000	108-1/4"	167-1/4"	38" / 61"	119-5/8"	2	154-3/8"	176"	83"	208/230V
DP18N002RD	199"	20	18,000	108-1/4"	191-1/4"	38" / 61"	119-5/8"	2	154-3/8"	200"	83"	208/230V





FORWARD 15,000 LB 2-POST TRUCK LIFT

- 15,000 lbs. capacity for raising most trucks and vans
- Symmetrical column design
- High efficiency, low maintenance Direct-Pull Lifting technology
- Closed loop hydraulic system protects against contamination
- Powder-coat paint is more durable than conventional coatings
- High-strength, heavy-gauge steel columns
- Padded shut-off bar protects against vehicle marring
- 2-stage, heavy-duty gusseted arms extend from 38in. to 61in.L
- Low-profile arms and truck adapters for greater flexibility
- Single point release lock at operations center
- Concrete Requirements: 6in. at 3000 PSI

INCLUDES:

- (1) 2-post truck lift
- (4) 5in. truck adapters
- (4) 10in. truck adapters

PRODUCT #	OVERALL HEIGHT	АМР	CAPACITY LBS.	DRIVE THRU CLEARANCE	FLOOR TO OVERHEAD SWITCH	FRONT / REAR ARM REACH MIN. / MAX.	INSIDE Column Width	MOTOR HP	OVERALL WIDTH	MINIMUM CEILING HEIGHT	RISE HEIGHT*	VOLTAGE
DP15N000RD	154-3/4"	20	15,000	108-1/4"	147-1/4"	38" / 61"	119-5/8"	2	154-3/8"	155-3/4"	83"	208/230V
DP15N001RD	175"	20	15,000	108-1/4"	167-1/4"	38" / 61"	119-5/8"	2	154-3/8"	176"	83"	208/230V
DP15N002RD	199"	20	15,000	108-1/4"	191-1/4"	38" / 61"	119-5/8"	2	154-3/8"	200"	83"	208/230V

LIFTS AND JACKS



12,000-LBS. CAPACITY **LIGHT-DUTY TWO-POST LIFT**

- · Hydraulic cvylinders in each column
- Full stroke cylinder rod concealed inside carriage
- Overhead cable equalization
- Single-point lock release
- Two-stage front and rear arms
- Drop in truck adapters with 3.5" and 5" extensions
- Padded overhead height limit switch bar
- Durable powder coat finish

AVAILABLE OPTIONS:

· Air/electric work station with air regulator and oiler



PRODUCT #	ADJUSTABLE OVERALL HEIGHT	АМР	CAPACITY [LBS.]	DRIVE THRU CLEARANCE	FLOOR TO OVERHEAD SWITCH	FRONT / REAR ARM REACH [MIN./MAX.]	INSIDE COLUMNS	MOTOR [HP]	OVERALL WIDTH	LIFTING PAD HEIGHT	RISE HEIGHT	SPEED OF RISE (SEC)	VOLTAGE
F12N300	166"	20	12000	102-3/4" or 108-3/4"	160"	35" / 54"	114-7/8" or 120-7/8"	2	140" or 146"	4-3/4"	72-1/2"	60	208/230V
F12N301	178"	20	12000	102-3/4" or 108-3/4"	173"	35" / 54"	114-7/8" or 120-7/8"	2	140" or 146"	4-3/4"	72-1/2"	60	208/230V
F12N302	154"	20	12000	102-3/4" or 108-3/4"	149"	35" / 54"	114-7/8" or 120-7/8"	2	140" or 146"	4-3/4"	72-1/2"	60	208/230V
F12N303	143"	20	12000	102-3/4" or 108-3/4"	137-1/8"	35" / 54"	114-7/8" or 120-7/8"	2	140" or 146"	4-3/4"	72-1/2"	60	208/230V



112N300

12,000-LBS. CAPACITY TWO-POST LIFT

- Two heavy-duty push hydraulic cylinders designed to increase lift performance and minimize down-time.
- Three-stage front and rear arms
- Durable powder-coat finish provides exceptional protection from the wears a shop will see over the years.
- Overhead cable equalization
- · Single-point lock release
- Drop in truck adapters with 1.75", 3.5" and 5" extensions
- Spring operated arm restraints, disengage at floor level
- · Padded overhead height limit switch bar



PRODUCT #	ADJUSTABLE HEIGHT OPTIONS	АМР	CAPACITY [LBS.]	DRIVE THRU CLEARANCE	FLOOR TO OVERHEAD SWITCH	FRONT / REAR ARM REACH [MIN./MAX.]	INSIDE COLUMNS	MOTOR (HP)	OVERALL WIDTH	LIFTING PAD HEIGHT	DRIVE THRU /INSIDE COLUMN WIDTH	RISE HEIGHT	SPEED OF RISE ISEC1	VOLTAGE
112N300	166"	20	12,000	102-3/4" or 108-3/4"	160"	27-3/4" to 59"	114-7/8" or 120-7/8"	2	140" or 146"	4-3/4"	109-5/8" / 123-1/4"	80-3/4"	60	208/230V
112N301	178"	20	12,000	102-3/4" or 108-3/4"	172"	27-3/4" to 59"	114-7/8" or 120-7/8"	2	140" or 146"	4-3/4"	109-5/8" / 123-1/4"	80-3/4"	60	208/230V
112N302	154"	20	12,000	102-3/4" or 108-3/4"	148"	27-3/4" to 59"	114-7/8" or 120-7/8"	2	140" or 146"	4-3/4"	109-5/8" / 123-1/4"	80-3/4"	60	208/230V
I12N303	143"	20	12,000	102-3/4" or 108-3/4"	137"	27-3/4" to 59"	114-7/8" or 120-7/8"	2	140" or 146"	4-3/4"	109-5/8" / 123-1/4"	80-3/4"	60	208/230V



BP9FL

9,000-LBS. CAPACITY FLOOR PLATE SHORT CEILING LIFT

- 9,000-Lbs. capacity lift for facilities with low ceilings
- 9,000-Lbs. capacity lift for facilities with lov
 Overall height is 111-1/4" tall to allow use even with 10' ceilings
 Commercial grade car lift should not be confused with any other inexpensive two-post vehicle lifts
 Symmetrical column design
 Dual hydraulic cylinders
 Carriage latch system engages every 3"
 Secondary lock system includes a spring-actuated slack chain locking device
 Powder coat over-baked finish

- Powder coat, oven-baked finish
 Certified by ALI (Automotive Lift Institute) to meet American National Standard



[1] Truck Adapters



ADJUSTABLE ADAPTER HEIGHT	AMP	CAPACITY (LBS.1	CEILING HEIGHT Required	DRIVE THRU CLEARANCE	HEIGHT OF RUNWAYS	INSIDE COLUMNS	MAXIMUM HEIGHT WITH EXTENSIONS	MOTOR	OVERALL HEIGHT	OVERALL WIDTH	FRONT/REAR ARM REACH [MIN./MAX.]	RISE HEIGHT	VOLTAGE
3-1/2" (89 mm)	20	9000	113" (2870 mm)	97-1/4" (2470 mm)	1-1/2"	111" (2819 mm)	80-1/2" (2045 mm)	2HP Single-Phase	111-1/4" (2826 mm)	138-1/2" (3518 mm)	30" / 46-1/4" (763 mm/ 1175 mm)	72" (1829 mm)	208/230V



LIFTS AND JACKS FOUR-POST LIFTS

30,000-LBS. CAPACITY FOUR-POST LIFT

- Self-chocking approach ramps in the rear
- Single-point latch release system
- Multi-position lock components
- · Non-skid diamond plate surface on runways
- Internal airline standard
- All hydraulics and mechanical lifting components concealed under runway

OPTIONAL ACCESSORIES:

- Drive-through ramps optional
- 30-Gallon oil drain pan
- · Certified by ALI to meet American National Standard

RJ15

15,000-LBS. ROLLING BRIDGE JACK





PRODUCT #	MINIMUM RECOMMENDED BAY SIZE	CAPACITY (LBS.)	HEIGHT OF RUNWAYS	MAX. Lifting Height	WHEELBASE	MOTOR [HP]	OVERALL HEIGHT	OVERALL LENGTH	OVERALL WIDTH	WIDTH BETWEEN COLUMNS	WIDTH OF RUNWAYS	SPEED OF RISE (SECONDS)
CR30FL	16' x 33'	30,000	8-3/8"	68"	271"	4	84-3/4"	344-1/8"	148-13/16"	132"	24"	105
CR30-3FL	16' x 33'	30,000	8-3/8"	68"	307"	4	84-3/4"	380-1/8"	148-13/16"	132"	24"	105

CR18FL

18,000-LBS. CAPACITY FOUR-POST LIFT

- Self-chocking approach ramps in the rear
- Non-skid surface on runways
- Single-point latch release system
- · Multi-position lock components
- All hydraulics and mechanical lifting components concealed under runway
- Certified by ALI to meet American National Standard

OPTIONAL ACCESSORIES:

- Drive-through ramps
- 30-Gallon oil drain pan

CRA18-3FL

18,000-LBS. CAPACITY ALIGNMENT RACK

RJ9000

9,000-LBS. ROLLING BRIDGE JACK



PRODUCT #	MINIMUM RECOMMENDED BAY SIZE	CAPACITY (LBS.)	HEIGHT OF RUNWAYS	MAX. LIFTING HEIGHT	WHEELBASE	MOTOR [HP]	OVERALL HEIGHT	OVERALL LENGTH	OVERALL WIDTH	WIDTH BETWEEN COLUMNS	WIDTH OF RUNWAYS	SPEED OF RISE (SECONDS)
CR18FL	16' x 27'	18,000	7 1/2"	68"	194"	2	77-3/4"	275-3/16"	137-3/4"	122"	22"	105
CR18-3FL	16' x 30'	18,000	7 1/2"	68"	230"	2	77-3/4"	311-3/16"	137-3/4"	122"	22"	105



CR14FL

14,000-LBS. CAPACITY FOUR-POST LIFT

- · Heavy-duty hydraulic cylinder
- Single-point latch release system
- Built in rolling bridge jack track is standard feature
- Multiple-position latch points in each structural leg

OPTIONAL ACCESSORIES:

- 7,000-Lbs. capacity rolling bridge jack
- Drive-through ramps
- Internal airline kit
- Turning radius gauges
- Power unit cover
- 3-Phase motor

CR14FL-X

14,000-LBS. CAPACITY FOUR-POST LIFT WITH 2' EXTENDED RUNWAY KIT

CRA14-XFL

14,000-LBS. CAPACITY FOUR-POST ALIGNMENT LIFT



RRJ70G ROLLING BRIDGE JACK

· Optional 7,000-lbs. capacity



PRODUCT #	MINIMUM RECOMMENDED BAY SIZE	CAPACITY [LBS.]	HEIGHT OF RUNWAYS	MAX. Lifting Height	WHEELBASE	MOTOR [HP]	OVERALL HEIGHT	OVERALL LENGTH	OVERALL WIDTH	WIDTH BETWEEN RUNWAYS	WIDTH OF RUNWAYS	SPEED OF RISE (SECONDS)
CR14FL	15' x 26'	14,000	7"	78-3/4"	182 1/2"	2	90-1/2"	250"	131-3/4"	43"	20"	72
CR14FL-X	15' x 28'	14,000	7"	78-3/4"	215"	2	90-1/2"	283"	131-3/4"	43"	20"	72
CRA14-XFL	15' x 26'	14,000	7"	78-3/4"	182 1/2"	2	90-1/2"	250"	131-3/4"	43"	20"	72

EFP9FL

9,000-LBS. CAPACITY HOME STORAGE FOUR-POST LIFT

- Multi-position locks allow runways to be level at any lock position
- Exclusive adjustable lock ladder leveling system
- Single-point lock release
- · ALI/ETL certified
- Perfect for home use
- · Powder-coat finish

INCLUDES:

- (1) Steel Approach Ramps
- (1) Rolling-Bridge Jack Track
- (1) Wheel Caster Kit
- (1) Drip Tray



PRODUCT #	CAPACITY (LBS.)	HEIGHT OF RUNWAYS	OVERALL LENGTH W/O RAMPS	OVERALL LENGTH WITH RAMPS	OVERALL WIDTH	RAISED HEIGHT	WIDTH BETWEEN RUNWAYS	WIDTH OF RUNWAYS
EFP8FL	8,000	4-1/2"	175-1/2"	207-1/2"	115"	72"	38"	18-1/2"
EFP9FL	9,000	4-3/4"	193"	225-1/2"	121"	84"	39"	20"

LIFTS AND JACKS LOW RISE LIFTS

6000MRLFL

6,000-LBS. CAPACITY PORTABLE MID-RISE LIFT WITH ELECTRIC MOTOR

 Provides good working height for tires, brakes, and body repairs

 An excellent choice for low ceilings or adding a bay for seasonal increases in business

• Multiple locking positions

INCLUDES:

(1) Truck Adapter



CAPACITY [LBS.]	LENGTH	LOWERED HEIGHT	OVERALL WIDTH	RAISED HEIGHT	SHIPPING WEIGHT (LBS.)
6000	83" (2108 mm)	5" (127 mm)	41" (1041 mm)	54" (1372 mm)	1000



10000TLFL

10,000-LBS. CAPACITY **LOW-RISE LIFT**

- Dual lifiting cylinders
- Includes four 3-position adapters, four 3" rubber blocks and four 1-1/2" rubber blocks for added height

Model 10000TLFL

7000TLFL

- 7,000-LBS. CAPACITY LOW-RISE LIFT

 Dual lifiting cylinders provide the power required to lift a 7,000-lbs. vehicle
- Includes four 3" rubber blocks and four 1-1/2" rubber blocks



Model 7000TLFL

PRODUCT#	CAPACITY	OVERALL LENGTH	OVERALL WIDTH	WIDTH BETWEEN PLATFORMS	LENGTH OF PAD	OUTSIDE WIDTH OF PLATFORMS	HORIZONTAL MOVEMENT (DURING RISE)	COLLAPSED HEIGHT	LOCKING LEG Heights
10000TLFL	10,000 lbs. (4536kg)	90-1/2" (2299mm)	78-1/2" (1994mm)	22-3/4" (578mm)	51-1/4" (1301mm)	17" (7239mm)	70-3/4" (432mm)	4" (102mm)	13-3/8" (340mm), 17-3/8" (441mm), 21-3/8" (543mm)
7000TLFL	7,000 lbs. (3175kg)	90-1/2" (2299mm)	78-1/2" (1994mm)	22-3/4" (578mm)	51-1/4" (1301mm)	17" (7239mm)	70-3/4" (432mm)	4" (102mm)	13-3/8" (340mm), 17-3/8" (441mm), 21-3/8" (543mm)
PRODUCT #	VOLTAGE	AMPS	TIME OF FULL RISE	RISE HIGH STEP	RISE MID STEP	RISE LOW STEP	RISE TALL PAD	RISE SHORT PAD	RISE FLAT
10000TLFL	115V	20	40 seconds	30-5/16" (770mm)	28-5/16" (719mm)	26-5/16" (668mm)	24-3/4" (627mm)	23-1/4" (591mm)	21-3/4" (552mm)
7000TLFL	115V	20	40 seconds	-	-	-	24-3/4" (627mm)	23-1/4" (591mm)	21-3/4" (552mm)

LIFTS AND JACKS MOTORCYCLE/ATV AIR LIFTS



1,000 LBS. PORTABLE PNEUMATIC LIFT

This air-operated bike and ATV lift is capable of lifting up to 1,000 lbs. on its 80" by 24" deck. Comes standard with two 12" extensions, creating a 48" wide bed to work from. On the back of the lift is a ramp to wheel the bike onto the bed.

Powered by a pneumatic cylinder charged by shop air or other source (90 to 100 PSI), the convenient foot valve allows easy up/down operation with intermediate stops. The air lift raises to a working height of 30" and lowers to 7" for easy loading.

HEIGHT DOWN HEIGHT RAISED TABLE LENGTH TABLE WIDTH 7" / 178 30" / 762 80" / 2,032 24" / 610 304 / 136.8

Its mixture of portability, versatility, and easy access makes it a popular air lift among power sports shops. It is ideal for working on motorcycles, ATVs, snowmobiles, garden tractors, lawn mowers, golf carts, and other recreational or yard care vehicles.

The bench has extended length over other portable air lifts, so it can accommodate longer, larger bikes. The air lift also comes with a fully adjustable wheel vise which prevents wheel movement during securing, lifting, and maintenance.

Made from 12-gauge steel at 2.7mm thickness.

(2) 12" Removable Side Extensions with Mounting Kit

608





GREAT TO WORK WITH

MDB1545

MOTORCYCLE ATV LIFT

• 1,500 lbs. Capacity and 17" long skids that will lift the largest, widest cruisers

INCLUDES:

- (1) Foot Pedal Release
- (2) Locking Rear Casters
- (1) Automatic Safety Lock
- (2) Ratcheting Tie-Down Straps







1000MCLDTFL

1,000 LBS. PORTABLE PNEUMATIC LIFT WITH DROP TAIL

A drop tail version of the Motorcycle/ATV air lift, this portable unit features a removable rear section which allows complete access to the rear wheel.

The air lift lowers to 7" to make loading easy and it raises to a safe working height of 30" with intermediate stops available. The lift is controlled by a foot pedal and powered by a pneumatic canister charged by a 90 to 100 PSI air source.

HEIGHT DOWN	HEIGHT RAISED	TABLE LENGTH	TABLE WIDTH	WEIGHT
In. / MM	IN. / MM	IN. / MM	IN. / MM	LBS. / KG.
7-1/4" / 184	33" / 838	93" / 2,362	24" / 610	690 / 274.5

Also comes with a front wheel vise which secures the bike more firmly and prevents wheel movement while working on it. The extended 80" deck is longer than most portable air lifts, and it can expand from 24" wide to 48" wide when the two 12" extensions are mounted, allowing it to handle wider vehicles as well.

INCLUDES:

(1) BJ10BK Motorcycle Jack









SERVICE JACK Low-entry and long-reach is ideal for restoration projects, and easy

- restoration projects, and easy access to low-clearance vehicles
- High-rise feature lifts up to front end alignment equipment
- Padded handle protects vehicle and surrounding vehicles from harm
- Rubber saddle pad prevents scratching to under car components while providing a good grip surface to lift load
- 2-3/8" Wide front wheels provide stability, and ball-bearing mounted rear swivel caster wheels provide easy maneuverability



JSA300AJ 3-TON ALUMINUM SERVICE JACK

- · 3-Ton lift capacity
- 3-3/4" Lowered saddle height, 19-1/4" raised
- Lightweight (55 lbs.)
- Side handles for easy carrying
- Rubber saddle pad

JSA200RS 2-TON ROA

2-TON ROADSIDE SERVICE JACK

- Heavy-duty design for general shop use
- Lighter weight than standard all-steel jacks for roadside assistance and service trucks
- Side handles for easier transportation for roadside work
- Padded handle protects vehicle and surrounding vehicles from damage
- Handle features quick-release button for easy disconnect
- Rubber saddle pad prevents scratching under car components while providing a good grip surface to lift load
- 3-1/8" Wide front wheels provide stability, and ball-bearing mounted rear swivel caster wheels provide easy maneuverability

JSA350LR / JSA350LR-LG / JSA350LR-OR 3-1/2-TON EXTRA-LOW SERVICE JACK

- Low-profile design allows you greater access under vehicles
- · Long-reach lift arm provides access to hard-to-reach lift points
- Quick-to-load pump design allows you to contact your lift point in less than 1.25 strokes at a height of 11"
- Caster brackets provide strength and prevent frame from spreading under extreme loads
- Available in red, green and orange





JSA500SJ

5-TON SERVICE JACK

JSA1000SJ

10-TON SERVICE JACK

- Caster bracket changed to casting steel
- Front wheel has added roller bearing
- Aluminum release knob for added strength and durability



- Three saddle adapters included to allow varying heights.
- Pneumatic assist for ease-of-use







20-TON BOTTLE JACK

 Pneumatic option allows user to actuate jack by shop air, or by hand pumping action

 Spring pull-downs assist with retraction after use



AIR/HYDRAULIC FOOT PUMP

- For use with single-acting cylinders up to 5-Ton capacity and reduces pumping time and effort by depressing a foot/hand pedal
- 90 PSI air pressure develops 10,000 PSI hydraulic pressure
- Foot pump provides hands-free pumping and release of load
- Designed to be used with single-acting cylinders only
- Features an internal overload valve and durable aluminum reservoir
- The release lock function enables the pedal to be locked in the release position without having to depress and hold the pedal
- A hydraulic filter prevents contaminants from entering into the hose and ram and also from returning into the pump

CAPACITY (TONS)	FRAME LENGTH	FRAME WIDTH	HANDLE LENGTH	MAX. LIFTING HEIGHT	MINIMUM HEIGHT	SADDLE SIZE	WEIGHT (LBS.)	
2	-	-	45-1/4"	20-1/4"	3-1/2"	4-1/2"	77	
2	32-1/2"	14-1/2"	45-1/4"	24"	2-3/4"	-	97	
3	-	-	_	19-1/4"	3-3/4"	_	55	
3-1/2	27-1/2"	14-3/8"	50"	21-1/4"	3-5/8"	4-11/16"	103	
5	-	-	_	560 mm (22-3/64")	150 mm (5-29/32")	_	-	
10	-	-	-	560 mm (22-3/64")	160 mm (6- 9/32")	_	-	
20	40.5 cm (15-15/16")	31 cm (12-13/64")	_	506 mm (19-15/16")	262 mm (10-5/16")	_	74	
22	23-14"	13-1/4"	41-1/4"	21-1/4"	8-3/8"	1-3/4"	110	
	2 2 3 3-1/2 5 10 20	2 - 2 32-1/2* 3 - 3-1/2 27-1/2* 5 - 10 - 20 40.5 cm (15-15/16*)	2	2 45-1/4* 2 32-1/2* 14-1/2* 45-1/4* 3 3-1/2 27-1/2* 14-3/8* 50* 5 10 20 40.5 cm (15-15/16*) 31 cm (12-13/64*) -	2 - 45-1/4" 20-1/4" 2 32-1/2" 14-1/2" 45-1/4" 24" 3 19-1/4" 3-1/2 27-1/2" 14-3/8" 50" 21-1/4" 5 560 mm (22-3/64") 10 560 mm (22-3/64") 20 40.5 cm (15-15/16") 31 cm (12-13/64") - 506 mm (19-15/16")	2 - - 45-1/4* 20-1/4* 3-1/2* 2 32-1/2* 14-1/2* 45-1/4* 24* 2-3/4* 3 - - - 19-1/4* 3-3/4* 3-1/2 27-1/2* 14-3/8* 50* 21-1/4* 3-5/8* 5 - - 560 mm (22-3/64*) 150 mm (5-29/32*) 10 - - 560 mm (22-3/64*) 160 mm (6-9/32*) 20 40.5 cm (15-15/16*) 31 cm (12-13/64*) - 506 mm (19-15/16*) 262 mm (10-5/16*)	2 - - 45·1/4" 20·1/4" 3·1/2" 4·1/2" 2 32·1/2" 14·1/2" 45·1/4" 24" 2·3/4" - 3 - - - 19·1/4" 3·3/4" - 3·1/2 27·1/2" 14·3/8" 50" 21·1/4" 3·5/8" 4·11/16" 5 - - 560 mm (22·3/64") 150 mm (5·29/32") - 10 - - 560 mm (22·3/64") 160 mm (6·9/32") - 20 40.5 cm (15·15/16") 31 cm (12·13/64") - 506 mm (19·15/16") 262 mm (10·5/16") -	

LIFTS AND JACKS JACK STANDS



JS3000AL **3-TON ALUMINUM JACK STAND SET**

- Aluminum construction for lighter weight while maintaining a similar structural integrity to steel
- Flat pad-style base provides a larger surface area than traditional 3-/4-leg designs to prevent sinking when using, on asphalt or other softer surfaces.



JS3T-LG JS3T-OR **3-TON JACK STAND SET**

JS6T

6-TON JACK STAND SET

- · Ratcheting column for easy height adjustment
- Self-locking handle and pawl keeps ratchet bar securely in place
- Large saddles for easy positioning and support
- Wide base for stability legs feature pads for added stability and reduces chance of sinking into pavement
- JS3T available in red, green and orange



12-TON JACK STAND SET

- · Ductile iron support column with ratchet teeth provides multiple height positions
- Self-Locking handle and pawl. secure column in place
- · Large saddles with locating lugs provide support
- The saddle includes a recess for acceptance of a vehicle panel rail



JS22T 22-TON HEAVY-DUTY **JACK STAND SET**

- Multiple hole locations in the support tube make pin facilitated height adjustment quick and easy
- Height adjustment pin is attached to stand
- Has a flat base with telescopic tubes and modified V-shaped saddle to cradle axles or other under truck components



- · Provides support for components, and is ideal for exhaust system installations and shock absorber replacement
- · Bearing mounted spin handle and self-locking. Acme™threaded screw, provide easy height. adjustment, even under load
- · 12" Diameter base provides stability
- · Lightweight design ideal for handling in tight areas
- · Contoured saddle supports the configuration of most components

PRODUCT #	BASE SIZE L X W	CAPACITY Tons	MAXIMUM HEIGHT	MINIMUM HEIGHT	WEIGHT LBS.
JS3000AL	7.1"	3	15-1/4"	10-3/8"	11
JS3T	8-5/8" x 7-1/2"	3	17-3/8"	11-5/8"	22
JS6T	10-3/8" x 11-1/2"	6	24"	15-3/4"	32.5
JS12T	12-1/2" x 14-3/4"	12	30"	19-1/2"	77
JS22T	10" x 10"	22	19-45/64"	11-13/16"	70.5
PS1500A	12"	3/4	80-1/8"	53-3/8"	30.8



LIFTS AND JACKS TRANSMISSION JACKS





1,000-LBS. 2-STAGE TRANSMISSION JACK

- Minimum height of 34-1/2" allows easy movement of the transmission from the jack to the work table
- · Foot activated pedals for hands free operation for raising load and also provides a slow controlled lowering of
- · Saddle features four ratcheting arms for quick and easy size adjustment to the transmission pan
- · Nylon strap allows load to be securely tied down to the saddle
- · Overload valve ensures jack is not used beyond its rated capacity
- · Wide base legs provide stability
- · Swivel casters are bearing mounted, and feature polyurethane tread vulcanized on steel wheel for easy maneuvering with and without load
- · Two locking casters allow user to prevent jack from moving



1,000-LBS. 2-STAGE TRANSMISSION JACK WITH AIR

- · Air is independent in first stage for speed, and hydraulic in second stage for incremental adjustment
- Patent-pending locking pawl will automatically engage when air stage is at full height
- Minimum height of 34-1/2" allows the easy movement of the transmission from the jack to the work table
- · Foot-activated release pedal provides slow controlled lowering of load
- Saddle features four ratcheting arms for quick and easy size adjustment to the transmission pan
- · Nylon strap allows load to be securely tied down to the saddle
- Overload valve ensures jack is not used beyond its rated capacity
- · Wide base legs provide stability
- Swivel casters are bearing mounted. and feature polyurethane tread vulcanized on steel wheel for easy maneuvering with and without load
- Two locking casters allow user to prevent jack from moving



JSTLP1200

1,200-LBS. LOW-PROFILE TRANSMISSION JACK

- Applications include removal. installation, and moving of automotive transmissions, transfer cases, and rear differentials
- · Adjustable saddle can be tilted forward/backward, and side to side, to align with transmission bolt patterns
- Universal adjustable saddle to fit the transmission pad configuration
- Safety chain and hardware secures the transmission or differential to the saddle to raise and lower safely
- · Wishbone leg design provides lower lift point
- · Overload and bypass safety valves prevent jack from being used beyond rated capacity and overextending ram
- Handle rotates 360° for operation from any direction
- Release-valve knob is conveniently located for slow controlled lowering of load
- Four swivel casters are ball-bearing mounted for easy movement

PRODUCT #	AIR SUPPLY REQUIRED (PSI)	BASE SIZE (L X W)	CAPACITY (LBS)	SADDLE TILT FORE AND AFT	SADDLE TILT SIDE TO SIDE	MAXIMUM HEIGHT	MINIMUM HEIGHT	WEIGHT (LBS.)
JSTT1000	_	36" x 30-1/2"	1000	37° by 26°	+12°, -12°	74"	35-1/2"	143
JSTTA1000	100	30-1/4" square	1000	37° by 26°	+12°, -12°	75"	35"	145.2
JSTLP1200	-	37" X 18-3/4"	1200	55° by 8°	+6°, -18°	31-1/8"	6-1/4"	119

LIFTS AND JACKS FUEL TANK SADDLE AND ENGINE STANDS



FUEL TANK SADDLE ADAPTER

- 40-Gallon capacity (empty tank)
- For use on under hoist transmission jacks for the removal, installation, and moving of emptied automotive gas tanks
- Foam support pads adjust to fit any gas tank configuration up to 40 gallons

DIMENSIONS	PAD LENGTH	PAD WIDTH	PAD HEIGHT	PAD SIZE
5-5/16" x 24-1/2" x 15"	24-1/2" to 39-3/4"	15" to 19"	7" to 11"	3' to 5-1/2"



700-LBS. ENGINE SUPPORT BAR

- Designed to support engines in front wheel drive cars during repairs in which sub-frame or engine mounts are removed
- The transverse bar can be used alone for 2-point applications or with adapter arm for applications requiring additional support two 14" long adjustable hook screws and 1/8" diameter steel cable 38" long included
- Fully adjustable transverse bar and adapter arm for multiple engine configurations
- Transverse bar extends from 34.5" to 61"



750-LBS. ENGINE STAND

- Sturdy 4-leg design for maximum stability supports engines up to 750-lbs.
- Fully adjustable mounting head and adaptor fingers
- Long handle rotates mounting head
- Two rigid rear caster wheels and two front ball bearing mounted swivel caster wheels for easy maneuverability



ES1000G

1,000-LBS. GEARED **ENGINE STAND**

- Used for handling and positioning of most automotive engines requiring repair
- 63:1 Ratio gearbox easily rotates engine to desired position by turning a crank handle
- Two rigid rear caster wheels and two front ball bearing mounted swivel caster wheels for easy maneuverability
- Swivel caster wheels include locks to prevent stand from moving
- · Four wheel design base provides stability

PRODUCT #	BASE SIZE (L X W)	CAPACITY (LBS.)	OVERALL HEIGHT	WEIGHT (LBS.)
ES750A	32-1/2" x 28-1/2"	750	38"	59
ES1000G	37-3/16" x 36"	1100	36"	97



EC2T

2-TON ENGINE CRANE

- Dual pump pistons rapidly reach max height 25% faster than single pump designs
- Low profile 4.7 inch legs designed to fit under wide range of vehicle frames including sports cars
- Four boom positions adjust for optimal reach based on required capacity
- Drop-forged steel hook swivels 360° for ease of use and safety during operations, while chainless design eliminates sway during lifting
- Space saving design folds to conveniently store away in small footprint





SHP20T

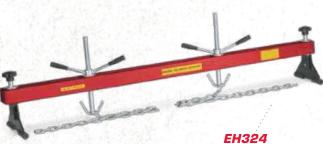
20-TON SHOP PRESS

- Used for various shop applications including straightening, bending, and removing/installing gears, bearings, and bushings
 Used built welded press frame to prevent excessive flexing under maximum load
 Reinforced head bolster for added strength
 Heavy-duty return springs for fast ram retraction

 Pair of hed plates and ram head included

- · Pair of bed plates and ram head included

BED WIDTH	CAPACITY [TONS]	RAM STROKE	SIZE (L X W X H)	WEIGHT (LBS.)	WORKING SPACE [MIN./MAX.]
54.8cm (21-9/16")	20	19cm (7-1/2")	156cm x 19.5cm x 13.5cm 61-13/32" x 7-43/64" x 5-5/16"	251.2	38.5mm to 998.5mm 1-1/2" - 39-5/16"



ENGINE SUPPORT BAR

- Rubber padded support legs for stability
 Adjustable width: 57" x 27"
 Two hook assemblies and two 36" chain assemblies
- Capacity: 1,000 lbs.

AIR COMPRESSORS



ACPV580S

80-GALLON TWO-STAGE 5HP AIR COMPRESSOR

- Industrial performance delivers maximum CFM @ 175 PSI
- Piston design for improved compression efficiency
- · Deep-groove directional cooling fins
- · Patented asymmetrical cooling fins
- Patented cast iron flywheel design with large extended fins for improved cooling and low pump RPM
- TOPS® motor (Thermal Overload Protection System)
- Protects the motor from voltage fluctuations
- Magnetic starter not required
- Integrated control panel for added control and convenience includes
- · Tank and working pressure gauges
- Air flow regulator
- Two quick connect air outlets
- Pressure relief valve
- Large capacity, 80-gallon air receiver



ACPV7580S

80-GALLON TWO-STAGE 7.5 HP AIR COMPRESSOR

- · Cooler running pump
- Improved compression efficiency
- Cast iron cylinder head with patented deep-grove directional cooling fins
- Precision bored cylinders with patented asymmetrical cooling fins
- Patented cast iron flywheel design with large extended fins for improved cooling of pump and low pump RPM.
- Industrial performance delivers maximum CFM @ 175 PSI; provides enough power to operate more than one air tool or device at one time
- Baldor industrial class electric motor
- 4 pole, 1725 RPM, UL certified, NEMA rated
- Equipped with pre-wired and mounted magnetic starter
- Large capacity, 80 gallon ASME certified tank



ACPV3760S

60-GALLON 3.7HP AIR COMPRESSOR

- Cast iron, twin cylinder, oil lubricated pump features: One-piece cast iron crankcase, Thermally stable cast iron cylinder body, Aluminum head & valve plate, Automotive style ball bearings, Durable Swedish stainless steel reed valves, Oil level sight glass, Easily accessible oil fill, 12" cast iron balanced flywheel
- Heavy duty, 230 volt induction motor for maximum performance and efficiency
- 155 PSI max pressure for optimum tool performance
- Large capacity, 60 gallon ASME* air receiver provides more air for longer run times on air tools such as ratchets, impacts, spray guns, hammers, etc.
- Shipped with synthetic oil for optimum performance and long life
- Equipped with pressure gauge and on/off switch

PRODUCT #	TANK SIZE Gallon	STAGE	HP	MAXIMUM Pressure PSI	AIR DELIVERY (CFM)	VOLTAGE/PHASE	WEIGHT
ACPV580S	80	2	5	175	17.5 @ 100 PSI / 15.8 @ 175 PSI	230v / 1	475
ACPV7580S 80 2		7.5	175	22.1 @ 100 PSI / 21.2 @ 175 PSI	230v / 1	630	
ACPV560S	60	2	5	175	15.3 @100 PSI / 13.5 @ 175 PSI	208-230v / 1	325
ACPV37605	60	1	3.7	155	13.4 @ 40 PSI / 11.5 @ 90 PSI	230v / 1	325



60-GALLON TWO-STAGE 5 HP AIR COMPRESSOR

- Tank Size.....60 Gallons
- Max Pressure.....175 PSI
- CFM @ 100 PSI...15.3
- CFM @ 175 PSI...13.5
- Voltage.....230
- Running HP......5.0
- Stage.....Two



ACPH1920P 20-GALLON 1.9 HP **HORIZONTAL AIR**

COMPRESSOR

· Cast iron, twin cylinder, oil lubricated pump features: One-piece cast iron crankcase, Thermally stable cast iron cylinder body, Aluminum head & valve plate, Automotive style ball bearings, Durable Swedish stainless steel reed valves, Oil level sight glass, Easily accessible oil fill, 12" cast iron balanced flywheel

- Heavy duty, 230 volt induction motor for maximum performance and efficiency
- 155 PSI max pressure for optimum tool performance
- · Large capacity, 60 gallon ASME* air receiver provides more air for longer run times on air tools such as ratchets, impacts, spray guns, hammers, etc.
- · Shipped with synthetic oil for optimum performance and long life
- · Equipped with pressure gauge and on/off switch



ACP072-0030IA **AUTO TANK DRAIN KIT**

- Clean Out Strainer Valve
- 10" Braided Stainless Steel Tank Drain Tube with 1/4" NPT Elbow
- · Three-foot Drain Hose with Hose Clamp
- Universal Multi-Purpose Mounting Bracket
- Ready for Complete Installation



ACP165-0320X

5 HP MAINTENANCE KIT

• For use with models ending in 55 INCLUDES:

- (6) Quarts Synthetic Blend Non-Detergent Air Compressor Oil
- (3) Filter Elements
- (1) V-Belt

ACP165-0321X

7.5 HP MAINTENANCE KIT

· For use with models ending in 75

INCLUDES:

- (6) Quarts Synthetic Blend Non-Detergent Air Compressor Oil
- (3) Filter Elements
- (2) V-Belt

SERVICE AND DIAGNOSTICS



MCS245

CARBONCLEAN SYSTEM

- · Professional fuel system service and diagnostic center
- Cleans the entire fuel system, from the intake to the catalytic converter
- Advanced electronic interface and unique safety features let the machine run unattended
- Fuel system diagnostic capabilities allow five tests to be performed

CIRCUIT PROTECTION [AMP]	FLUID PRODUCT Number	FUEL TANK CAPACITY	GAUGE (PSI)	HOSE OUTPUT AND RETURN	HOSE Vacuum (M)	POWER CORD (M)	POWER SUPPLY	TIMER
8	00319-400-0020 00319-400-0030 00319-400-0126	5 qt.	0-160	10' (5/16" od)	12' (3.6)	10' (3)	12V DC	0-60 min.



FX92500

TRANSMISSION FLUID EXCHANGER

- Top-off feature add or subtract in 1/10 qt. increments
- "Low Fluid Alarm" and "Indicator Light" to alert operator
- "Drain Waste" feature automatically pumps used fluid from the machine into a waste oil container
- "Drain Pan" feature drains the pan for easy filter replacement
- Three modes of operation: Dipstick only, cooler line, or a combination of the two
- Exchange accuracy approximately +/- 1/4 qt.
- 32 qt. Supply tank, 34 qt. waste tank
- Complete set of cooler line adapters for most foreign and domestic vehicles
- · Works with all types of automatic transmission fluid
- Integral performance designed hose and tool compartment with drain



PRESSURE WASHERS



PRW1450SHDE

1450 PSI OIL-FIRED HOT WATER PRESSURE WASHER

- Triplex plunger pump with ceramic plungers, stainless steel valves, and thermal relief
- Adjustable thermostat and pressure pop-off.
- 50' Pressure hose with trigger gun
- Dual wand with side handle and detergent tip
- Quick change tips in 0°, 15°, 25°, and 40°
- 5-Gallon Rust-free burner fuel tank
- Oil-fired burner uses diesel fuel or kerosene to achieve a 140° F rise in water temperature
- Machine is CETL approved to UL specifications

DIMENSIONS L X W X H	BURNER FUEL CAPACITY	GPM/IPM	НР	PSI/BAR	VOLTAGE/AMP/PHASE	
27" x 21" x 42"	5 Gal. Diesel/ Kerosene	2/7.6	2	1450/100	120/20/1	



PRW1450

1,450 PSI, HAND-CARRY PRESSURE WASHER

- Triplex plunger pump with ceramic plungers and stainless steel valves
- 35' cord with ground fault interrupter
- Adjustable pressure
- Chemical injection
- Trigger gun
- 36" Two-piece wand
- Multi-reg 0-60° pattern tip with hi-low for chemical injection

DIMENSIONS L X W X H	GPM/IPM	HOSE LENGTH (FT.)	PSI/BAR	PUMP Max. Temp. [F]	SHIPPING WEIGHT (LBS.)	
18" x 12" x 11"	2/7.6	25'	1450/100	140°	68	

MAINTENIANGE PARTS WASHER



PW1330

30-GALLON DRUM MOUNT SOLVENT PARTS WASHER

- Professional grade drum mounted models
- Options include cartridge filter, light kit, and solvent filtration for extended solvent life
 30-Gallon drum (PW7033) not included

PRODUCT #	DIMENSIONS	FLUID CAPACITY	WEIGHT	
	L X W X H	GAL.	LBS.	
PW1330	34-1/2" x 26-1/2" x 37-1/2"	30	75	



RUBBER FACED JAW CAPS

- Aluminum alloy with synthetic rubber cover
- Jaw cap conforms to workpiece and grips firmly without slipping while protecting work surface

PRODUCT #	FITS VISE Models	ТҮРЕ	SIZE
WIL14840	VM674	Rubber Faced	4"
WIL14841	VM674	4-1/2"	
WIL14872	VM675	Rubber Faced	5-1/2"
WIL14846	VM674	V-Grooved Aluminum	4-1/2"
WIL14873	VM675	V-Grooved Aluminum	5-1/2"



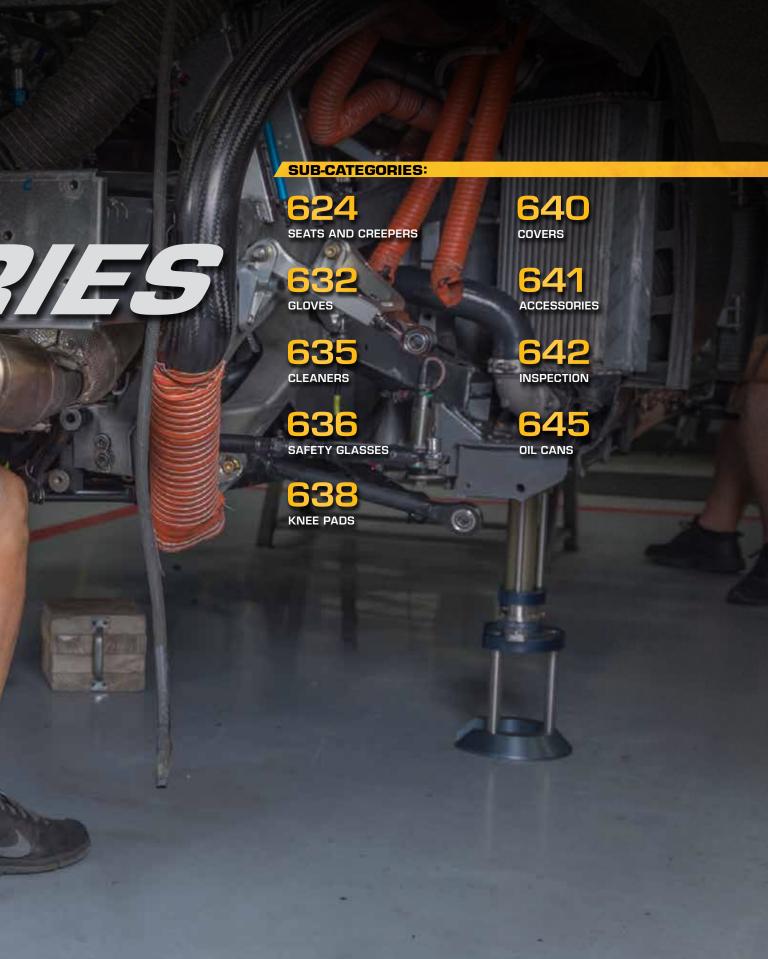
WIL14846 **V-GROOVED ALUMINUM JAW CAPS**

WIL14873

V-GROOVED ALUMINUM **JAW CAPS**

- Jaw construction includes a 120° horizontal V-groove, three vertical V-grooves, and a 90° groove for marking out and center punching
- · Ideal for light tapping and thread cutting applications





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STOW'N ROLLSEATING





MULTI-PURPOSE SEATING



CREEPER SEAT WITH MAGNETIC TRAY

- 1" Steel tube frame
- Wide base for better stability
- 15" x 15" Storage tray with magnetic strip for small parts and tools
- Four 3" No-matic casters swivel with ease over uneven terrain, cracks, hoses, etc.



CRS4R

4-STAR BASE ADJUSTABLE MECHANIC'S SEAT

- Open frame for increased maneuverability to move closer to the workspace
- · Heavy-duty vinyl fully padded seat top
- · Powder coated frame resists rusting
- Four 2-1/2" oil resist swivel casters



CRWHRAS

HEAVY-DUTY ADJUSTABLE MECHANIC'S SEAT

- · Gas-filled lift cylinder with easy adjustment
- Heavy-duty 1" steel tube frame
- Four 3" oil resistant casters
- Adjustable seat from 17" 22"
- 14" Round seat top with extra dense padding provides a memory foam like feel for maximum comfort

CRWHRS (NOT SHOWN)

HEAVY-DUTY MECHANIC'S SEAT

• Dimensions: 15" x 15" x 22"



CRWS17 FLAME-RESISTANT WELDING STOOL



CR1014A MULTI-PURPOSE SHOP STOOL WITH BACK REST

- 21.5" to 29"Pneumatic seat height
- Vinyl-upholstered seat and back
- 14" Diameter x 3.5" thick seat
- 12" W x 6" H Back with dual back bars
- · Heavy-duty height and swivel seat control
- High strength molded nylon baseFive 2-1/2" diameter industrial casters
- Weight Capacity: 250 lbs.



CR2015 SIT/STAND PNEUMATIC SHOP STOOL

- Pneumatic Lift Seat Tilt mechanism
- Integral skin polyurethane seat
- · Seat padding with lumbar support
- Suits most workbench and shop applications
- Spill, poke, and tear resistant for use in rugged applications
- Sturdy for use in industrial environment



<u>CR1013</u> MULTI-PURPOSE STOOL



ADJUSTABLE HEIGHT HEAVY-DUTY TOOL TROLLEY

- Adjustable seat height range 19" 22"
- Height adjustment quick release and step settings
- 3" Industrial casters, two with locks
- Removable steel tool tray 12" W x 18" L x 1.7" H
- · Rated to 450 lbs. capacity



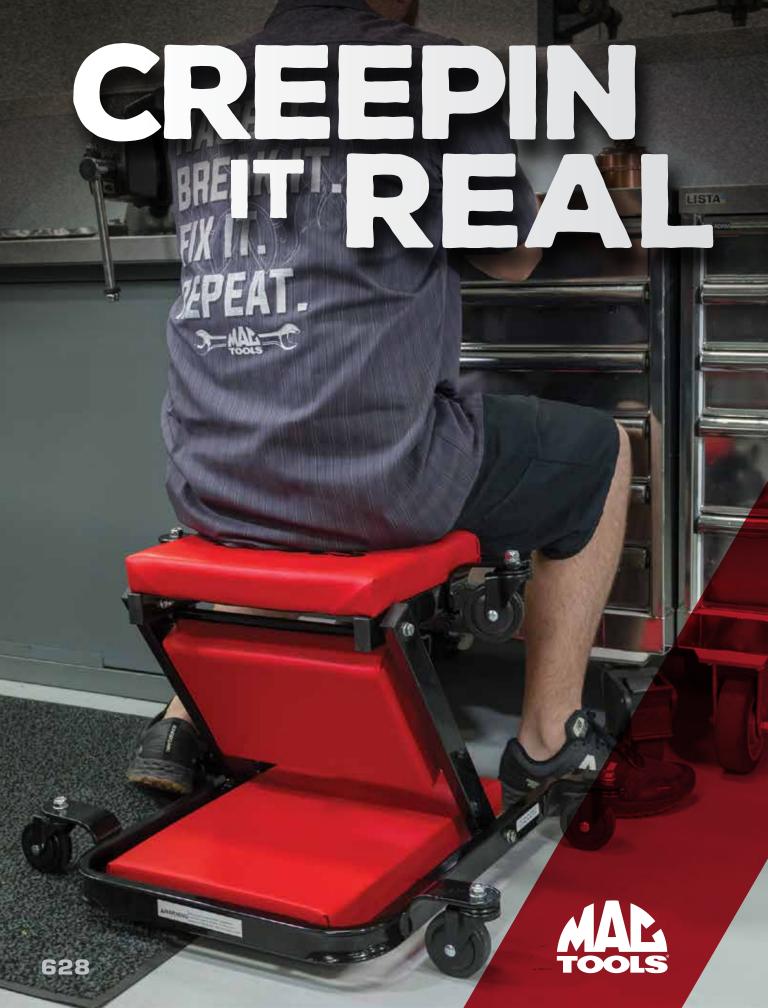
HEAVY-DUTY TOOL TROLLEY

- Extra-large [16" x 16"] motorcycle-style seat with 3-1/2" thick padding makes this creeper extremely comfortable for long projects
- 1" Chrome finish tubular steel welded construction with a 500 lbs. capacity
- 18" Seating height makes this creeper ideal for detail work on fenders, doors, wheels, and more
- Four 3" oil-resistant, industrial casters allow you to roll smoothly across uneven surfaces
- Tool tray under seat
- Dimensions: 16" x 16" x 18"



CRS350 SEAT STOOL COMBO

- Comfortable rolling cushion seat with a storage tray underneath for tools and parts
- Five 3" smooth-rolling oil-resistant casters rotate 360° for maneuverability
- Set the rolling seat on end, and it becomes a step stool with a steel tread plate for firm grip and reinforced steel frame for both strength and durability
- Rated to 350 lbs. capacity





EQUIPMENT CREEPERS & WORK PLATFORM



 40" Adjustable headrest metal frame creeper with a 3/4" steel tube frame

CR403R (NOT SHOWN)

MECHANIC'S CREEPER

- 40" Metal frame creeper with 3/4" steel tube frame
- "V" drop-in shoulder area for added comfort
- Six 3" casters are suitable for rough uneven terrain, will get over hoses, cracks, and imperfections in flooring with ease
- Carries a 600 lbs. weight capacity
- Powder coated to resist rusting



- Only 1/2" ground clearance
- Six 3" polyurethane, oil-resistant, full bearing casters for easy movement



- 20" W x 44" L bed
- 2" Thick contoured bed with pillow type head rest



- Six 3" casters will roll easily over rough, uneven terrain
- "V" drop-in shoulder area for added comfort
- Heavy-duty 1" steel tube frame
- Fully padded with heavy-duty vinyl
- USA Made with global components



- Full-size, comfortable and tough
- Sturdy and reliable for the most brutal shop environments
- 1/2" Ground clearance with 2" minimum height allows user to perform services beneath low-profile vehicles



CR700N

ADJUSTABLE NARROW BED HD CREEPER

- · 3-Position pillow style headrest adjusts while keeping shoulders flat
- Durable vinyl upholstered, contoured bed comfortably supports shoulder and hips
- Welded 1" steel tubular frame
- 3" Pin style industrial casters easy rolling and non-clogging style
- 4-position clip-on tool tray positions tools and parts within easy reach
- Dimensions: 18" x 44"
- · Weight: 450 lbs.



GREAT TO WORK WITH



CR346VHD6NM Is
PROUDLY MADE IN THE USA
with global components.



CR41PBLK 41" HEAVY-DUTY

COMPOSITE CREEPER• Extra width and raised padded headrest for added comfort

- Tool pockets on each side for small parts and tools
- Six 4" casters glide easily over surfaces

FOCP

PREMIUM FOLD-OUT CREEPER PAD

- Waterproof backing creates a barrier to prevent moisture from soaking into the foam
- A high dense foam and raised headrest provide extra cushion and comfort for the user
- Folds-up for easy storage and is easily accessible anywhere

CK2 CREEPER KEEPER

- Mounts to most tool boxes
- · Can be mounted to benches or walls
- Powder coat finish



TS4500 TIRE STEP

- Easily reaches engine, cargo, or roof.
- · Folds for compact and easy storage
- Heavy-duty steel construction
- Fits on any tire up to 14.5" wide.
- · Weight limit 300 lbs.



CRVIWP

VEHICLE INTERIOR WORK PLATFORM

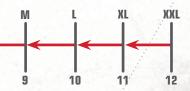
- Properly positions the technician for under dash tasks
- Adjusts from 15" to 25" for use with cars, SUVs, and light duty trucks
- 300 lbs. Capacity

PROTECTION MECHANIC'S GLOVES



GLOVE SIZING CHART

Place hand on gauge as shown for proper sizing. A snug fit is preferred for optimum glove performance.





SPEED CUFF GLOVES

- · Protect your hands from cuts and burns associated with many repair jobs with the Mac Tools Impact line of gloves
- · Moisture wicking back of hand
- Touch screen capable
- F7-fit cuff

MACSPDC-M MACSPDC-L MACSPDC-XL MACSPDC-XXL



FABRICATOR GLOVES

- Premium goatskin palm
- Heat-resistant Cut-2 palm
- · FR-Infused silicone back of hand
- · Adjustable cuff enclosure
- Padded knuckle. impact protection
- ANSI A2 cut resistance



MACFAB-M MACFAB-L MACFAB-XL MACFAB-XXL

M XL **XXL**



MECHANIC TOUCH GLOVES NEON GREEN

- · Touch screen capable
- · Adjustable thermoplastic rubber closure
- · Terrycloth sweat wipe

MACMCHT-G-M MACMCHT-G-L MACMCHT-G-XL XL MACMCHT-G-XXL XXL



MECHANIC TOUCH GLOVES NEON ORANGE

- Touch screen capable
- Adjustable thermoplastic rubber closure
- Terrycloth sweat wipe

MACMCHT-O-M MACMCHT-O-L L MACMCHT-O-XL XL MACMCHT-O-XXL XXL



MECHANIC TOUCH GLOVES BLACK

- Touch screen capable
- · Adjustable thermoplastic rubber closure
- · Terrycloth sweat wipe

MACMCHT-M MACMCHT-L MACMCHT-XL XL XXL **MACMCHT-XXL**



IMPACT GLOVES RED

- Full pinch-point finger tip coverage
- · Heavy-duty, flexible impact knuckle protection
- · Ergonomic embossed palm

MACIMP-R-M MACIMP-R-L L MACIMP-R-XL XL MACIMP-R-XXL XXL



212 HI-VIZ GREEN **IMPACT GLOVES**

- Full pinch-point finger tip coverage
- · Heavy-duty, flexible impact knuckle protection
- · Anti-vibration palm padding
- · Dexterous, light-weight palm material
- · Reinforced palm and fingers

MACIMP-G-M	M
MACIMP-G-L	L
MACIMP-G-XL	XL
MACIMP-G-XXL	XXL



212 HI-VIZ ORANGE **IMPACT GLOVES**

- Full pinch-point finger tip coverage
- · Heavy-duty, flexible impact knuckle protection
- · Anti-vibration palm padding
- Dexterous, light-weight palm material
- Reinforced palm and fingers

MACIMP-O-M	M
MACIMP-O-L	L
MACIMP-O-XL	XL
MACIMP-O-XXL	XXI



BLACK IMPACT SPEEDCUFF GLOVE

- Full pinch-point finger tip coverage
- · Heavy-duty, flexible impact knuckle protection
- Ergonomic embossed palm

MACSPIMP-BLK-M MACSPIMP-BLK-L L MACSPIMP-BLK-XL XL MACSPIMP-BLK-XX XX



COYOTE CAMOUFLAGE IMPACT SPEEDCUFF GLOVES

- Full pinch-point finger tip coverage
- Heavy-duty, flexible impact knuckle protection
- Ergonomic embossed palm

MACSPIMP-CAMO-M	M
MACSPIMP-CAMO-L	L
MACSPIMP-CAM-XL	XL
MACSPIMP-CAM-XX	XX



GRAY GLOVES WITH BLACK NITRILE DIP

- · Durable nitrile palm coating provides great oil grip, better abrasion and puncture resistance to ANSI level 1
- Seamless nylon shell for extra comfort and extended wear
- Knit wrist keeps dirt out
- Machine washable

ROC10TM	M
ROC10TL	L
ROC10TXL	XL



BLACK NITRILE GLOVES

- Better puncture resistance and durability than typical latex gloves
- Withstands most automotive oils and chemicals better than latex
- Textured fingertips for improved grip
- Powder-Free
- Thickness: 4mil Palm, 5mil Finger
- *Single Use Only, Quantity: 100

B-296-M	M
B-296-L	 L
B-296-XL	 XL



GLOVEPLUS® HD BLUE LATEX GLOVES

- GlovePlus HD latex gloves are almost four times thicker than standard gloves and feature an extended cuff to cover forearms. They excel in demanding environments by providing extra protection from chemicals
- · Powder-free glove
- Exam grade
- · Textured fingertips for improved grip
- Chlorinated

AMXGPLHD84100 M AMXGPLHD86100 L AMXGPLHD88100 XL



GLOVEWORKS® INDUSTRIAL LATEX GLOVES

- · Powder-free glove
- · Industrial-grade heavy duty latex
- Fingertip textured for enhanced wet and dry gripping

AMXILHD42100 S
AMXILHD44100 M
AMXILHD46100 L
AMXILHD48100 XL
AMXILHD49100 XXL



MAGGLOVE

MAGNETIC GLOVE DISPENSER

- Magnetic glove dispenser conveniently attaches to your toolbox or any ferrous metal surface
- Two large magnets hold the dispenser in place.
 Or, mount it on a wall using the screw slots provided
- Fits all common sizes of disposable rubber glove boxes, both 50 and 100 packs
- The dispenser has three adjusting springs which can be adjusted as necessary to hold the various box sizes
- Made of powder coated steel



HCW110 HAND AND SURFACE WIPES 8" X 12"

- 110 Double-sided, 12" x 8" towels
- Safer than harsh thinners or gasoline
- Moisturizers to protect your hands
- Clean hands, thousands of surfaces; nearly anything else without water



HC2.5 INDUSTRIAL HAND CLEANER 2.5L • 85 Fluid oz. (2.5L)

- Contains superior skin emollients and skin conditioners
- Washes away completely with no greasy residue
- No dyes, phosphates, or perfumes

*HC2.5-DISP*WALL DISPENSER

- Wall-mounted unit that holds2.5L of cleaner (not included)
- Push lever to dispense cleaner



HC30Z. HAND CLEANER 3 OZ. *HC130Z.*

HAND CLEANER 13 OZ.

- Non-solvent formula eliminates drying and cracking
- Contains superior skin emollients and skin conditioners
- No dyes or perfumes
- Contains natural walnut shell scrubbers
- Thick concentrated formula reduces hand soap use by up to 75%
- Washes away completely with no greasy residue
- No Phosphates



HCPP-30Z. PAINTERS PUNCH HAND CLEANER 3 OZ. CLEANER 400ML

- Quickly removes oil based paints, lacquers, and enamels
- Melts adhesives, sealers, primers, and resins from your skin
- Contains fine walnut shell abrasives to gently deep clean
- Exceptional at removing all marine bottom and topside paints, primers, and fairing compounds
- Enables rapid removal of all repair and refinish materials from the skin without the use of skin damaging solvents
- Does not leave hands "greasy"
- Contains natural soap no synthetic nonylphenolethoxylate





SUPER TOUGH HAND SCRUB® HAND CLEANER

- · Economical; goes three times further
- · Won't irritate or burn;
- leaves hands soft, chap-free
 Cleanup in seconds; cuts
- through dirt and grease
- Size: 64 oz.



HC9060 POWER WIPES HAND CLEANER

- 90 perforated, easy-tear towels saturated with a special, heavy-duty hand cleaning solution
- Textured polypropylene material which aids in deep cleaning soils from your hands while the solution effectively dissolves grease, grime, oil, lubricants, paints, adhesives, inks, tar, and more

PROTECTION SAFETY GLASSES



MATTE BLACK/CLEAR LENS S2941XP

MATTE BLACK/SMOKED LENS HYPERSHOCK™ SAFETY GLASSES

- Uvex Hypershock[™] eyewear delivers a combination of high-performance protection and aggressive sport styling
- Full-frame design offers high impact protection, with streamlined padded temples and a molded nosepiece for a secure, comfortable fit
- · Clear Uvextreme Plus Anti-Fog lens



CLEAR LENS ANTI-FOG LENS

CLEAR LENS ANTI-SCRATCH LENS PROTÉGÉ SAFETY GLASSES

- · Floating lens design offers flexibility and fit
- Ultra-lightweight at 27.5 grams for all day comfort
- Secure wrap-around brow expands to fit a wide range of users
- Metallic black frame



S4500 - BLACK FRAME CLEAR LENS

FALCON EYEWEAR

• Scratch-resistant lenses block over 99% UVB and UVA exceeding ANSI Z80.3



S3761 - 1.5X

53762 - 2.0X

S3763 - 2.5X

READER **MAGNIFICATION**

- Soft, flexible nasal fingers
- Padded temple tips and cushioned brow
- · Adjustable temple lengths



S3200 BLACK FRAME

CLEAR LENS GENESIS EYEWEAR

- · Designed for all-day comfort
- Impact resistant



S3208

GAS WELDING AND BRAZING SPECTACLES

- Looks and protection
- · Wraparound uni-lens
- Lightweight
- Spatulite temples



11250810

ANTI-FOG INDIRECT CHEMICAL SPLASH

- Wraparound with antistatic lens allows wide field of vision
- Over-the-glass (OTG) design fits over most prescription eyewear
- · Adjustable headband



S3970D

STEALTH OTG GOGGLES

- · Ideal for impact, dust airborne particles
- Perfect for grinding and sanding
- · Dura-streme coated lens for anti-fog and anti-scratch



S0620X

FRAME SEISMIC **SEALED EYEWARE**

· Flexible design can be used with temple or headband, with or without cushioned frame





FACE AND HEARING PROTECTION



SA5141 **HEADGEAR/FACE** SHIELD COMBO 96731-05 - SHADE #3

- · Lightweight construction for all-day use
- Extra soft brow pad and nape strap deliver superior comfort

96731-06 - SHADE #5

• Tension adjustment ensures that visor will stay in place when raised



S8500 **BIONIC FACE SHIELD**

- · Enhanced protection from airborne debris
- · Excellent optics and increased visibility
- · Lightweight and balanced ergonomic

REPLACEMENT VISORS S8550 - CLEAR 0.040"



FACE SHIELDS

- Top quality 0.040" acetate sheeting
- Size: 8" x 15-1/2" [203.2mm x 393.7mm]

96731-01 - HEADGEAR

96731-02 - CLEAR VISOR

96731-03 - GRAY VISOR

96731-04 - CLEAR VISOR WITH ANTI-FOG



RWS-53016 **BLUETOOTH® EARMUFFS**

- · Bluetooth® enabled for streaming music
- · Lithium-lon battery featuring 16+ hours of battery life while streaming
- Robust boom microphone with windsock for voice clarity in high-noise environments
- Noise Reduction Rating (NRR): 25



SPORT MUFF WITH MP3 INPUT

- NPR 23 dB protection
- Plug in your MP3 or other portable audio devices



QM24+

EAR PROTECTORS

- Lightweight extra-wide cups
- · Slide adjustable headband
- Meets ANSI S3.19 standards
- NRR: 22 in the over-the-head position



QB2HYG

HEARING PROTECTORS

- · Noise Reduction Rating (NRR) is 25 dB when used as directed
- One set of replacement pads



CORDED EAR PLUGS -100-PK.

· Corded design allows user to hang ear plugs around neck for non-use situations



MAX-1

UNCORDED EAR PLUGS -200-PK

· Bell-shaped earplug offers users maximum in-ear comfort, along with high attenuation

PROTECTION KIVEE PADS



- Tough K-Resin shells with form-fitting foam redirect pressure from your knees
- Hinged design supplies greater stability and pressure management
- Custom-molded eva foam disperses body weight and provides maximum stability



 Hinged design supplies greater stability and pressure management

class abrasion resistance

NAMAR[™] abrasion defense provides world-



2-IN-1 NON-MARRING KNEE PADS

- Tough K-Resin shells redirect pressure from your knees (removeable)
- Single elastic strap helps avoid painful bunching and won't retain moisture
- Custom-molded eva foam disperses body weight and provides maximum stability



KP93180 **FOAM KNEE PADS**

- · Custom-molded eva foam disperses body weight and provides maximum stability
- · Adjustable truss system fits any size calf to help prevent strained muscles and ligaments
- · Single elastic strap helps avoid painful bunching

KP93178

HARD CAPS

- Textured surface on PA-66 polymer caps adds extra grip and wear resistance
- PROLOCK[™] design a twist-to-lock system (knee pads sold separately)



KP93177

WET SURFACE KNEE PADS

- Durable copolymer shell offers multipurpose protection for both wet and dry conditions
- Single elastic strap helps avoid painful bunching and won't retain moisture
- · Custom-molded eva foam disperses body weight and provides maximum stability



GEL KNEE PADS

- Lightweight TPE compression gel absorbs hard impacts and delivers greater comfort
- · Adjustable truss system fits any size calf to help prevent strained muscles and ligaments
- Single elastic strap helps avoid painful bunching
- NAMAR[™] abrasion defense provides worldclass abrasion resistance 93181

KP93179

NON-MARRING CAPS

- · Flexible copolymer shell protects working surfaces from damage
- PROLOCK[™] design a twist-to-lock system (knee pads sold separately)

PROTECTION COVERS



FC100

CLING-ON FENDER COVER 2-PK.

- Plasticized vinyl-coated foam construction
- Die-cut finished edge
- Dimensions: 24" x 36"



FCHD1B

HEAVYWEIGHT FENDER COVER

- 115-Gauge acid and grease-resistant vinyl
- · Sewn-in tool ridge
- Waffle backing
- Dimensions: 27" x 34-1/2"



LIGHTWEIGHT FENDER COVER

- · 70-Gauge acid and grease-resistant vinyl
- Tool ridge
- Smooth backing
- Dimensions: 27" x 34-1/2"



SC300-BLK

BLACK SEAT COVER

- Universal re-usable protective seat cover
- · Oil, water, grease, and paint-resistant
- Patented design resists movement
- Side air bag compatible



FCM5435B

MAGNETIC FENDER COVER

- 110-Gauge acid and grease-resistant vinyl
- · Six built-in magnets for tool and part storage
- · Smooth backing
- Dimensions: 17" x 34"



MOTORCYCLE TANK COVER

- 24" x 36" Tank cover protects the fuel tank while working
- Constructed of anti-slip material



ACCESSORIES



KC320 QUICK DISCONNECT **KEY CHAIN**

- · Solid brass with bright nickel-plating
- · Separate like a coupler and plug



KB5C **RETRACTABLE KEY CHAIN**

- · Has spring clip to fit belt or pocket
- · Self-retracting



CREEPER PAD

• Normal creepers are sometimes either too tall, or being on wheels makes them difficult to use.



KP1169 **KNEELING PAD**

- · Manufactured from closed cell, cross-linked polyethylene foam
- Tear-resistant cell structure resists grease, oil, and dirt
- Layers are heat fused to help eliminate the possibility of delamination



MACPAD2 **MECHANIC'S PAD**

- Thick foam cushion for extra comfort
- · Heavy-duty vinyl cover
- Folds for easy carrying and storage
- Measurements: 47" x 17" for 799 sq-in. of space



AP16

16" KEVLAR ARM PROTECTOR

- Protects forearms when getting into those tight tricky engine areas
- · Inherently flame-resistant; will not support combustion
- · Lightweight super tough fiber: is five times stronger than steel
- · One size fits all
- · Packaged as pair



KVBK18TST

18" KEVLAR SLEEVE

- 100% Para-Aramid machine knit
- · Seamless, extra wide two-ply construction
- Thumb slot and Velcro fastener at bicep
- Exceptional cut, puncture, abrasion, heat and flame-resistance-ANSI Cut Level 4



AP22

NOMEX® 22" ARM PROTECTOR

- For use around hot engines and other hot metal surfaces (not to exceed 500° F) without burning hands and arms
- Made of Dupont Nomex® III
- One size fits all
- Stretch knit retains shape after repeated washings

INSPECTION PICK-UP TOOLS



• The shaft is a flexible spring that covers the magnet until the lever is pushed to expose the magnet

- · No more trouble trying to get that object you want
- to pick up and sticking to something you don't

FLEXIBLE SPRING CLAW

- · Reaches inaccessible, awkward places
- Press-action to expand and retrieve
- · Release plunger to grip tight
- · Reaches behind to grasp hot utensils or any materials





642

FLEX MAGNETIC PICK-UP TOOL

- Powercap[®] slides over magnet and shields its sides from attaching to unwanted
- Long aluminum shaft can be bent at any angle to retrieve dropped metal objects in hard to reach areas
- Textured cushion grip will not slip

MHTLP1

LED LIGHTED PICK-UP TOOL WITH ROTATING HEAD

MHTLP2

LED LIGHTED PICK-UP TOOL

- LED-lighted magnetic pick-up tools lift objects weighing up to 8 lbs.
- Heads prevent the tool from attaching to unwanted metal surfaces
- All tools feature cushioned handles that will not slip in wet or oily hands

16MLT

LIGHTED MAGNETIC **FLEXIBLE PICK-UP TOOL**

- Four-iaw claw opens wide to securely grasp hard-to-reach objects
- Flexible spring easily fits into tight areas
- Heavy-duty aluminum head with handy side świtch turns on/off bright LED light
- Overall Length: 25-11/16"

INCLUDES:

[2] CR2032 Lithium Batteries

PRODUCT #	COMPACT LENGTH IN. / MM	EXTENDED LENGTH In. / MM	LIFT POWER LBS.
MPF12X	_	22" / 558.8	1-1/2
FD622	_	22" / 558.8	2
MHT2FL	-	29" / 736.6	5

PRODUCT #	COMPACT LENGTH IN. / MM	EXTENDED LENGTH IN. / MM	LIFT POWER LBS.
MHTLP1	7-1/4" / 184.2	30-3/4" / 781	8
MHTLP2	6-3/4" / 171.5	30-1/4" / 768.4	8
16MLT	-	25-11/16" / 652.5	1-1/2



SUPER-STRENGTH MAGNETIC PICK-UP TOOLS

PRODUCT #	COMPACT LENGTH IN. / MM	EXTENDED LENGTH IN. / MM	LIFT POWER LBS.
MHT1	6-5/8" / 168.3	33-1/4" / 844.6	2
MHT2	6-5/8" / 168.3	33-1/4" / 844.6	5
МНТ3	6-3/4" / 171.5	30-1/4" / 768.4	10
MP28X	5-5/16" / 134.9	23-3/16" / 589	3-1/2

TFM500A POWER FLEX

 Neodymium-iron-boron extra high flux magnets

MM1618 MEGA-MAG PICK-UP TOOL

• Neodymium-iron-boron extra high flux magnets

MP18A

TELESCOPIC POCKET MAGNETIC PICK-UP TOOL

• Neodymium-iron-boron extra high flux magnets

MP36

36" HEAVY-DUTY MAGNETIC PICK-UP TOOL

- Extends from 21" to 36" and is rated to lift up to 9 lbs.
- Made of rigid aluminum and utilizes a neodymium magnet
- Three times stronger than a standard magnet
- · Comfortable foam grip handle

MP5A TELESCOPIC FLEX MAGNETIC PICK-UP TOOL

 Neodymium-iron-boron extra high flux magnets

MINI-FLEX MAGNETIC PICK-UP TOOL

- Super strong neodymium magnet picks up all ferrous metal objects up to 2 lbs.
- Adjustable telescoping action extends from 4-1/2" to 13" with a 2-1/2" flexible segment to get into tight spots

PRODUCT #	COMPACT LENGTH In. / MM	EXTENDED LENGTH IN. / MM	LIFT POWER LBS.
TFM500A	-	20" / 508	1-1/2
MM1618	7-1/8" / 181	30-1/4" / 768.4	16
MP18A	5-1/4" / 133.4	17-1/2" / 444.5	1-1/2

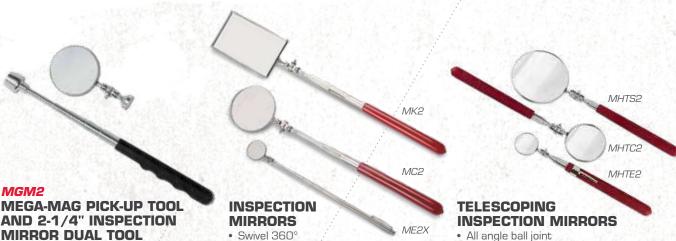
	PRODUCT#	COMPACT LENGTH IN. / MM	EXTENDED LENGTH IN. / MM	LIFT POWER LBS.
	MP36	21" / 533.4	36" / 914.4	9
	MP5A	16-3/4" / 425.5	26-3/4" / 679.5	5
ŀ	L66540	4-1/2" / 114.3	13" / 330.2	2

INSPECTION TELESCOPING MIRRORS



LIGHTED INSPECTION MIRRORS AND PICK-UP TOOL

- LED-lighted magnetic pick-up tools lift objects weighing up to 8 lbs.
- Heads prevent the tool from attaching to unwanted metal surfaces
- · Lighted mirror illuminates area
- Swivel head allows for infinite positioning
- All tools feature cushioned handles that will not slip in wet or oily hands



AND 2-1/4" INSPECTION MIRROR DUAL TOOL

- 2-1/4" Inspection mirror with metal base mounts to Mega-Mag in seconds to bring hidden areas into full view.
- · Lifts up to 16 lbs.

COMPACT LENGTH	EXTENDED LENGTH	LIFT POWER
IN. / MM	IN. / MM	LBS.
9" / 228.6	34-1/4" / 870	16

- · Copper-backed clearview mirror
- Tempered, spring steel construction
- Vinyl grip

- · Cushion-grip handle
- · Clear glass
- Stainless steel telescoping handle

PRODUCT	COMPACT LENGTH IN. / MM	EXTENDED LENGTH In. / MM	MIRROR DIAMETER In. / MM
ME2X	5-7/8" / 149.2	26-3/4" / 679.5	1-1/4" / 31.8
MC2	10" / 254	14" / 355.6	2-1/4" / 57.2
MK2	11-1/4" / 285.8	15-1/4" / 387.4	2-1/8" x 3-1/2" / 54.0 x 88.9
MHTE2	6-1/2" / 165.1	35" / 889	1-1/4" / 31.8
MHTC2	6-1/2" / 165.1	36-3/8" / 923.9	2-1/4" / 57.2
MHTS2	6-1/2" / 165.1	29-1/2" / 749.3	3-1/2" / 88.9



HTK-2LT **LED LIGHTED TELESCOPING INSPECTION MIRROR**

- · Rectangular inspection mirror
- Telescoping handle from 6-3/4" to 30-1/4"
- Three LED lights can be adjusted for tight areas
- All Angle Ball Joint
- Cushion-Grip Handle

MHTK2

TELESCOPIC RECTANGULAR **INSPECTION MIRROR**

- 2-1/8" x 3-1/2" Rectangular head
- · Quick-release tab on mirror case helps to easily replace mirror
- All-angle ball joint holds mirror head firmly at any angle
- Stainless steel handle is long, strong, and lightweight
- Adjust from 6-3/4" to 29-3/4"
- · Heavy-duty grip will not slip in wet or oily hands

MHTC2L **CIRCULAR EXTRA LONG MAGNIFYING INSPECTION MIRROR**

- 2-1/4" Diameter magnifying mirror head enlarges viewing surface
- Telescopes from 12" to 4' 3"
- · Stainless Steel handle is long, strong, and lightweight
- · Textured cushioned grip will not slip in wet or oily hands

OIL CAN



OC630 16-OZ. PISTOL GRIP OILER WITH RIGID SPOUT

- Tin-coated steel interior prevents corrosion
- 16-oz. Capacity





15 PAME AND AME





SPRAYING SPRAY GUNS AND ACCESSORIES

SG1100-10 **MINI HVLP GRAVITY SPRAY GUN**

- Great for small area repairs and detail work
- Well-balanced and lightweight
- Includes a 150cc cup and aluminum lid
- 1.0mm Fluid tip





WATERBORNE **COMPLIANT HVLP FULL-SIZE GRAVITY SPRAY GUNS**

- Well-balanced and lightweight
- Comes complete with 600cc aluminum cup with lid
- Air Inlet 1/4 NPS male
- Fluid Inlet 3/8"
- Inlet air pressure 29 psi

PRODUCT #	AIR CONSUMPTION CFM	APPLICATIONS	FLUID TIP MM
SG1300-13	6.8	Base Coat - Clear Coat High Solids	1.3
SG1300-14	6.9	Clear Coat - Medium Solids	1.4
SG1300-15	6.1	Single Stage - High Solids Primer	1.5
SG1300-18	6.1	Acrylic Enamel - High Build Primer	1.8



SGC151 150CC PAINT CUP Fits Mini HVLP SG1100-10



600CC PAINT CUP Fits all SG1300 Series



SGFIL 5-PC. DISPOSABLE **CUP FILTER**

 Keeps the inner workings of spray gun free of debris for a proper spray pattern and superior finish



SGH1 **MAGNETIC SPRAY GUN HOOK**

· Large heavy-duty magnet holds your paint gun without having to drill holes in your paint booth



35662

GRIP 'N PAINT COMBO

- · Paint 'N Stick powerful magnets, attaches easily to painted parts, paint booth walls or hang for drying
- Grip 'N Paint Pliers locking handle holds lightweight mirror covers and small parts



GREAT TO WORK WITH

ACU1 AIR CONTROL UNIT WITH REGULATOR

- Removes water, oil, and other contaminants and regulates air pressure
- 160 PSI inverted air gauge
- 120 CFM capacity air filter
- 50 CFM chrome-plated regulator
- Air Inlet: 1/2" NPT
- Air Outlet: 1/4" NPT



ACU1F

FILTER ELEMENT AND GASKET FOR ACU1



ACU1G
PRESSURE GAUGE
FOR ACU1





ACU1R
REGULATOR
FOR ACU1

SGCK-22 (NOT SHOWN)

22-PC. GUN CLEANING KIT

· Cleans virtually any spray gun

INCLUDES:

- (4) Twisted Brushes
- (1) Nylon Exterior Brush
- (1) 6-PC. Stainless Needle Set with Handle
- (1) 5-PC. Precision Mini Brush Set
- [1] 3-PC. Lube Applicator Set with Handle
- (1) 2-PC. Round Bar and Gun Lube

EQUIPMENT HEADLIGHT SERVICE



HAR4540 HEADLIGHT ADJUSTING RATCHET

- Used to adjust aerodynamic headlights with rear-mounted adjusters on newer Ford vehicles
- 4mm Hex with a roller clutch for infinite settings

FILES AND HOLDERS



AB16PA

CYCOLAC PLASTIC SPEED FILE

- · High-quality, easy-to-use sander file
- Features balanced hand grips
- Lightweight
- 50% Faster cutting action
- Uses 2-3/4" x 17-1/2" standard abrasives
- Overall Length: 17-1/2" (444.5mm)



ADJUSTABLE FILE HOLDER

- Top quality file holder for 14" body files
- Turn buckle design permits flexing
- Rotating handle designed for right or left hand use







BFT1316

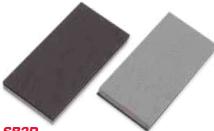
PAINT DE-NIBBER FILE

- · The ideal tool for drips, runs, and errors in your otherwise perfect paint job
- Hardened file with two faces in an ergonomically designed rubber grip
- · Handle securely holds the mini-file in proper position
- Easily flipped from course to fine
- · Course cut side for fast cutting
- · Fine cut side for finishing



5" RUBBER SANDING BLOCK

- Rubber flat bottom, 2-3/4" x 5", uses standard 3" x 8" abrasive paper
- · Molded nails secure paper on each end



DOUBLE DENSITY SANDING BLOCK

- · Gray side is soft and pliable for sanding irregular surfaces; black side is stiff for faster sanding on curved surfaces
- Size: 2-1/2" x 5" x 5/8"





BODY REPAIR



- 10-Ton Hydraulic body/frame repair kit for pushing and horizontal or vertical spreading
- Rugged, blow-molded storage case with handle

INCLUDES:

- [4] Extension Tubes: 28-3/4", 19-3/4", 11-3/4", 7-7/8"
- (1) Male Connector
- (1) Pressure Gauge
- (1) 90° Combination Head
- (1) Serrated Saddle (1) Plunger Toe
- (1) Rubber Head
- (1) Wedge Head
- (1) Hydraulic

- (1) Hose Spreader
- (1) 90° Combination Head

- (1) Hose
- (1) Hydraulic Spreader









MDV-787

MINI-DUCTOR® VENOM™ HP

- Generates Invisible Heat to release ferrous and some nonferrous metals from corrosion and thread lock compounds without the dangers of open flame and up to 90% faster 3/4" nuts are turned red hot in less than 15 seconds
- Lightweight, ergonomic design allows for induction heat to access hard to reach places more easily Coil Twist Lock™
- · Coils lock down with one simple turn
- LED Usage Indicator will light red LED lights under fault conditions and green LED lights while the trigger is active and the tool is heating properly
- Fault Override Delay: any event that causes the red LED to illuminate will protect the tool by starting a three second lock out.
- Fan Operation Enhancements: the fan continues to run after the trigger is released to aid in thermal cycle time reduction, and will stay powered when the thermal switch opens to aid in cooling the tool
- 1800w power



MDV-777

MINI-DUCTOR® VENOM™

- Generates Invisible Heat to release ferrous and some nonferrous metals from corrosion and thread lock compounds without the dangers of open flame and up to 90% faster 3/4" nuts are turned red hot in less than 15 seconds
- Lightweight, ergonomic design allows for induction heat to access hard to reach places more easily Coil Twist Lock $^{\!^{\mathrm{IM}}}$
- Coils lock down with one simple turn
- LED Usage Indicator shows fault conditions and green LED lights while the trigger is active and the tool is heating properly
- Fault Override Delay: any event that causes the red LED to illuminate will protect the tool by starting a three second lock out.
- Fan Operation Enhancements: the fan continues to run after the trigger is released to aid in thermal cycle time reduction, and will stay powered when the thermal switch opens to aid in cooling the tool
- 1000w power



FLAMELESS HEAT SYSTEMS



MD99-603 BEARING BUDDY COIL



MD99-607 - 1-3/4"



MD99-650

7-PC. MINI-DUCTOR® COIL KIT

- Accessory kit for the Mini-Ductor[®] II
- Enables you to heat and release seized nuts and bolts up to 0.5" in diameter and other metallic hardware from corrosion and/or thread lock compounds

INCLUDES:

- [1] 1-3/4" Pre-Formed Coil (8.75" x 2.25")
- (1) 1-1/2" Pre-Formed Coil (8.5" x 2")
- [1] 1-1/4" Pre-Formed Coil [8.25" x 2"]
- (1) 1" Pre-Formed Coil (8.25" x 1.75")
- [2] 7/8" Pre-Formed Coil [5" x 1.25"] (1) 3/4" Preformed Coil (4.5" x 1.25")

MD99-675

8-PC. LONG COIL KIT FOR MINI-DUCTOR® II

· Heat and release seized nuts and bolts up to 1.5" in diameter and other metallic hardware from corrosion and/or threadlock compounds

LONG COIL KIT

INCLUDES:

- (2) 1" Pre-Formed Coil (13.25" x 1.75")
- (2) 7/8" Pre-Formed Coil (13.25" x 1.25")
- [1] 3/4" Pre-Formed Coil (13.25" x 1.25")
- [1] 1-3/4" Pre-Formed Coil [13.25" x 2.25"]
- (1) 1-1/2" Pre-Formed Coil (13.25" x 2")
- [1] 1-1/4" Pre-Formed Coil [13.25" x 2"]

MD99-604 REPLACEMENT MINI-PAD FOR MINI-DUCTOR® II INCLUDES: [1] Mini-Pad attachment (9.5" x 3.5") (1) Head (3.75"W x 3.5"W)







HG150 ECONOMY HEAT GUN

HG1500K

VARIABLE TEMPERATURE HEAT GUN KIT

- Variable temperature and cool air stage for maximum versatility
- Ergonomic design with soft grip handle for comfortable long-term use
- Three-stage airflow switch cool/low/high for maximum user control
- · Reinforced heating element
- Heat Output (Variable): 140 1050°F
- Output Voltage: 1,400W

INCLUDES:

- [1] Spreader
- (1) Reflector Nozzles
- (1) Heavy-Duty Carrying Case

HG750

750°F-1000°F HEAT GUN

- Temperature range: 750 1000°F
- Output: 1750 W
- Airflow: 23 CFM

INCLUDES:

(1) Stand









SBC40391

POLYMER BLAST CABINET

- Made of low density polyethylene polymer (LDPE)
- One-piece construction reduces leaks
- · Pistol grip gun
- Optional foot pedal kit available
- Air volume is minimum 7 CFM at 80 PSI; standard is 15 CFM at 80 PSI
- Durable Lexan® windows
- · Peel and stick protective underlay
- · Recommended for small parts, wheels, hobbyists, brake parts, and tools

FOOTPRINT	WEIGHT	WORK AREA	
In. (W x d)	LBS. / KG	In. (W x H x D)	
36" x 24"	55 / 24.95	36" x 24" x 24"	

REPLACEMENT PARTS AND ACCESSORIES

	PRODUCT #	GLOVES	WINDOW LENS	WINDOW UNDERLAY	BLAST GUN	BLAST GUN FOR FOOT PEDAL	FOOT PEDAL KIT	
į	SBC40391	AC40428	ALC11647	ALC11699 (5-PK.)	ALC40153	ALC11665	ALC11666	
ì	SBC40403			ALC40252				
	SBC40411	ALC40248	ALC40248 ALC40251	(10-PC. Roll 12"x120")	AC40153	AC11665	AC11666	
	SBC40413			12 X120 J				

STEEL ABRASIVE BLAST CABINET

- · Ideal for removing paint, rust, scale and oxidation any type of irregular surfaces where other forms of preparation are difficult
- 80-125 psi operating range
- Minimum air volume of 15 CFM @ 80 psi
- Fully-welded construction with no seams or leak points helps keep the blasting operation contained inside the cabinet
- Large viewing windows give the operator a wide viewing area
- Oversized hinged top door opening and hinged side door opening allows the operator to easily load a wide variety of items
- Heavy-duty angle iron legs provide a strong and stable foot print
- 150 Watt max light kit and 112 CFM dust collector help the operator to maintain a good visual in heavy blasting operations
- Armholes spanning the length of the cabinet allow the operator the versatility to work on longer items without moving the item
- Foot pedal controlled siphon blast gun reduces operator hand fatigue
- · Grate capacity 200 lbs. allows the operator to blast heavier items such as cylinder heads

PRODUCT #	FOOTPRINT In. (W x d)	WEIGHT LBS. / KG	WORK AREA In. (W x H x d)
SBC40403	36" x 24"	272 / 123	36" x 23" x 24"
SBC40411	48" x 24"	303 / 138	48" x 23" x 24"
SBC40413	60" x 24"	340 / 154.2	60" x 23" x 24"

HAND TOOLS BODY REPAIR KITS



7-PC. WOODEN HANDLE AUTO BODY REPAIR TOOL SET

BTS7F

7-PC. FIBERGLASS HANDLE **AUTO BODY REPAIR TOOL SET**

- Drop-forged hardened steel
- Machined and polished work surfaces
- Meets ASME/ANSI standards
- Hardened steel machined, and polished large round work surface





- [1] BT1036DS Light Dinging Spoon
- (1) **BT1058TD** Toe Dolly
- (1) BT1059HD Heel Dolly
- (1) BT1060GPD General Purpose Dolly
- (1) Blow-Molded Case

PRODUCT #	# DESCRIPTION				
BTS7W 7-PC. Wooden Handle Auto Body Repair Tool Set					
BTS7F	7-PC. Fiberglass Handle Auto Body Repair Too	l Set			
BT1036DS	DS Light Dinging Spoon				
BT1058TD	Toe Dolly	•	•		
BT1059HD	Heel Dolly				
BT1060GPD	General Purpose Dolly	•	•		
BTH153CRF	Fiberglass Handle Curved Chisel Hammer	•			
BTH153CR	Wooden Handle Curved Chisel Hammer		•		
BTH164UPF	Fiberglass Handle Utility Pick Hammer	•			
BTH164UP	Wooden Handle Utility Pick Hammer		•		
BTH162SF	Fiberglass Handle Shrinking Hammer	•			
BTH162S	Wooden Handle Shrinking Hammer		•		



BTH153CCF - FIBERGLASS **CROSS-CHISEL HAMMERS**

- · Excellent for finishing
- · Cross-peen used for working in sharp corners, around molding, and for caulking
- · Weight: 0.9 lbs.

BTH153CCS

CROSS-CHISEL SHRINKING HAMMER WITH WOOD HANDLE

- Cross-grooved
- · Extra wide faces are cross grooved and used for shrinkage on large surfaces chisel end used on sharp corners
- · Hickory handle with lacquer finish, hardened steel machined, and polished large round work surface
- · Weight: 0.9 lbs.



Medium-size point and reach

PICK HAMMERS

- Low-crown strawberry point for balance
- Drop-forged hardened steel
- Machined and polished work surfaces
- Meets ASME/ANSI standards
- · Weight: 0.9 lbs.,
- Face radius: 3/32"





BTS4W

4-PC. WOODEN HANDLE AUTO BODY REPAIR TOOL SET

4-PC. FIBERGLASS HANDLE **AUTO BODY REPAIR TOOL SET**

- Drop-forged hardened steel
- Machined and polished work surfaces
- Meets ASME/ANSI standards
- · Hickory handle with lacquer finish, hardened steel machined, and polished large round work surface



INCLUDES:

- [1] BT1036DS Light Dinging Spoon
- (1) BT1058TD Toe Dolly
- (1) Blow-Molded Case

PRODUCT #	DESCRIPTION			
BTS4W	W 4-PC. Wooden Handle Auto Body Repair Tool Set			
BTS4F	4-PC. Fiberglass Handle Auto Body Repair Too	Set		
BT1036DS	Light Dinging Spoon	•	•	
BT1058TD	Toe Dolly	•	•	
BTH153CRF	Fiberglass Handle Curved Chisel Hammer	•		
BTH153CR	1153CR Wooden Handle Curved Chisel Hammer			
BTH158GPF	GPF Fiberglass General Purpose Hammer			
BTH158GP	Wooden Handle General Purpose Hammer		•	
BTH14HRA	14" Round Handle-New Style			
BTH14RH	Body Hammer Replacement Handle			

BTH153CR - WOOD **BTH153CRF** - FIBERGLASS **CURVED CROSS-CHISEL HAMMERS**

- Curved Chisel
- Drop-forged hardened steel
- · Machined and polished work surfaces
- Meets ASME/ANSI standards
- · Weight: 0.9 lbs.

BTH155FB - WOOD **BTH155FBF** - FIBERGLASS FENDER BUMPING HAMMER

- For bumping where hand and dolly cannot reach
- Ample clearance for obstructions
- Also used as a caulking iron
- · Weight: 2.8 lbs.

BTH162S - WOOD **BTH162SF - FIBERGLASS**

SHRINKING HAMMERS

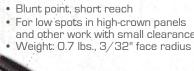
- · For work in close quarters
- Expertly machined serrations on the round face
- · Weight: 0.8 lbs.

BTH164UP - WOOD **BTH164UPF** - FIBERGLASS **UTILITY PICK HAMMER**

- and other work with small clearance

BTH170DS - WOOD **BTH170DSF** - FIBERGLASS **DOOR SKIN HAMMER**

- For high-crown work and finishing, without poking holes in thin sections
- Weight: 0.9 lbs.





HAND TOOLS HAMMERS, SPOONS, AND DOLLIES



UNIVERSAL DOUBLE-ENDED TRIM HOOK TOOL

- Designed to safely pry small bezel components from interiors without damage
- Pointed tip fits great in very small gaps
- Made of durable plastic

BT1036DS

LIGHT DINGING SPOON

 When held against a ridge and struck with a hammer, spreads the blow over large area

BT1052SD **SPOON DOLLY**

· Forming and caulking tool for the deep pockets of quarterpanels, rear fenders, and lower trunk panels



BT1057LTD **LIGHT TOE DOLLY**

· Designed for flat surfaces



BT1058SD SHRINKING DOLLY

• Shaped like the BT1057LTD but has one face covered with raised serrations for shrinking metal stretched by dents



TOE DOLLY

- · Thinness and length provides easy accessibility to narrow pockets
- · Large, flat face used in shrinking and dinging flat panels
- The flat sides furnish a convenient anvil for repairing flanges



BMD100 MULTI-DOLLY MINI

BMD200

MULTI-DOLLY STANDARD

- Smoothing round face
- · Smoothing round curve
- · End curve dolly
- · Spoon curve dolly
- · Flat face with bent curve
- Small curve wedge dolly
- Awl type dolly



BT1060GPD

GENERAL PURPOSE DOLLY

- Provides convenient and comfortable hand hold during heaviest blows
- Weight, balance, and several differently crowned working faces, together with two beading and flange lips, give this dolly broad general use



BT1070RHD RUBBER HEEL DOLLY

· Weighted hard rubber to match weight of hammer



BT1059HD **HEEL DOLLY**

· Reach easily into sharp corners and wide radius









BTS5A 5-PC. ALUMINUM BODY TOOL SET

- Aluminum hammers help prevent cross contamination on aluminum bodied vehicles
- Aluminum hammers provides a more forgiving strike, avoiding further damage to aluminum panels
- Lighter weight alternative to steel hammers
- Rubber dollies provide a lighter option when accessing a tight, confined location behind an aluminum panel

NCLUDES:

- (1) BTH018BA Bumping Hammer Aluminum
- (1) BT018GPDAR Rubber General Purpose Dolly
- (1) BT018HDAR Rubber Heal Dolly

mac Tools

- (1) BTH018PFA Pick/Finishing Hammer Aluminum
- (1) BT018TDAR Rubber Toe Dolly
- (1) Blow-Molded Case



SOFT STRIKE™ ALUMINUM CONVERSION KIT

 With many vehicles now using aluminum, including the new Ford 150 body, using everyday steel tools can cause galvanic corrosion on aluminum components

 Many rubber dollies are simply not heavy enough to work effectively

 Maximize your existing steel body tool investment by using Soft Strike™ Aluminum Covers to also work on aluminum body components



Kit includes Soft Strike™ covers only, Hammer, Spoon, and dollies shown for reference only and not included

PRODUCT #	CROSS PEEN	CURVED CHISEL	DROP- FORGED	EXTRA WIDE FACE	FIBERGLASS HANDLE	FINISHING Hammer	FLAT ROUND FACE	HICKORY Handle	HEAT-TREATED HEADS	POLISHED Striking Surface	SERRATED CROSS GROOVES
BTH153CC	•		•	•		•	•	•	•	•	
BTH153CCF	•		•	•	•	•	•		•	•	
BTH153CCS			•	•			•	•	•	•	•
BTH153CR		•						•			
BTH153CRF		•			•						
BTH155FB			•					•	•	•	
BTH155FBF			•		•				•	•	
BTH158GP			•	•			•	•	•	•	
BTH158GPF			•	•	•		•		•	•	
BTH162S			•				•	•	•	•	•
BTH162SF			•		•		•		•	•	•
BTH164UP			•					•	•	•	
BTH164UPF			•		•				•	•	
BTH170DS			•			•		•	•	•	
BTH170DSF			•		•	•			•	•	



1,500 LBS. EASY ROLLER™ WHEEL **DOLLY POSITIONING SYSTEM**

- · Provides a simple and efficient method of moving a disabled vehicle around a shop
- · Position at each wheel of a vehicle weighing up to 6,000 lbs. and use the foot pedals to activate the hydraulic lift
- · One individual can easily move the car throughout the garage
- Fits tread widths up to 12" and the four heavy-duty casters support up to 1,500 lbs. per unit
- Hydraulic lift mechanism with locking pin
- Four heavy-duty phenolic casters protect shop floors from damage
- · Weight: 44 lbs.
- · Item sold as one or individually



PRO-STEP ADJUSTABLE

· Lower it to sit on or raise it to stand on and take care of the top of the vehicle

- 32" x 16" Platform and 500 lbs. capacity
- Wheels on the bottom retract when weight is put on the platform which makes the step stable and safe
- · Height adjustable from 6-1/2" to 22-1/2"



TIRE STEP

· Easily reaches engine, cargo, or roof

- Folds for compact and easy storage
- Heavy-duty steel construction
- Fits on any tire up to 14.5" wide
- · Weight limit 300 lbs.



BTDH500

E-Z REST DOOR HANGER

- · Adapts to floor jacks with a removable saddle and a 1-8/47" to 1-4/21" saddle post hole
- · Padded, removable side rails allow for accurate positioning of door



BTMC-1A 5-PK. MIGHTY MIDGET

- Allows door to be closed to check alignment before welding begins
- Actual size only 5/8" wide
- · Package of five clamps

PANEL CLAMP

BF043S

4-PC. MONKEY-ON-A-STICK JACK SET

- Pushes, pulls, aligns, spreads, or straightens
- No setup necessary ready to use
- 55" Rod

INCLUDES:

- (1) Jack Head
- (1) Friction Rod
- (1) Multi-Purpose Hook
- (1) Extension Handle

BF175

"HUSTLER" POGO-STICK

- Leverage and alignment bar
- Pulls and positions fenders and quarter panels



BT20033

MINI QUARTER PULLER

- · Fits small openings
- Perfect for tail light openings and radiator supports

BT501

DOOR HINGE BUSHING TOOL

· Used to remove door hinge-pins

DHA7554

DOOR HINGE ALIGNER

- Lightweight door hinge aligner tool fits most cars
- Easy-to-use—round leverage bar need not be removed from latch assembly when changing force direction

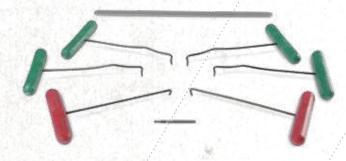
DHPP21835

DOOR HINGE PIN POPPER

- · Quickly removes door hinge pins
- Clearance for door panels

INCLUDES:

Pin Puller to Remove Loosened Pins



BPR6K

PULL ROD SET

- Eliminates removal of headliners and inner panels
- · A must for the body mechanic

INCLUDES:

- (4) Pull Rods with Formed Shanks
- (2) Pick Rods with Straight Shanks
- (1) Stainless Steel Straight Edge
- [1] High-Speed 5/32" Drill Bit

HAND TOOLS WINDOW AND INTERIOR



L48600

OFFSET WINDSHIELD **LOCKING STRIP TOOL**

- · Offset handle for extra clearance and two double-ended tips to fit most applications
- Offset design provides installers extra clearance to work on windshields or other glass on semis, skid loaders and agricultural applications with locking strips



WLT4700A

WINDSHIELD LOCKING **STRIP TOOL**

- Unique design allows tip to swivel. 90° in either direction
- Two double-ended tips to fits most applications





MR151 WINDOW BELT **MOLDING REMOVER**

· Quickly removes all window belt moldings without damage to the window or the molding

L35240 **SMALL BELT MOLDING TOOL**

- Unique flared head design and beveled edges allow the tool to be inserted under the molding at an angle
- · Quickly removes belt molding without damage on many domestic and import vehicles

UPT100-SET

5-PC. PLASTIC **MOLDING/TRIM** REMOVER

- · Great tool's for trim work and plastic upholstery fasteners
- · Use with ease and without scratching the body panel or interior molding

MRS925

MOLDING REMOVER SET

- Two spring steel blades, 2" and 3-1/2", are included for all sizes of body moldings
- The replaceable blades flex to follow the body contour

PRODUCT #	DESCRIPTION	SIZE	SET		
MRS925	Molding Remover Set				
LIS59320	Driver Assembly	-	•		
LIS59300	Blade	3-1/2"	•		
LIS59310	Blade	2"	•		



SD6601

2-PC. LIGHT COVER **REMOVAL SET**

INCLUDES:

- [1] SD66011 Removal Tool-Straight
- (1) SD66012 Removal Tool-Angled



WH6390

WINDOW HOLDER

- · Holds door glass while working on the window regulator
- Works on all cars and trucks with a top door frame



HEAVY-DUTY SINGLE LIFTER CUP

- · Lift heavy loads safely
- Powerful 5" suction cup
- Hand-trigger instant release

664









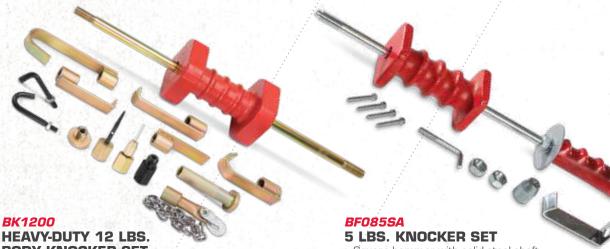
20014C

STUD LEVER COMBO

- · Accurate controlled pulls every time
- · Grips studs (pull pins) quickly and easily
- Standard tool works on both 2.2mm and 2.6mm studs as close as 3/8" apart
- · Black pivoting base helps compress crown as dent is pulled

INCLUDES:

- (1) Straight Edge for Matching **Original Contours**
- (1) **STK20013** Tab-it
- (1) STK20014 Stud Lever



HEAVY-DUTY 12 LBS. BODY KNOCKER SET

• With its heavy-duty 12 lbs. hammer and multiple attachments, this body knocker set is ideal for a multitude of pulling applications

· Square hammer with solid steel shaft

INCLUDES:

- (1) Hammer and Shaft
- (1) Nose Piece
- (1) Puller and Screw Package
- (1) Door Edge Tool
- (1) Nut Package







DS100

SKIN ZIPPER™ DOOR **SKINNING TOOL**

- · Air hammer driven door skinning tool that's affordable for every autobody technician
- · Skins doors in less than ten minutes using self lubricating reinforced nylon head that will crimp regular or adhesive bonded skins
- Crimps the edge tightly for a professional finish with no damage to the skin in an easy two-step process
- · No hammer and dolly work required
- Two side slot widths are included for thick or thin sheet metal skins

STK21891

SKIN ZIPPER™ REPLACEMENT HEAD



MB316-KIT

WAX KIT

Use on tool boxes and vehicles

INCLUDES:

- [1] Wax Applicator
- (2) Micro Fiber Polishing Towels
- [1] 16-oz. Showroom Spray Wax Body Shine
- (1) 16-oz. Super Blue Vinyl/Plastic/Rubber Tire Shine
- [1] 16-oz. Liquid Carnauba Paste Wax



HPF100

FLANGER AND PUNCH TOOL (6MM)

- Swivel head
- Max sheet thickness up to 18-gauge (0.8mm)
- Crimp and punch sheet metal (aluminum, copper, or ductile material)

CRIMP WIDTH	CRIMP WIDTH [MM]	PUNCH	PUNCH [MM]
7/8"	22	15/64"	6
DOLLAR TO A LANGE TO THE PARTY.			

666



HOOD AND TAILGATE SUPPORTS

HH250

HOOD PROP WITH SUPPORT

- Includes a standard hood prop plus a support to help prevent the bottom of the tool from slipping
- The 3-PC. telescoping shaft locks in any position to hold hood to the desired height
- Telescopes from 20" to 48-1/4"

17200

HATCH JAMMER XL

- Easily adjust work angle to a comfortable position and visibility
- J-hook attaches securely to striker and larger loop end locks into latch

INCLUDES:

- [1] STK17100 Hatch Jammer
- [1] STK17150 Extension Tube

HH1000

MONSTER TAILGATE AND HOOD HOLDER

- Tubular aluminum extends from 25" to 5"
- · Holds sport utility or mini-van gates open
- Exclusive double locking system
- Special guide channel ensures the button lock to line up every time



STK21600

ANTENNA NUT WRENCH

- Fits most antenna bezel nuts, domestic, and foreign
- Rugged steel construction

UNIVERSAL SUPPORT CLAMP T-HANDLE

L44870

UNIVERSAL SUPPORT CLAMP WING KNOB

- Holds gas-charged lift supports found on hoods, tailgates, hatchbacks, and trunks
- Aluminum body and brass threads prevent damage to the lift support





HT142

RADIO AND ANTENNA SET

- Eleven-piece kit in molded case
- · Universal antenna wrench
- · Ford radio removal tool
- Deep sockets to remove and install the tamper-proof radio nuts from many GM, Chrysler, and other aftermarket radios
- Antenna nut sockets that cover most import and domestic antenna nuts



21650

ANTENNA WRENCH

- Laser cut from rugged steel
- Measures 4-1/2" x 1-1/2" X 4" along with its unique design expands coverage to more vehicles
- Works as a two, three and four notch bezel nut wrench of any diameter



ANS2965

4-PC. ANTENNA NUT SOCKET SET

PRODUCT #	DESCRIPTION	SIZE	SET
ANS2965	4-PC. Antenna Nut Socko	et Set	
LIS29810	Antenna Nut Socket	#1 x 1-1/4" Hex	•
LIS29820	Antenna Nut Socket	#2 x 7/8" Hex	٠
LIS29830	Antenna Nut Socket	#3 x 7/8" Hex	•
LIS29600	Antenna Nut Socket	#4 x 7/8" Hex	•

HAND TOOLS DOOR LOCK TOOLS

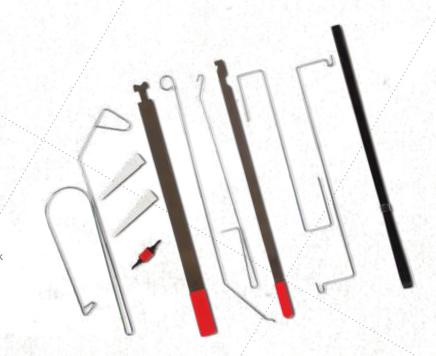
LT450K

11-PC. DELUXE MASTER AUTO LOCKOUT TOOL KIT

 Tool kit unlocks most domestic and foreign cars and trucks

INCLUDES:

- (1) **LOCLT-40** S-Hook
- (1) LOC80A Universal Easy Jim
- (1) LOCLT-95 Slide Jim
- (1) LT100 Plastic Slip Jim
- (1) **LT101** Trip Jim
- (1) **LOC105** Big Jim
- (1) LOCLT-106 Gas Cap Pick-Up Tool
- [1] LOCLT108 Under-Window Slide Lock
- (1) **LOCLT114** J-Tool
- [2] LT271 Plastic Door Wedge
- (1) Kit Bag



LT329 BIG EASY LOCK TOOL

INCLUDES:

- (1) Heavy-Duty One-Piece 1/4" X 56" Lockout Tool
- (1) Sure Grip Lock Button Lifter
- (1) Large Plastic Door Wedge

LT145

EASY ACCESS AND INFLATE-A-WEDGE™ KIT

INCLUDES

- [1] Extension for Cross-Car Long-Reach
- [1] Glow-in-the-Dark Tips
- [1] Short Tip
- [1] Plastic Slip Jim
- [2] Plastic Door Wedges
- [1] Inflate-a-Wedge

LT329G

NITE GLOW LOCK TOOL KIT

INCLUDES:

- [1] **LT32922** Easy Wedge
- (1) STK32915 Big Easy Lockout Rod
- (1) **32920** Big Easy Non-Marring Wedge (1) **STK32924** Non-Marring Paint Protector
- (1) STK32930 Big Easy Lock Knob Lifter

LT335

2-PC. EASY ACCESS AND INFLATE-A-WEDGE™ KIT

INCLUDES:

- (1) Plastic Slim Jim
- (2) Plastic Wedges
- (1) Inflate-a-Wedge™

668





DOOR WEDGES





INFLATE-A-WEDGE™

- Durable, inflatable wedge for use with lockout tools or paintless dent removal
- Heavy-duty construction with hand pump



LT32903 **BIG EASY™ LOOP**

of the Big Easy lockout tool

LT32922

- · Allows grabbing of door handles and locks by clipping to any Big Easy lockout tool
- · Glows in the dark for visibility in dark areas

STK32905

BIG EASY™ EXTEND

- · Open locked doors requiring extra length to reach emergency floor release handles, keys in ignition, and opposite side door handles
- · Snaps onto any Big Easy lockout tool
- · Made from glass-filled nylon, which provides a strong but flexible tool to adapt to any angle required to complete the unlocking process

LT271

PLASTIC DOOR WEDGE

 Non-marring plastic wedge for use with lockout tools

LT276

SELF LOCKING DOOR WEDGE

- Washboard surface of tool self locks in door
- · Great when inserting inflatable air wedges
- Extra wide for extra leverage
- · Holds glass steady against window rubber stripping

32920

NON-MARRING WEDGE

- For basic opening of car door for insertion of Big Easy lockout tool
- Non-marring material prevents damage to paint when in use



HAND TOOLS RIVET TOOLS



PS15-KIT

PROFESSIONAL HAND PLIERS RIVET TOOL KIT

- Robust aluminum casting and vanadium steel handle design
- Setting capacity: aluminum rivets up to 3/16" (4.8 / 5.0mm) body diameter
- · Contoured handle grips for comfort
- Rivet retaining handle design for one-hand operation
- Supplied with nosepieces for 3/32", 1/8", 5/32", and 3/16" (2.4mm, 3.2mm, 4.0mm, and 4.8mm) rivets
- Supplied nosepiece wrench

INCLUDES:

- (2) Nosepieces for 3/32 3/16" (2.4 4.8mm) Rivets
- [2] Jaws for 3/32 3/16" [2.4 4.8mm]
- (1) Jaw Pusher Spring for 3/32 3/16" (2.4 4.8mm) (200) Assorted Rivets
- (60) Back-Up Plates
- (1) Wrench

PS15

RIVET TOOL

· Lightweight, professional grade PS15 tool

PRODUCT #	LENGTH	LENGTH [MM]	WEIGHT [KG]	WEIGHT [LBS.]
PS15	9-13/20"	245	0.6	1.3



PNT110-I-KIT

SAE THREAD **INSERT TOOL KIT**

 Ergonomically designed to fit your hand with contoured grips for comfort

- [1] 190-PC. Assortment of the most commonly used unified thread inserts to be used in a wide variety of applications
- (5) Mandrels and nosepieces for 6-32, 8-32, 10-24, 10-32, and 1/4-20 size inserts

SAE THREAD SETTER (TOOL ONLY)

PNT110-M-KIT

METRIC INSERT TOOL KIT

• Same as the PNT110-I-KIT except in metric version

INCLUDES:

- [1] 190-PC. Variety of metric threaded inserts, ideal for use in a broad range of applications
- (4) Mandrels and nosepieces for sizes: M3, M4, M5, and M6

PNT110-M

METRIC THREAD SETTER (TOOL ONLY)



HEAVY-DUTY LEVER RIVET TOOL

- · Setting capacity 6.4mm diameter
- Telescopic levered high-capacity rivet tool
- Professional standard, heavy-duty steel construction
- Two-position telescopic levers extend to maximize leverage and pulling force
- Non-extended position makes tool more compact
- Supplied with nose-pieces for 3.2mm, 4.0mm, 4.8mm, and 6.4mm diameter rivets

PRODUCT #	LENGTH	LENGTH [MM]	WEIGHT [KG]	WEIGHT (LBS.)
PS45	26"	665	2.6	5-3/4

RIVET TOOLS



AHR274

1/4" SUPER-DUTY AIR RIVETER

- Designed for setting all types of rivets in 3/32", 1/8", 5/32", 3/16", and 1/4" diameters
- · Steel and aluminum alloy construction



AHR273

3/16" AIR/ HYDRAULIC RIVETER

- Comes equipped with 3/16", 5/32", 1/8", and 3/32" nosepieces
- Air pressure ranges from 85 to 110 PSI
- Ideal rivet tool for manufacturers of mobile and prefabricated homes, recreation vehicles, boats, automotive body repair, metalworking shops, and industrial maintenance departments
- Quick release air valve, incorporated into the throttle mechanism, permits cylinder to return quickly for high speed assembly operations



61946

SWIVEL HEAD RIVET TOOL

- Full 360° rotation for easy access to any application
- Steel and aluminum alloy construction

INCLUDES:

- (4) 3/32", 1/8", 5/32", and 3/16" Nosepieces
- (1) Wrench



60930-KIT

PLASTIC RIVET TOOL KIT

- · Sets plastic rivets in one easy stroke
- One-hand operation sets all rivet sizes with a single nosepiece
- Applications for Ford, GM, and Chrysler products

INCLUDES:

- (1) Rivet Tool
- [4] Packs of Rivets in Assorted Sizes
- (1) Plastic Storage Case

60930

PLASTIC RIVET TOOL (TOOL ONLY)



SPRG887

SLIM-LINE PLASTIC RIVETER

- This compact plastic rivet plier is perfect for tight places
- Use on vehicles where plastic rivet clearance is minimal
- Plier is 1" tall and requires 2" clearance to fully pull rivets
- No pumping needed
- · Saves time and disassembly effort
- · Specifically designed for plastic rivets

INCLUDES:

- DTFDF-CT887RL 6.3mm .25" Plastic Pop Rivet (pkg. 50)
- DTFDF-CT887RS 5.0mm .197" Plastic Pop Rivet (pkg. 50)
- (1) Plastic Case

HAND TOOLS SPECIALTY BODY TOOLS



SB20017 SUPER SEAM BUSTER

- Quickly separates spot welded or bonded panels
- Attaches to any air hammer for faster and more efficient separating of quarter panels, rockers, bonded door skins, and any other pinch welds
- Tough steel alloy construction with a cushioned shock absorbing handle

SEAM BUSTER

- Sharpened on two edges
- The sharp end allows for penetration between the panels and the side edge allows for side impact to drive the panels apart without damage
- Super tough alloy steel
- Cushioned handle absorbs shock

SBA1000 RIGHT ANGLE SEAM BUSTER

- Has three sharp edges that allow for penetration between the panels and both side edges allow for side impact to drive the panels apart without damage
- Save up to 15 minutes per panel replacement

L81200

3-PC. PLASTIC CHISEL SET

- One-piece, high-impact plastic chisels used to remove stick-on weights from aluminum wheels and gaskets without marring
- · Blades can be resharpened

INCLUDES:

- (1) LIS81210 3/4" Blade
- (1) LIS81220 1" Blade
- [1] LIS81230 1-1/2" Blade

BT715 EZ SCRAPER

- High-impact hard plastic
- Blade can be resharpened with a file for optimum performance

L32860

DOOR HANDLE SPRING RETAINER TOOL

- Designed to prevent damage to the door components and finish
- Works on 2014 and newer GM® models

FT495E

4-PC. UTILITY WEDGE SET

• Used to remove various trim parts on the vehicle without damaging the parts

UT730

EASY PRY TOOL

- · Non-marring wedge
- 1 in. Blade with a curved clip end that allows easy access and removal of plastic bezels, moldings, trim and panels without scratching the surface
- Grips the stem of the clip not the head so clips don't break
- Lever action for faster, easier removal





- Designed to prevent damage to the pin or anchor
- · Integrated spring makes tool easier to use
- Built-in cutter allows technician to cut off fastener head in stubborn applications
- Also capable of removing automotive fuses from panel
- · Narrow tip design works great on ATO, Micro, Mini Blade, Maxi and Pal type fuses



180° SPOT WELD CHISEL

- · Separates spot welded panels
- · Use to separate panels after the spot weld has been drilled out



RATCHETING SCREWDRIVER

- · Works in tight places
- · Excellent for dash, molding, and under-hood work
- Ratchet action with infinite settings

PRODUCT #	DESCRIPTION	
RSD6425	Ratcheting Screwdriver	
RSD6425-30	Straight Slot Bit with Knob	•
RSD6425-33	No. 2 Phillips® Bit with Knob	
RSD6425-60	Handle	•



DST2190 DOOR SPRING TOOL FOR GM® LIGHT TRUCKS

- · Compresses spring for easy, safe removal
- · Sides safely enclose spring
- · Heat-treated, high carbon steel



- Perform on a wide variety of trim work and other delicate applications
- Non-marring impact resistant plastic
- · Slim design for work in tight areas



DOOR LATCH RELEASE TOOL

- · Releases the cable from the handle assembly so the door panel
- Works on 2007-2013 Chew® and GMC® pickups, Suburban®, Tahoe®, Avalanche,® and Yukon® vehicles



S240P

DZUS® FASTENER TOOL

· Designed for DZUS fasteners which are used on race cars to hold body panels to frame and also used on aircraft engine compartment panels

OVERALL LENGTH	OVERALL LENGTH [MM]	TIP THICKNESS	TIP WIDTH
6-1/16"	153.9	3/64"	35/64"

RR52-KIT

52-PC. RADIO REMOVAL KIT

- · Easily removes the radio without damaging the radio or dash panel
- Works with Pioneer[®], Kenwood[®] Sony®, Clarion®, and more
- · Popular tools needed to remove the radio from the dash on the following vehicles: BMW®, VW®, Audi®, and Mercedes-Benz®



RR170A

FORD® RADIO REMOVAL TOOL FOR USE ON:

- 1987-current Mustang®
- 1988-current Tempo®/Topaz®
- 1989-current Continental
- 1990-current Taurus®/Sable®, Probe®, Ranger®/Bronco II®, Crown Victoria®, Grand Marquis®, Lincoln Town Car®, Mark VII® and Thunderbird®/Cougar®

UPHOLSTERY TOOLS AND SCRAPERS



6-PC. UPHOLSTERY AND TRIM SET

UTS036A

2-PC. SMALL UPHOLSTERY TOOL SET

- UT026A "V" notch and UT027A "U" notch upholstery tools handle all styles of clips
- UT028A "Ú" notch and UT029Á "V" notch small trim and tack tools remove trim, molding, and emblems.
- UT031A upholstery tucking tool for tucking head liners and seat cushions has rounded edges to protect material from damage
- UT018A removes hinged side door panels
- Wide blades which are less likely to damage painted and upholstered surfaces
- Ergonomic design handles with thumb stop for maximum control

0			
PRODUCT # DESCRIPTION		SET	
UTSO24A	6-PC. Upholstery and Trim Set		
UTS036A	2-PC. Small Upholstery Tool Set		
UTO18A	Reversed Door Panel Tool		•
UTO26A	Ergo "V" Panel Clip Tool		•
UTO27A	Ergo "U" Panel Clip Tool		•
UTO28A	Small Ergo "U" Panel Clip	•	•
UTO29A	Small Ergo "V" Panel Clip	•	•
UTO31A	Upholstery Tucking Tool		•
- 4.72762	CONTRACTOR CONTRACTOR CONTRACTOR		



AIRBAG RELEASE TOOL

- Guide the fork end of the tool through the access hole on the rear of the steering wheel so the fork straddles the hook
- Push down on the handle to remove the wire clip from the hook



UT12SBB

2-PC. MAC-GRIP™ UPHOLSTERY TOOL SET

- Rubberized Mac-Grip[™] handles provide maximum comfort and grip
- Pulls body clips from body reducing risk of damage to panels and clips

INCLUDES:

(1) **UT1BB** - Standard Upholstery Tool (1) **UT2BB** - Extended Upholstery Tool

UPHOLSTERY TOOLS

- Removes a variety of door and body trim fasteners
- Comfort-Grip[™] handle

PRODUCT #	DEPTH	OPENING WIDTH
UT3VA	9/32" "V" Notch	3/32" "V" Notch
UT4UA	1/2" "U" Notch	11/32" "U" Notch
UT5VA	3/32" "V" Notch	9/32" "V" Notch

L35400

UPHOLSTERY TOOL

- Place the tool under the edge of the door panel and insert into fastener as far as possible ... then simply pry up
- Rugged tool with a large comfortable handle
- For use on plastic fasteners





HAND TOOLS SCRAPERS



PKES3PTB

3-PC. BOLSTERED STAINLESS STEEL SCRAPER SET

• Soft, comfortable grips for easy handling

PRODUCT #	DESCRIPTION	SIZE	SET
PKES3PTB	3-PC. Bolstered Stainless Steel Scraper Set		
PKES1B	Bolstered Stainless Steel Scraper	1-19/64"	•
PKES2B	Bolstered Stainless Steel Scraper	2"	•
PKESB1B	Bent Bolstered Stainless Steel Scraper	1-19/64"	•



11-921A

HEAVY-DUTY UTILITY KNIFE BLADES

- Precision-honed edge for consistent cut and extended cutting life
- 100-Blade dispenser

PK531

URETHANE KNIFE

- Made from heavy-duty steel and aluminum
- Extra reach to cut hardened urethane down to the dash line
- Can be extended to any length by adding a piece of electrical conduit
- Uses standard utility knife blades, like 11-921A
- Welding cable: 12

PK532

FLAT 24" URETHANE KNIFE

- Long reach provides cutting leverage and distance needed in today's long dash windshields
- Screws that secure the blade are flush mounted to prevent damage to dash and molding
- Centered blade can be used from either side
- · Uses utility knife blades like 11-921A





CLIPPING TOOLS



- · Designed for easy fastener removal while helping to prevent damage to fasteners and body panels
- · Angled head for leverage when prying

30° PUSH PIN PLIERS

42070 (NOT SHOWN) **80° PUSH PIN PLIERS** L42480 **PANEL CLIP REMOVAL PLIERS**

- · Designed for easy fastener removal while helping to prevent damage to fasteners and body panels
- · Angled head for leverage when prying
- type panel fasteners with center pins
- · Pointed pliers tips will not damage the pin or anchor
- Fits in tight spaces
- Overall Length: 7-1/2"



· Grips the stem and reduces broken clips



- Remove push pins and body clips from recessed or have limited access areas.
- · Long reach ends help pop the clip off.
- Glass-filled nylon handles



BODY CLIP TOOL

- Steel levers enclosed in PMS plastic prevent scratches
- Tips have a special angle and size that will remove any clip found on trim, bumpers, etc.



- · Treated for strength, toughness, and durability
- · Cuts up to 18-gauge cold rolled sheet steel

PRODUCT#	CUT	CUT (MM)	HANDLE COLOR	LENGTH	LENGTH (MM)	TYPE
TS1	1-3/8"	34.9	Green	10-1/2"	266.7	Right
TS2	1-3/8"	34.9	Red	10-1/2"	266.7	Left
TS3	1-1/2"	38.1	Yellow	10-1/2"	266.7	Straight



WELDING AND GUTTING TORCHES

HAGP18 PROPANE HEAT GUN

- Used with standard propane cylinder for portability
- Temperature up to 1,000° F (538° C)





ST300 MINI TORCH WITH REFILLABLE CARTRIDGE

- Uses refillable STRC30 cartridge (included)
- Flame temperature 2,500°F (1,300°C)
- Piezo start
- · Butane gas only



PRO SUPER TORCH

- 2,500°F Adjustable flame
- Automatic piezo ignition
- · Precise flame adjustment
- Dual fuel and air controls
- · Up to four hours use on each filling
- · Drop-resistant housing
- Larger, easy-to-use controls
- Use at any angle with hands-free base
- Uses standard butane fuel



ST560 BUTANE-POWERED JUMBO TORCH

- 2,450°F Adjustable flame
- Automatic piezo ignition
- Precise flame adjustment
- Comfortable grip design
- All metal internal construction
- One-piece hoseless internal design
- Impact resistant housing
- · Larger, easy-to-use controls
- Uses standard butane fuel







ST115SUPER TORCH

- Waterproof piezo automatic ignition
- Uses standard butane fuel capacity for up to two hours of use
- Long life catalytic tips

SOLDERING TOOL

• Power Range: 30W - 100W

APPLICATIONS:

- Automotive, truck and aviation repair
- Install heat shrink tubing
- Solder circuit boards
- Loosen rusted nuts and bolts
- Can also be used as a torch with a flame of 2,400°F



WALLG400C

TRIG-R-HEAT SOLDERING GUN

WALLG400TE (NOT SHOWN)

1/4" PYRAMID TIP

- High-performance soldering gun for medium to heavy-duty work
- Instant tip heat, attains high tip temperature with reduced current consumption
- · Balanced pistol grip handle for comfortable use
- Convenient trigger provides instant heat control

LENGTH	LENGTH [MM]	WELDING CABLE
9-1/4"	234.9	15



WALLG2000K

MULTI-PURPOSE SOLDERING GUN KIT

- Versatile soldering gun for lightweight repairs, small electric wiring, and electronics work; solid state
- Element heats tip quickly
- Hand grip trigger provides instant heat response
- Pistol grip design is easy-to-use

INCLUDES:

(2) Interchangeable Tips

[1] 1-oz. Rosin Core 50/50 Solder



WELDING AND CUTTING TIG WELDERS



DC PULSE TIG WELDER

- 180 Amps of DC power capable of TIG or MMA/Stick welding all-steel alloys from #20 GA to 3/16"
- Dual 110-240 volt input capability and adjustable output power, with optional pulse, for controlled welds on thin-walled tube to standard plate materials including mild carbon; chrome moly, and stainless steel
- IGBT inverter power supply with epoxy sealed components and 0.99 efficiency PFC dual-voltage circuit in a compact air-cooled cabinet with a high duty-cycle rating
- Graphic digital control panel with LED welding parameter display
- Variable output power from 5-180 Amps
- Lift-arc or HF start
- Adjustable pulse power
- · Pre- and post-shield gas settings
- Auto over-temp and over-voltage protection
- · Adjustable foot pedal control

INCLUDES:

- (1) Pulsed Inverter Power Supply with Dual Voltage
- (1) SR17 TIG Torch with 12.5' Quick-Connect Welding Cable
- (1) 200 Amp Work Clamp with 10' Quick-Connect Welding Cable
- (1) 200 Amp Electrode Holder with 10' Quick-Connect Welding Cable
- (1) Foot Pedal Control with Trim Potentiometer and 16' Direct-Connect Cable
- (1) 115V Jump-Power Cord
- (1) Dual-Gauge Gas Regulator
- (1) AK-2 Torch Kit

PRODUCT #	DUTY CYCLE	OUTPUT POWER	DIMENSIONS W x H x D	INPUT POWER	WEIGHT LBS. / KG
TIG2010	200 Amps @ 40%	5-200 Amps	20" x 7.5" x 13.5"	110-240VAC @ 30 Amps	32 / 14.5
TIG180	180 Amps @ 35%	5-180 Amps	17.75" x 5.31" x 10"	110-240VAC Single-P 50/60 Hz	17 / 7.5



MIG WELDERS





MW208N

200-AMP INVERTER MIG WELDER

- IGBT inverter power supply with epoxy sealed components in a compact toolbox grade steel air-cooled cabinet
- Infinitely variable wire speed
- LED status indicators
- Electronic over-temp sensor with auto reset
- 4" and 8" spool holder
- Gas and No-Gas capabilities
- Adjustable gas regulator
- Extended UV/IR welding cables on torch and ground clamp for any application
- Wire Sizes: .024". .030". .035" on 4" or 8" spool

INCLUDES:

- [1] Power Supply With NEMA5-60P Power Cord
- (1) SL15 MIG Gun
- [1] 200A Work Clamp With UV/IR Welding Cables
- (1) Dual-gauge Gas Regulator With Brass Hose Fittings
- [1] .030" Mild Steel Welding Wire

MW200S

SYNERGIC 200-AMP MIG/TIG/STICK 3-IN-1 WELDER

- LCD selectable Synergic MIG welding programs for steel, aluminum, and silicone bronze alloys, from #20GA to 7/16"
- 110/240V input producing up to 200 amps
- IGBT inverter power supply with epoxy sealed components and 0.99 efficiency PFC dual voltage circuit in a compact air-cooled cabinet with the high duty-cycle rating (35% @ 200 Amps)
- ullet In the DC TIG mode, lift-arc start, pre and post shield gas settings
- Includes adjustable foot pedal control make quick work for welding on mild, stainless and/or chrome moly materials
- For TIG welding of STEEL ONLY (no aluminum TIG with this unit)
- Optional SG200 aluminum spool gun may be added for synergic MIG welding on all aluminum alloys
- Input Power: 110-240VAC Single-P 50/60 Hz
- Output Power: 5-200 Amps (DCV)
- Input Current: 37 amps (Max. @ 208VAC)
- Duty-Cycle: 35% @ 200 Amps
- Dimensions: 21.62" x 8.43" x 15.56" (550 x 214 x 395mm)

PRODUCT #	DUTY CYCLE	INPUT POWER	OUTPUT POWER	DIMENSIONS	WEIGHT Kg / LBS.
MW138N	138-Amps @ 20% 70-Amps @ 100%	115VAC 50/60 Hz	18-24DC @ 138-Amps	17.5" x 7.5" x 16.25"	32 / 14.5
MW148N	140 Amps @ 35%	115VAC 50/60 Hz	18-24DC @ 35-140-Amps	18.3" x 8.42" x 15.5"	24 / 7
MW200S	200-Amps @ 35%	110-240VAC Single-P 50/60 Hz	208VAC @ 35-Amps	21.62" x 8.43" x 15.56"	31 / 15
MW208N	200 Amps @ 35%	208-240VAC 50/60 Hz	18-24DC @ 30-200 Amps	18.3" x 8.42" x 15.5"	24 / 7





MW260D

260-AMP MIG WELDER 1/2" PRODUCTION

MW260DSG

260-AMP MIG WELDER WITH SPOOL GUN

INCLUDES:

MW260D and MWSPLGUN

- This professional 260-Amp shop MIG welding system provides maximum 14-step output power with dual chokes on a standard 230V circuit and is capable of welding #24 gauge to 1/2" with steel wire from 0.030" to 0.045" diameter
- Spool gun ready for aluminum from #22 gauge to 7/16"
- System rated 250-Amps at 30% DC with 0.023-0.045" wire drive
- Direct-connect earth clamp and cable, brass gas regulator and hose, mild-steel welding wire, and complete operator instruction manual



MWSPLGUN

SPOOL GUN WITH DIRECT-CONNECT 20' CABLE, 3/8" MAXIMUM - 185-AMPS

- Direct-connect feature allows for switch on-the-fly operation when used with MW260D welder and 20' integral power/gas /control cable assembly, allowing for maximum flexibility
- Rugged and compact this heavy-duty spool gun is ideal for all automotive, truck and trailer, farm equipment, food service, and industrial aluminum welding jobs

INCLUDES:

- (1) 185-Amp Spool Gun with 0.035" Contact Tip
- (1) 20' Direct-Connect Cable Assembly with Twist-Lock Pluas

PRODUCT #	DUTY CYCLE	INPUT POWER	OUTPUT POWER	DIMENSIONS	WEIGHT Kg / LBS.
MW260D	160-Amps @ 60%	230VAC @ 38-Amps	22VDC @ 260-Amps	17-1/2" x 31-1/2" x 31"	100.2 / 221



PLASMA CUTTING SYSTEMS

- High efficiency electronic inverter power supply
- · Clean-cut infinitely adjustable output power
- Professional grade duty-cycle performance
- Microprocessor control with LED indicators
- Continuous pilot arc ignition for all surfaces
- Adjustable air regulator/filter with gauge
- Ergonomic torch with trigger guard
- Heavy-duty earth clamp

INCLUDES:

- (1) 3-Wire UL Power Cord
- (1) NPT40 Plasma Torch
- (1) HD Work Clamp with 13' Uvir Welding Cable Spare Cutting Tips and Electrodes
- (1) Operator Manual



PRODUCT#	DESCRIPTION	INPUT VOLTAGE	OUTPUT CURRENT	SUPPLY AIR	DUTY-CYCLE	CLEAN CUT / SEVER CUT THICKNESS	DIMENSIONS IN.	WEIGHT KG / LBS.
PCA48	40-Amp Inverter Plasma Cutter	110-240VAC @ 22A	18-Amps	70 PSI (4.8 bar) @ 3.5 CFM (100 lpm)	40% (230V) & 100% (115V)	1/2" / 1"	17" x 5.125" x 11.187"	17 / 7.7
PCA48C	40-Amp Inverter Plasma Cutter with Compressor	208-240VAC @ 25A	20-40-Amps	Internal Air Compressor	40% @ 40 amps	1/2" / 1"	23.25" x 9.45" x 17"	40 / 18
PCA68	60-Amp Inverter Plasma Cutter	208-240VAC @ 50A	60-Amps	75 PSI (5.0 bar) @ 5.5 CEM (105 lpm)	90% @ 60A (40°C/10	3/4" / 1-1/4"	23.25" x 9.45" x 17"	53 / 24



MWC1000 **WELDING CART**

- · Heavy-duty steel construction
- · MIG gun and ground lead holders on both sides
- Rear wheels are 8" x 2"; front swivel wheels are 3" x 3/4"
- 21-1/4" x 13" Top shelf
- 21" x 13" Middle shelf
- 33" x 13" Bottom shelf

INCLUDES:

Cylinder Holding Chains



ET1224AZ ANTI-ZAP SERVICE MINDER

· Prevents damage to sensitive electronic systems during welding from high voltage spikes



MIG WELDING WIRE STEEL ALLOY/SOLID

• ER-70-S6 Alloy welding wire for high-strength steel repairs

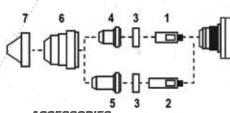
57004-ER70S623 0.023 x 4" x 2#

57004-ER70S-623 0.023 x 8" x 10#

57004-ER70S630 0.030 x 4" x 2#

57004-ER70S-630

0.030 x 8" x 10#



AC	CESSORIES:	
PLA	SMA TORCH CONSUMAB	LES
	PRODUCT #	DESCRIPTION
1	57004-907N0110	Electrode Standard
2	57004-907N0111	Electrode 45 Amp
3	57004-907N0106	Swirl Ring
4	57004-907N1167	Cutting Tip 20 Amp
4	57004-907N1168	Cutting Tip 30 Amp
5	57004-907N1170	Cutting Tip 45 Amp
6	57004-907N1160	Shield Cup
7	57004-907N0010	Stand-Off 40 Amp with Red Trigger
7	57004-907N6444	Stand-Off 40 Amp with Black Trigger



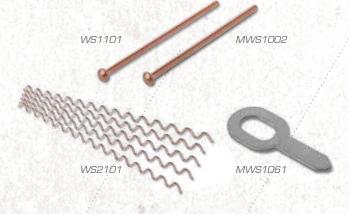
MELDING AND GUITING STUD PULLING

MWS3000 STUD WELDER AUTOSPOT DC (230V)

- Simple-to-use, digital touch-pad dent pulling system with timed, automatic, and manual control
- Compact hand-held gun with in-line or 90° tip holders allows pull pins and washers to be quickly set in tightest of space
 Quick weld-point earth connect tip on

 Quick weld-point earth connect tip or high powered welding cable makes positive connections for secure pulls in any location





PRODUCT #	DESCRIPTION	SIZE			
WS1101	Stud Pin Steel	2.2 (500PK)			
WS1102	Stud Pin Steel	2.6 (500PK)			
WS2101	Stud Wiggle Wire	1.0 (1LB)			
WS1161	Stud Washer Steel	180 (100PK)			

GREAT TO WORK WITH

WS1100A STUD GUN SUPER KIT

- Recommended for multiple-user shops, shrinking panels and/or low voltage applications (poor wiring or long extension cords, etc.)
- Powerful transformer, designed for high production environment
- Great for shrinking panels with UNI1007 shrink tip
- Lightweight, high impact, flame retardant housing
- Super sensitive trigger in handle for one-hand operation
- Works in reduced voltage situation with built-in overload protection
- Grounded 3-wire 14-gauge 7' cord
- No more dropped studs with "Stud Ease" technology, exclusive to Mac Tools stud welders – holds the stud in place no matter what direction the stud welder is pointed
- "Stud Ease" technology available as a WS1145 adapter to upgrade existing Mac Tools stud welders



WS275A

HOT SPOT STARTER KIT

- The best value starter kit for the progressive autobody repair technician, with "Stud Ease" technology
- No more dropped studs with "Stud Ease" technology, exclusive to Mac Tools stud welders – holds the stud in place no matter what direction the stud welder is pointed
- "Stud Ease" technology increases accuracy and welds studs easier and faster
- Powerful transformer with lifetime guarantee
- Lightweight, high impact, flame retardant housing
- Super sensitive trigger in handle for one-hand operation
- · Built-in overload protection
- Grounded 3-wire 14 gauge 7' cord





REPAIR KIT

• For WS1116

PRODUCT #	DESCRIPTION	SET	
WS1100A	Stud Gun Super Kit		
WS275A	Hot Spot Starter Kit		
WS1101	Flexpert Pulling Studs 2.2mm	•	•
WS1102	Heavyweight Pulling Studs 2.6mm		•
WS1104	Stud Welding Tip	•	•
WS1116	Deluxe "T" Handle Slide Hammer	•	•
WS1195	Mini Puller		•
UNI1003	Body Side Molding Rivets		•
UNI1005	Molding Rivet Tip		•
UNI1007	Shrink Tip		•



WS1102 HEAVYWEIGHT PULLING STUDS 2.6MM

- Copper plated and corrosion-resistant coating
- Box of 500

WS1101

FLEXPERT
PULLING STUDS 2.2MM



WS1180 UNI-CLAMP MULTIPLE STUD PULLER

- Eliminates risk of cutting through stud shank
- Studs receive equal pulling pressure
- Comes complete with shackle and screw wrench



MINI PULLER

- Pulling small dents, like door dings, hail dents, and other light damage
- Use with any welded stud 1.9mm to 2.8mm
- Eliminates over pulling; one-hand operation and quick-release cam

WELDING AND CUTTING WELDING ACCESSORIES



MWP0850

HANDY PLASTIC WELDER KIT

- Low voltage output
- · Safe and reliable (with overheating protection) and convenient
- Six functions: plastic welding, stapling, ironing surface, heating cut, repairing bi holes, and lead-tin soldering

- (4) Kinds of Staples
- (1) Heating Knife
- (1) Plastic Box

CODE	POWER Voltage	PHASE	OUTPUT VOLTAGE	MAXIMUM OUTPUT	DIMENSION IN. / MM	WEIGHT LBS. / KG
19273	120V	1PH	1.3V	45A (welding) 7A (stapling)	9.4" x 1.9" x 2.5" 239 x 49 x 66	1.65 / .75



URE5700HT

AIRLESS PLASTIC WELDER

- Mini-weld plastic welder is ideal for any type of automotive plastic.
- · High welding temperatures and faster welding provided by 80W welding element

Seven Types of Standard Plastic Welding Rod and Our Revolutionary Uni-Weld Ribbon Universal Repair Rod

- (1) Instructional Video Tape
- (1) Temperature Control
- (2) Welding Tips (1) Reinforcing Mesh
- (1) Stainless Steel Wire Brush
- (1) Welder Stand
- (1) Blow-Molded Case



PRODUCT # DESCRIPTION	QUANTITY
PRZ50N Hot Staple N Wide	50
PRZ50Z Hot Staple Z Stitch	50



HOLE CUTTER KIT

- Hole cutter for use on steel, sheet metal, wood, and plastic
- Steptooth design cuts materials up to 1/4" thick
- 5/16" to 3/4" Diameter

PRODUCT #	DESCRIPTION	SIZE	SET
HC1175	Hole Cutter Kit		
HC104	Hole Cutter	5/16"	•
HC108	Hole Cutter	3/8"	•
HC112	Hole Cutter	7/16"	•
HC116	Hole Cutter	1/2"	•
HC120	Hole Cutter	9/16"	•
HC124	Hole Cutter	5/8"	•
HC132	Hole Cutter	3/4"	•
HC083	Pilot	-	•
HC088	Arbor with Spring and Pilot	-	•
BLR11655	Stop Washer	Large	•
BLR11656	Spacer Washer	Small	•





GREAT TO WORK WITH



C3X 3/8" SPOT WELD CUTTER

- Double-end blade
- Three per pack

C117X 3/8" SPOT WELD CUTTER

P3P 3-PK. REPLACEMENT PILOT POINT

- · Double-end blade
- 1/4" Arbor with retractable pilot



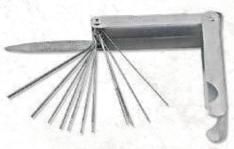
SWCK4548 4-PC. SPOT WELD DRILL KIT

- Includes the four most popular sizes of spot weld drills: 1/4", 5/16", 3/8", and 1/2"
- Each drill has a self-centering point to stay sharp longer
- Made of M-2 steel and can be used with either an electric or pneumatic drill



- Separates spot welded panels
- Use to separate panels after the spot weld has been drilled out
- · Panels are separated without damage
- The blade is sharpened on three sides and offset for clearance

Note: The sharpened edges will wear with use



*VCT1423-0016*WELDING TIP CLEANER

· Cleans thirteen sizes

INCLUDES:

(1) Cleaning File



- Copper alloy backing plate prevents burn-through
- Fast and convenient way to clamp flanges

VCT0387-0465 HEAVY-DUTY SELF-IGNITING TORCH

- Ignites to top heat output instantly
- Trigger activated igniter produces instant on/instant off flame
- Brass general purpose burn tip provides flame necessary to accomplish a wide variety of tasks
- Burns Mapp® or propane fuel



SRK12237

WELDER'S LIGHTER

- Extra-large hood traps more gas for positive ignition
- Replaceable spark tip produces up to 2,000 ignitions
- · High-tensile spring wire construction
- Overall length: 8" (203.2mm)

VCT1423-0032

WELDER'S LIGHTER REPLACEMENT FLINTS





WH90749 **AUTO-DARKING WELDING HELMET**



WH90753 **AUTO-DARKING WELDING HELMET WITH GRIND MODE**



WH90750 **LARGE WINDOW AUTO-DARKING WELDING HELMET** WITH GRIND MODE

PRODUCT #	LIGHT STATE	DARK STATE	VIEWING AREA MM	SWTICH TIME MS	NUMBER OF SENSORS
WH90749	DIN 4	DIN 9-13	92 x 42	0.1 ms to 0.8 delay	2
WH90753	DIN 4	DIN 9-13	92 x 42	0.1 ms to 0.8 delay	2
WH90750	DIN 4	DIN 9-13	99 x 67	0.1 ms to 0.8 delay	4







- Premium leathers provide increased dexterity versus low-quality leathers
- · Ribbed sure-fit cuff
- · Reinforced palm pattern
- Double-stitched seams for additional strength

MACWELD-MIG-XL XL
MACWELD-MIG-XXL XXL



STICK WELDING GLOVES

- Extended cuff design for additional forearm protection
- · Seamless index finger
- Premium leathers provide increased dexterity versus low-quality leathers
- · Reinforced palm pattern

MACWELD-STK-L L
MACWELD-STK-XL XL
MACWELD-STK-XXL XXL



TIG WELDING GLOVES

- Flexible and form-fitting
- Easy On/Off cuff design
- · Seamless index finger
- Premium leather construction
- Synthetic FR padded knuckle protection
- Extended cuff for protection

MACWELD-TIG-L L
MACWELD-TIG-XL XL
MACWELD-TIG-XXL XXL



53208GAS WELDING AND
BRAZING SPECTACLES



FABRICATOR GLOVES

- Premium goatskin palm
- Heat-resistant Cut-2 palm
- FR-Infused silicone back of hand
- · Adjustable cuff enclosure
- Padded knuckle impact protection
- ANSI A2 cut resistance

MACFAB-M M
MACFAB-L L
MACFAB-XL XL
MACFAB-XXL XXL





16 SPECIALTY TOOLS









L43850

FAN CLUTCH WRENCH SET

- · For pressed-on water pump pulleys
- 1/2" square drive allows the technician to use either a ratchet or breaker bar in tight spaces
- Works with Chrysler[®], GM[®], and Ford[®]

PRODUCT #	DESCRIPTION	SET	
L43850	Fan Clutch Wrench Set		
LIS43580	GM® (Gas), Jeep®, and Dodge®	•	
LIS43840	09 and Newer Dodge® Hemi™	•	
LIS43860	GM® DURAMAX® Diesels '01-'06	•	
LIS43870	Ford® 6.7 Diesels '11 and Newer	•	
LIS43890	Fits all sizes of water pump pulley bolts	•	

FCWAHSET-100

PNEUMATIC FAN CLUTCH WRENCH SET

- Quickly removes and installs fan clutch using a :401 shank air hammer
- Faster and easier than conventional fan clutch wrenches - no holding wrench is necessary
- Set includes seven driving wrenches that fit Ford®, GM®, Chrysler®, and Jeep®
 • 47mm Size fits Ford® 6.0L and
- 6.4L Power Stroke

PRODUCT #	DESCRIPTION	SET
FCWAHSET-100	Pneumatic Fan Clutch Wrench Set	
L43370	Handle Assembly	•
LIS43380	32mm Wrench	•
L43390	36mm Wrench	•
LIS43440	40mm Wrench	•
PFW47	47mm Wrench	•
LIS43410	1-7/8" Wrench	•
LIS43420	2" Wrench	•
LIS43430	7/8" Wrench	•
LIS43470	Case	•



FCW6120 **FAN CLUTCH WRENCH KIT INCLUDES:** (1) FCW61600 Universal FCW holder

[1] FCW95210 Dual end wrench

FCW61600 **UNIVERSAL FAN CLUTCH** WRENCH HOLDER

FCW95210

DUAL END WRENCH - 36 × 48

- Works on all fan clutches that have bolt-on pulleys on the water pump
- Works with Chrysler®, GM®, Ford®, Land Rover®, and Mazda® (not including the 4.9L 6-cylinder Ford®)

FCW9980A FCW FOR CHYSLER® / GM®

- · Late model domestic gas engines for Chrysler®/GM®. When used with FCW95210 the following fan clutches can be serviced: GM® 4.8L V-8, 5.3L V-8, and 6.0L V-8; all 1999 and later gas engines without pulley bolts
- Chrysler® 3.7L V-6, 3.9L V-6, 4.7L V-8, 5.2L V-8, 5.9L V-8, 8.0L V-10 1998 and later
- Chrysler® engines using factory replacement water pumps for the following engines: 3.9L V-6, 5.2L V-8, 5.9L V-8 1993 and later also, 8.0L V-10 1997 and later

FCW6150B **FCW FOR GM®**

- 4-Pin #6150B GM[®] late model diesel engines.
- · For pressed-on water pump pulleys
- Used with FCW95210 can service fan clutches on GM® 6.5L diesels 2000-01, GM® Isuzu® DURAMAX® 6.6L engines® starting in 2001



VARIABLE PIN SPANNER WRENCH

- Universal design fits many different types of pulleys having slots or holes, including camshaft pulleys and crankshaft pulleys
- Wrench is adjustable from 1-1/4" to 5"
- Works with a 1/2" ratchet or breaker bar
- Blow-molded case



UNIVERSAL PULLEY/FAN

CLUTCH HOLDING TOOL

- Universal design fits many different size pulleys having slots or holes, such as camshaft pulleys or crankshaft pulleys
- Adjustable from 1-1/2" to 8-5/8"
- Interchangeable 6, 8, 10, and 11mm step pins
- Long handle enables technician to easily hold the pulley when tightening or loosening retaining bolts
- Blow-molded case





SC200P

4-PC. HEAD BOLT SOCKET SET

- 4-1/2" Overall length
- Black oxide finish for corrosion protection
- Applies to Honda[®], Nissan[®], and Toyota[®] INCLUDES:

[1]	SCI	88h	- Honda
[1]	SC1	89P	- Nissan®

88P - Honda®	[1] SC190P -	Toyota [®]
89P - Nissan®	(1) SC195P	

PRODUCT#	DESCRIPTION	SIZE	DRIVE SIZE	POINT Size	APPLICATION
SC475B	VW/Audi Polydrive Head Bolt Tool	10	1/2"	6	Cylinder head bolts on VW and Audi
SC188P	Honda® Head Bolt Socket	10	1/2"	12	Honda® and otherimport and domestic cars
SC90	Spline Head Bolt Socket	10	1/2"	12	10mm head bolts on VW and Audi
SC189P	Nissan® Head Bolt Socket	12	1/2"	12	Nissan® E-16 motors, since 1981 production
SC91	Spline Head Bolt Socket	12	1/2"	12	12mm head bolts on VW and Audi
SC190P	Toyota® Head Bolt Socket	14	1/2"	12	Head bolt socket for Toyota® motors
SC195P	Head Bolt Socket	1/2"	1/2"	12	1/2" Head bolts

696







HT3134 GM® THERMOSTAT WRENCH

- This 13mm, 12-PT. GM® Thermostat Wrench is designed to work on GM® 3.1L and 3.4L V6 engines
- Allows access to bottom housing bolt without removing other parts



BT471ACUMMINS® DIESEL ENGINE BARRING TOOL

- Used on Cummins® B and C series engines and 5.9L turbo diesel in Dodge® pickups
- A 1/2" drive female square end for use with ratchet or breaker bar



IPR68210A FORD® 6.0L DIESEL IPR SOCKET

- Used to remove and replace the injector pressure regulator (IPR) on Ford® 6.0L and other diesel engines
- Tool is built to bottom out on the hex so it does not put torque on the connector in case it can be reused
- Use with 3/8" square drive



SC161A

LONG T40 MANIFOLD SOCKET

- Required on Ford® 5.0L engines with fuel injection; 1985 and 1986 F150 trucks
- Tamper-resistant
- Overall length 10 1/4" [260.4mm]



7MM VW®/OPEL® TRIPLE SQUARE

- Drive size: 3/8"
- Works on previous generation W[®] constant-velocity joints and Opel[®] manifold bolts



OPS1325

OIL PRESSURE SWITCH SOCKET

- For GM[®] and Chrysler[®]
- Works on the 1-1/16" combination light and gauge oil pressure switch on 1987 and newer Chrysler[®] models
- Works on 1-1/16" oil pressure sending units (gauge type) found on most 1991 and newer GM® 4-cylinders and 3.1L V-6



IS1140 FORD® 6.7L INJECTOR SOCKET

- Injectors can be removed without breaking and damaging the electrical connections
- Crows foot can be spun by hand under the bent lines
- Long socket has the clearance required and linear shape to properly torque the fuel lines
- 17mm 12-PT. for easy install at any angle
- Nose geometry designed to reduce likely damage to the electrical connection



DRIVIETE SERPENTINE BELT TOOLS



 Releases tension on serpentine belts with a spring-loaded belt tensioner

698

- Ratcheting head with freewheel position allows maximum leverage
- Set ratcheting head to the middle or neutral/freewheel position and once maximum travel point is reached simply click lever into place to lock the ratchet mechanism
- · Comes with extension for hard-to-reach belt tensioners
- This tool will work where conventional ratchets or breaker bars won't fit due to limited access

SBT59800

MASTER SERPENTINE BELT SET

- Fits belt tensioners requiring 13mm, 14mm, 15mm, 16mm, 18mm hex, and both 1/2" and 3/8" square drive sizes
- 13mm and 16mm, Sockets are built into the handle
- · Covers most domestic and some import applications

PRODUCT #	DESCRIPTION	DRIVE SIZE	SIZE [MM]	Si	ŧΤ
SBT59800	Master Serpentine Belt Set				
SBT590	Ratcheting Erpentine Belt Set				
SBT57400-450	Replacement Socket	-	18	•	•
LIS57580	Replacement Socket	-	16	•	•
SBT57400-440	Replacement Socket	-	15	•	•
LIS57390	Replacement Socket	-	14	•	•
SBT57400-500	Replacement Socket	-	13	•	•
SBT57560	Square Drive Socket	1/2"	-	•	•
SBT57400-530	Square Drive Socket	3/8"	-	•	•
LIS59100	Short Extension Bar	-	_	•	•
LIS59140	Adapter	-	19	•	•
SBT590-3	Ratcheting Handle with Grip	-	-	•	
LIS59780	Handle with Grip	-	-		•

WARNING: Cancer and Reproductive Harm - p65warnings.ca.gov

For more info click-on MACTOOLS.COM/PROP65

SBT734 SBT57900P SERPENTINE BELT **SERPENTINE BELT TOOL GRABBER TOOL INSTALLER** Designed to help in the installation • Tool provides control and reach when and removal of serpentine belts installing serpentine belts in all applications Has a gripping end that provides a positive Also works with V-belts and timing belts in grip on the serpentine belt, allowing user confined or obstructed areas to access tight and difficult areas Long reach (26-1/2") and comfort handle to make grasping belts easy



SSBT737

SUBARU STRETCH BELT TOOL KIT

- When replacing these belts due to access issues traditional tools and even current stretch belt tools will not work
- All 2008 to current models of Subaru Impreza Outback and Forrester feature a stretch belt



STRETCH BELT MATE

- · Use for all stretch fit belt applications
- This universal kit allows for the installation, removal, and reuse of all stretch fit belts



SBT736 STRETCH BELT INSTALLATION TOOL

- · Quickly and easily installs stretch belts
- Helps prevent damaging stretch belts during installation
- Tool fits most applications



L59370 STRETCH BELT INSTALLER/REMOVER

- Magnetic face holds the tool in place on the pulley
- Helps prevent damage to belt or pulley during removal or installation
- Compact, one-piece tool can be used on the front or back side of the pulley



SBT8585

RATCHETING SERPENTINE BELT TOOL

• 13mm x 14mm, 18mm x 1/2" Male Square

SBT8591

RATCHETING SERPENTINE BELT TOOL

• 14mm x 17mm, 19mm x 3/4" Male Square

SBT8586

RATCHETING SERPENTINE BELT TOOL

• 15mm x 3/8" Male Square, 16mm x 1/2" Male Square

SBT1095

HONDA®/ACURA® SERPENTINE WRENCH

- Designed to reach down through the engine compartment in areas not easily accessed with conventional tools
- Has a specific "clock" angle of the 6-PT. 19mm end with carefully calculated handle geometry enabling access to the hydraulic dampener tensioner
- Applicable to 2006 and later Civic[®] and many other Honda[®] cars and trucks
- The thin 12-PT. 14mm end of the tool, coupled with handle geometry, gives access to the adjuster on the 2003 and later Honda® Element as well as the Honda® Fit with the right motor mount removed
- Works on other Honda® and Acura® serpentine belt tensioners
- · Access vehicles from the top, no need to lift vehicle

ORIVETRAIN WATER PUMP WRENCHES



MWPH616 GM® WATER PUMP HOLDING TOOL

- · Holds timing chain in place so water pump can be removed for service
- · Special design allows easy installation regardless of timing chain orientation
- Simply remove access plate from front cover and install the tool
- · Tool saves costly loss of timing on 2002-2008 GM® 2.2L and 2.4L ECOTEC motors



MWP800 ECOTEC WATER PUMP SPROCKET HOLDER

- · Designed to hold the timing chain and gear in place while removing or installing water pump on ECOTEC engines
- · Securely holds water pump sprocket preventing loss of timing or damage to the engine
- · Special half-moon design allows easy access to water pump gear bolts
- · Uses access cover bolts to hold the tool in place



DAMPER HOLDING TOOL · Heavy-duty, tempered crankshaft holding

- fixture with durable black-oxide finish
- 1/2" Drive holding tab for use with breaker bar or ratchet

HDH6010A

· Allows you to hold the crankshaft on most Honda® and Acura® vehicles for tightening or loosening of the crank damper bolt



THERMOSTAT GASKET CLEANER

- Cleans all hard-to-reach gasket surfaces
- Use with a die grinder to quickly clean gasket surfaces on Dodge® pickups, oil pans, water pumps and other inaccessible applications
- Equipped with a floating guide shaft so the user can steer the abrasive pad around the gasket surface

INCLUDES:

(1) Interchangeable Short Shaft



PPT13

MASTER CYLINDER CLUTCH PIN TOOL

- Eliminates the need for hammer punch
- · Works well with steel or plastic components
- · Removes and installs roll pins on hydraulic clutchlines up to 1-1/8" long
- · Body is cut from aluminum bar
- Threaded knob molded onto. hardened steel threaded shaft



CF62B PRE-SET CYLINDER DEGLAZER

- Capacity: 2" to 7" (50.8 to 177:8mm)
- Medium grit stones: 4" (101.6mm)



EMS200A **EXHAUST** MANIFOLD SPREADER

- For V-8 and V-6 engines
- · Works best when used in pairs





ENGINE VALUE TOOLS



- · High leverage one-hand operation
- · Strong, rigid frame, weighs only 6 lbs.
- · Works with most valve-in-head and L-head engines as well as truck and tractor engines



VC572

LARGE VALVE SPRING COMPRESSOR

- · Designed to compress valve springs on overhead valve engines
- · Includes two valve spring adapters, which fit valve spring retainers up to 1" (25mm) and 1-3/16" (30mm)
- Direct action compressor lever gives better visibility of valve spring retainers located in difficult access areas

JAW OPENING IN. / MM	THROAT HEIGHT IN. / MM
1-3/8" to 5-5/8" / 34.9 to 142.9	5-7/8" / 149.2

VGCK VALVE GUIDE SET

• Seven high-temperature carbon steel brushes

1/4", 5/16", 11/32", 3/8", 13/32", 7/16", and 1/2"

AH8MP

AIR VALVE GUIDE DRIVER

- · Precision ground 401 shank
- Drives 8mm valve guides

PISTON RING TOOLS



PISTON RING COMPRESSOR SET

- · Fine tooth ratcheting lock permits bands to be contracted in extremely small increments
- Set components are also available individually along with six additional bands, 4-3/8" through 5-5/8"

PRODUCT #	DESCRIPTION	OVERALL LENGTH (IN)	SET
PRC144	Piston Ring Compress	or Set	
PRC14401	Ring Compressor Pliers	_	•
PRC14404	Piston Ring Bands	3-3/8" - 3-5/8"	•
PRC14405	Piston Ring Bands	3-5/8" - 3-7/8"	•
CAL144-113	Piston Ring Bands	3-7/8" - 4-1/8"	•
PRC14407	Piston Ring Bands	4-1/8" - 4-3/8"	•
PRC14408	Piston Ring Bands	4-3/8" - 4-5/8"	
PRC14409	Piston Ring Bands	4-5/8" - 4-7/8"	
PRC14410	Piston Ring Bands	4-7/8" - 5-1/8"	
PRC14411	Piston Ring Bands	5-1/8" - 5-3/8"	
PRC14412	Piston Ring Bands	5-3/8" - 5-5/8"	



L33500 **PISTON RING INSTALLER**

· Tapered jaws to remove and install most passenger car and light truck rings from 3/64" to 1/4" [1.2 - 6.3mm]

DR/VETRA/N TIMING TOOLS



MFC1100

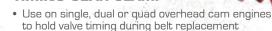
FORD® CAM TOOL KIT

• Ford® master cam tool kit containing all twenty-two cam tools covering 1992 and newer for over fifty applications

INCLUDES:

- (2) Cam Positioning Tools
- (1) Crankshaft Sensor Positioner
- (7) Cam Sensor Sync Tools
- (1) Cam Pulley Holding Tool
- (1) Cam Alignment Tool (1) Crankshaft TDC Timing Pin
- (1) Cam Positioning Tool Set
- (2) Cam Holding Tools
- (2) Crankshaft Holding Tools
- (1) Cam Gear Holding Tool
- (1) Cam Holding Tool Adapter
- (1) Cam Gear Holding Tool Adapter
- Timing Chain Tensioner Tool
- (1) Cam Gear Bolt Socket and Extension
- (1) Blow Molded Case

MLTCAM70900 5-PC. CAM CLAMP SET MLTCAM200 TIMING GEAR CLAMP



- · Ideal for diesel injection pump belt replacement
- Single CamClamps lock gears individually
- Easy to use / Installs in seconds
- · 'Uni-Fit' positive lock tooth design securely engages all cam gear sizes
- Constructed from high strength industrial grade non-corrosive materials
- Fits timing gear diameters from 4" to 6"
- Fits gear spacing from 1/16" to 3"



FORD® CAMSHAFT ALIGNMENT KIT

- · For servicing the timing belt, chains, head gaskets or other valve train repairs on Ford®, Mercury, and Mazda® vehicles
- The kit comes with an aluminum camshaft bar, plus one short top dead center (TDC) timing pin and one long TDC timing pin



CAMSHAFT BEARING TOOL

- · Removes or inserts camshaft bearings in most engines from compact cars to heavy trucks
- No problems with slightly undersize or oversize bearings



- · For servicing the timing belt, chains, head
- gaskets or other valve-train repairs on Ford®, Mercury and Mazda® vehicles
- Easy alignment tool takes place of pins needed in similar tools
- Pins can be hard to access and add time to job in cases where other components are needed

APPLICATIONS:

HTCAT1

The camshaft bar and easy alignment tool are used on 2.0L DOHC Zetec engines found in 1994 - 2003 Ford® and Mercury vehicles and 2004 - 2012 2.5L DOHC, 2.3L DOHC 4V and 2.0L DOHC engines that are found in Ford®, Mercury and Mazda® vehicles



SEAL AND RACE BEARING DRIVERS

BD3142MA

22-PC. BUSHING REMOVER AND INSERT KIT

- Sizes from 3/8" x 7/16" through 1-1/4" x 1-3/8"
- Three drivers and nuts for drivers
- Blow molded case





BD3143MA

9-PC. HEAVY-DUTY BUSHING REMOVER AND INSERT KIT

- Sizes from 1-5/16" x 1-7/16" through 1-3/4" x 1-7/8"
- Blow molded case



BRD129MA

RACE BEARING AND SEAL DRIVER SET

- Nine discs for most popular bearing sizes
- Comes in a sturdy blow-molded case

FT131108

LARGE MASTER BEARING RACE DRIVER

- All-in-one design, eliminating the need for a driver and several different heads
- Three-step jaw accommodates sizes;
 18-56mm (0.75"-2.25") range with a 10mm depth/reach
 39-77mm (1.5"-3.0") range with a 10mm depth/reach
 48-86mm (2.0"-3.5") range with a 20mm depth/reach
- · Can be used on most vehicles, including motorcycles

FT131107

SMALL MASTER BEARING RACE DRIVER

• Same as above, except accommodates sizes 9.5 - 50mm (0.374" - 1.968")



L61900

HEAVY-DUTY BEARING AND SEAL DRIVE

- Use the tapered driver side for bearing races and the flat side for seals
- Six drivers and handle extensions for driving bearing races and seals on hubs with deep brake drums without removing the drums

INCLUDES:

(6) Driver sizes: 3-43/64", 4-7/8", 4-13/16", 5-1/2", 5-25/32", and 6"





BRD594 PINION BEARING RACE DRIVER SET

- Set includes eight drivers for driving inner and outer pinion bearing races on 1/2-ton and 3/4-ton Ford®, Dodge®, and GM® pickups
- Use the extended, two-piece handle for driving rear pinion bearing races
- A .401 shank pneumatic handle is also included for use with an air hammer

DRIVETRAIN PULLEY PULLERS AND INSTALLERS



- · Removes and installs pressed-on power steering, alternator, and air pump pulleys
- Puller body completely houses the pulley hub to prevent slipping
- · Fits most domestic models including GM® 3.1 and Quad 4 engines
- Works on traditional V-shaped pulleys and serpentine belt system pulleys

BALANCER INSTALLER KIT

- · Driving screw Thrust bearing
- 12 Threaded adapters necessary to work on a wide range of domestic and some import harmonic balancers
- Four long adapters for use on Dodge® Hemi™, Generation III and IV GM® motors, some Ford® and some Chrysler®
- 1.75" spacer allows the tool to work more effectively on deep harmonic balancers



TP1330B

13-PC. MASTER HARMONIC **BALANCER INSTALLER SET**

- · Covers almost every car and light truck application - old, or new
- Installs drive pulleys or harmonic balancers that are press-fitted onto the crankshaft
- The heavy-duty 7/8" diameter forcing screw has internal threads to fit the threaded adapters



HARMONIC BALANCER SOCKET

- Heavy-duty impact socket designed with more than two times the standard socket mass to direct more energy to removing the bolt
- · Made with heat-treated, impact quality steel

PRODUCT #	DRIVE	SIZE MM
L77060	1/2"	17
L77080	1/2"	19
L77100	1/2"	21
L77110	1/2"	22
L77120	1/2"	27



LOHBP1 RATCHET ARM HARMONIC **BALANCER PULLEY PULLER**

- Eliminates need to remove radiator
- No need for bolts
- · Push-Turn-Click design



4-PC. LONG HARMONIC **BALANCER INSTALLER SET**

- · Extra long reach tool kit for the installation of underdrive or oversized pulleys and applications with recessed threads on the crankshaft
- For installing harmonic balancer pulleys on many popular late model Ford®, GM®, Dodge®, and Chrysler® vehicles with V6 and V8 engines that have recessed threads for the crank pulley bolt or utilize an underdrive pulley or both



CSPT640 VW/AUDI PULLEY WRENCH

- For use on VW and Audi
- Made from heat-treated alloy steel
- · Soft grip handle

CSPT968A CAMSHAFT PULLEY TOOL

 Used on most Asian overhead cam engines, but primarily on transverse mounted V6 engines

HB531B

HARMONIC BALANCER PULLER/INSTALLER SET

- For easy removal of most harmonic balancers and drive pulleys which are press-fitted onto the crankshaft
- Bearing-centered circular 2/3-way and an assortment of metric and fractional bolts and adapters provide wide coverage
- Heavy-duty, 3/4" diameter forcing screw is internally threaded to fit the eight adapters to install harmonic balancers

INCLUDES:

- 1) Puller Flange (1) Puller Body
- (1) Puller Screw
- (1) Centering Adapter
- (1) 7/16"-20 Adapter
- (1) 1/2"-20 Adapter (1) 9/16"-18 Adapter
- (1) 5/8"-18 Adapter
- (1) 3/4"-16 Adapter
- [1] M12 x 1.5 Adapter
- (1) M14 x 1.5 Adapter (1) M16 x 2.0 Adapter
- (2) 1/4"-28 x 2-1/2" Bolts
- (2) 5/16"-24 x 3" Bolts (3) 5/16"-18 x 3-1/2" Bolts
- (2) 5/16"-18 x 6" Bolts
- (3) 3/8"-24 x 1-1/2" Bolts
- (3) 3/8"-16 x 2" Bolts
- (3) 3/8"-16 x 3" Bolts
- [2] 3/8"-16 x 4-1/2" Bolts
- (3) M8 x 1.25 x 45mm Bolts (2) M8 x 1.25 x 65mm Bolts
- (2) M8 x 1.25 x 90mm Bolts
- (3) M10 x 1.5 x 35mm Bolts
- [2] 1/4" Washer
- (3) 5/16" Washer
- (3) 8mm Washer
- (3) 10mm Washer



HDPP9750A

CHRYSLER® AND GM® HARMONIC DAMPENER PULLER

- For use on cars, pickups, SUVs, and vans
- Updated version to fit more current GM® and Chrysler® vehicles



HD13350

CAMARO® 3.6L HARMONIC DAMPER PULLEY PULLER KIT

- Compact design easily fits in tight spaces for the puller leg to land on the pulley
- The calculated geometry increases the bite of the leg of the pulley as it is tightens



DH13450

DODGE® HARMONIC DAMPER PULLEY PULLER KIT

- Removes the harmonic damper pulleys found on many Dodge® 5.7L Hemi Pickup '09-current and 3.5L V6 1995-'09 engines
- Spring-loaded legs for leg-position retention
- Provides ease and control when installing the puller in confined areas
- Eliminates the time-consuming process of removing the radiator or other components



PB900SA

BEARING/PULLEY PULLER SET

- Set makes four different separators
- Blow-molded case with room for PB1130 (NOT INCLUDED)

PRODUCT #	DESCRIPTION	CAPACITY	MAXIMUM Spread	MINIMUM Spread	THREAD Size	SET
PB900SA	Bearing/Pulley Puller Set					
OTC1121	Bearing Pulling Attachment	1-11/16" / 42.9	15/16" / 23.8	1/4" / 6.4	5/16"-18	•
PB1122	Bearing Pulling Attachment	2-5/8" / 66.7	2" / 50.8	1/8" / 3.2	3/8"-16	•
PB1123C	Bearing Separator	4-3/8" / 111.1	4-5/8" / 117.5	3/8" / 9.5	5/8"-18	•
PB1130	Bearing Pulling Attachment	6" / 152.4	9" / 228.6	1/2" / 12.7	5/8"-18	
PB679	V-Belt Pulley Puller	-	5-7/8" / 150.6	1-3/4" / 44.9	5/8"-18	•

DR/VETRA/N GASKET AND CLUTCH TOOLS



GC950

GASKET CUTTER SET

· Consists of 10 cutting punch sizes

PRODUCT #	DESCRIPTION	SIZE [IN]	SET	PRODUCT #	DESCRIPTION	SIZE [IN]	SET
GC950	11-PC. Gasket Co	utter Set					
GC950P01	Gasket Cutter	1/4"	•	GC950P07	Gasket Cutter	5/8"	•
GC950P02	Gasket Cutter	5/16"	•	GC950P08	Gasket Cutter	3/4"	•
GC950P03	Gasket Cutter	3/8"	•	749R	Gasket Cutter	7/8"	•
GC950P04	Gasket Cutter	7/16"	•	GC950P10	Gasket Cutter	1"	•
GC950P05	Gasket Cutter	1/2"	•	GC950P11	Striker Bar	-	•
GC950P06	Gasket Cutter	9/16"	•	1		31 3	190



CA528

17-PC. CLUTCH ALIGNMENT TOOL SET

- · Works on virtually all cars and light-duty trucks
- · Aligns clutch plate properly by using tapered cones and pilot adapters
- · Compatible with both metric and SAE sizes

INCLUDES:

SAE:

- (7) Pilot Adapters
- (1) Clutch Disc Centering Adapter
- (1) Alignment Shaft

METRIC:

- (5) Pilot Adapters
- (2) Clutch Disc Centering Adapters
- (1) Alignment Shaft
- (1) 3.5mm Pin
- (1) 4mm Pin aft
- (1) 4.5mm Pin
- (1) 5mm Pin
- (1) 6mm Pin
- (1) 7mm Pin
- (1) 10mm Pin

UNIVERSAL JOINT TOOLS



HEAVY DUTY U-JOINT PULLER

- · Large diameter threaded shaft can handle U-joints that are severly seized and require higher force to pull and install
- Major tool components are heat-treated for strength and durability
- Smooth thread allows for a lower, more consistent effort to rotate shaft
- Fits all Class 7 and 8 trucks, including a wide variety of drivelines from Spicer and Meritor, making shop operations more efficient and reducing cost



MHD7490

U-JOINT TOOL

- Designed for use with a 1/2" impact wrench
- Holes in the puller legs for bolt storage
- Works on most Dana Spicer[®] and Rockwell® U-joints
- 5/16"-24 x 1-1/2"
- 3/8"-24 x 1-1/2"
- 7/16"-20 x 1-1/2"
- M8 x 1.25mm x 35mm



PNEUMATIC U-JOINT DRIVER

- Quickly removes the U-joint cap from the driveshaft on most rear-wheel-drive vehicles
- Use the driver with a .401 shank air hammer to remove U-joint caps up to 1-5/16" diameter
- Prevents damage to driveshaft and axle shaft ears, when presses or chisels are used
- On some vehicles the U-joint is retained with plastic from the factory





MEGA-GRIPPER™ OIL FILTER PLIERS

- Allows you to reach around hot exhaust manifolds without burning your arms
- Pliers give you tremendous gripping force with 32 biting teeth that grab onto the filter
- Two-position, slip-joint handle easily adjusts to fit different size filters
- Handle features a soft non-slip grip

PRODUCT #	JAW OPENING	LENGTH
L50550	2" to 4-1/2" wide	11"
L50720	3" to 5-1/2" wide	11"

OFH245C

ADJUSTABLE OIL FILTER PLIERS

- Covers filters from 2" to 4-1/4" diameter
- · Three contact points
- Made of forged alloy steel with heavy-duty textured grips

L50750

2-1/4" - 4" OIL FILTER PLIERS

- Slip-joint handle produces the range of three separate conventional filter wrenches
- Overall range 2-1/4" to 4"
- 20° Angled jaws fit more applications
- · Sure grip teeth prevent slipping
- · Cushioned handles provide comfort
- Overall fength: 11-1/2"

IPA7899

GATOR JAWS®

- Allow you to reach around hot exhaust manifolds without burning your arm
- Tremendous gripping force using its 32 biting teeth
- · Removes over-tightened filters
- · Works on oil, fuel, and hydraulic filters, fuel sending units, and more
- · Removes oil and fuel filters up to 8" diameter

OFHPSETA

AUTO AND TRUCK FILTER PLIERS SET

- Heavy-duty forged jaws with sharp teeth that grip the most stubborn oil filters
- Two new sizes that cover filters from 2-1/4" to 7" diameter

PRODUCT #	DESCRIPTION	SIZE	SET
OFHPSETA	Auto and Truck Filter P	liers Set	
OFH287A	Auto and Truck Filter Pliers	3-3/4" to 7" 18"	•
OFH297A	Auto and Truck Filter Pliers	2-1/4" to 5" 13-1/2"	٠

MACTOOLS.COM



DRIVETRAIN OIL FILTER WRENCHES AND SOCKETS



L61500

17-PC. HEAVY-DUTY END CAP **FILTER WRENCH SET**

L61450 (NOT SHOWN)

10-PC. HEAVY-DUTY END CAP **FILTER WRENCH SET**

- · Design has welds to hold a steel disc to the top of the wrench in addition to the spot welds, for increased strength
- A collection for use on the most popular domestic and import vehicles

PROPUST #	0175 (8458)	F1 11770		
PRODUCT #	SIZE (MM)	FLUTES		ET
L61500	17-PC. Heavy-Duty En			t
L61450	10-PC. Heavy-Duty End	Cap Filter Wrenc	h Set	
LIS61540	65/67	14	•	•
LIS61640	68	14	•	•
LIS61520	73/74	14		•
LIS61560	74/76	15	•	•
LIS61570	76	14	•	•
LIS61650	76	30	•	•
LIS61550	80	15	•	•
LIS61530	82	15		•
LIS61610	86	14		•
LIS61660	86	16	•	•
LIS61620	88.4	15		•
LIS61580	93	15	•	•
LIS61590	93	36	•	•
LIS61510	93	45		•
LIS61630	96	18		•
LIS61670	100	15		•
TOYWR1	64	14	•	•



5-PC. OIL FILTER **CUP WRENCH SET**

- Filter cup wrenches will service 98% of the cars sold in the USA
- · Made of super-strong nylon fiber composite that will withstand more torque than conventional metal filter wrenches
- Metal insert in wrench for strength

VEHICLE SPECIFIC WRENCHES



TOYWR1 TOYOTA® OIL FILTER WRENCH

- Heavy-duty design with hardened FILTER WRENCH steel plate for extra strength and • Oil filter wrench provides stronger welds
- For 64/65mm diamete Toyota® canisters with 14 flutes
- Works on metal and plastic canister housings



PBT71110A TOYOTA® 4-CYLINDER **AND V-8 OIL**

- multiple contact points that engage the housing cap securely allowing easy removal
- OE design and quality wrench fits Toyota® and Lexus® applications



PBT71113A TOYOTA® 6-CYLINDER FILTER WRENCH

 OE design and quality wrench fits Toyota® 6-cylinder engines



OF903 FORD®/MAZDA® 2.3L OIL FILTER SOCKET

- · Oil socket designed at 76.5mm to fit new 2.3L 4-cylinder engines
- Works on Mazda[®] 3, Mazda[®] 5, Mazda[®] 6, Ford[®] Fusion, and Mercury® Milan 2.3L 4-cylinder engines



OFS7-SET **7-PC. FILTER SOCKET SET**

PRODUCT #	SIZE IN. / MM	APPLICATIONS	SET
OFS7-SET	7-PC. Filter So	ocket Set	
LIS13280	Fleetguard® filter on motorhomes, buses, and some medium-size trucks with Cummins® engines. Also some K&N® filters		
LIS13290	/ 28	'10 - '18 Dodge® Cummins® 6.7L fuel filter	•
LIS14600	1-1/8" / 29	Dodge® Cummins® fuel filter	•
LIS13310	/ 24	Cadillac® and some BMW®	•
LIS13320	/ 27	'03 and later Mercedes® 1.8L, Smart and some VW®	•
0FS145	/ 35/36	Ford® 6.0L Diesel fuel and oil filter housings, Mini Cooper® and BMW® oil filter housings, Mack® Truck oil filter housing	•
OFS147	1-1/4" / 32	GM® Ecotec 2.0L, 2.2L, 2,4L 4-cylinder oil filter housing, Chevrolet® HHR 2.4L oil filter housing and some Saturn® and SAAB®	•



OFS145 OIL/FUEL FILTER SOCKET

35/36mm fits 6.0L Ford®s



OFS147 OIL FILTER SOCKET

32mm fits 2.2L GM®s



OCW71 71MM TOYOTA® OIL **CANISTER WRENCH**

ocw80 **80MM TOYOTA® OIL CANISTER WRENCH**

- For use with Toyota® engines with cartridge-type oil filters
- 3/8" Drive heavy-duty steel construction



L63250 **OIL FILTER WRENCH** FROM 3-1/8" TO 3-7/8"

L63600 **OIL FILTER WRENCH** FROM 2-1/2" TO 3-1/8"

- The large range enables this wrench to fit most standard size filters
- Works great in tight spots since it works from the top of the filter
- Use with 3/8" drive ratchet or breaker bar



OFH276B **3-PRONG HEAVY-DUTY FILTER WRENCH**

- · Gear-driven hardened metal legs grip and turn the tightest filters
- Use with 1/2" square drive tools
- Filter diameter: 2-1/2" to 4" (63.5 to 101.6mm)



OFH160



SELF-GRIPPING OIL FILTER WRENCH

PRODUCT #	DRIVE Adapter	DRIVE SIZE	FILTER SIZES
OFH120	1/2"	3/8"	3-1/8" - 4-3/4" (80mm-120mm)
OFH160	-	1/2"	3-3/4" - 6-1/2" (95mm-165mm)

OFH120





- · Removes and replacing the main filter collar as well as the vent cap on aftermarket diesel fuel filter systems
- · Half-moon design for easier access to the fuel filter
- High strength steel prevents flexing while loosening stubborn filter collars
- Four teeth grab the vent cap securely

PRODUCT #	APPLICATIONS	FILTER SIZE
L61060	Kenworth®, Peterbilt® and Cummins® diesels	5"
L61090	Class 4, 5, & 6 trucks, pickup trucks	5"
L61110	Caterpillar® CT660, Ct11, CT13, CT15, Cummins®, Detroit Diesel, International®, Mercedes Bens®, Paccar®, Daimler® Trucks North America, Kenworth®, Mac®, Navistar®, Peterbilt®, Thomas® built Buses, Volvo®	6"
L61130	Detroit Diesel® DD13, DD15 and DD16 engines found in Paccar®, Daimler® Trucks North America, and Volvo®	8"



- Fits 66mm to 105mm diameter filters
- 5° Ratcheting increments
- Spring-loaded automatic tightening band
- · Compact design allows filter removal in the tightest of spaces

OIL FILTER WRENCH KIT

 Features one handle and yoke assembly with four different bands

PRODUCT #	DESCRIPTION	FILTER SIZE	SET
OF4B	Oil Filter Wrench Kit		
0F4B-01	Handle and Swivel	-	•
0F4B-02	Pin	Pin –	
0F4B-03	Oil Filter Band	2-3/8" - 2-3/4"	•
0F4B-04	Oil Filter Band	2-7/8" - 3-1/4"	•
0F4B-05	Oil Filter Band	3-1/2" - 3-7/8"	•
0F4B-06	Oil Filter Band	4-1/8" - 4-7/16"	•

SWIVEL NO-SLIP OIL FILTER WRENCH

- · Specially designed tab helps keep the grip from sliding off the handle
- Tension adjusting nut allows swivel pressure to be regulated
- Stainless steel band with permanently bonded textured coating

PRODUCT #	APPLICATIONS	FILTER SIZE
L57010	X-Small Filters	2-3/8" - 2-5/8"
L57020	Small Filters	2-7/8" - 3-1/4"
L57030	Standard Filters	3-1/2" - 3-7/8"
L57040	Large Filters	4-1/8" - 4-1/2"



SWIVEL OIL FILTER WRENCHES

- Stainless steel band with projection welds for strength and anti-corrosion
- Heat-treated handle/alloy steel swivel with increased metal thickness

PRODUCT #	APPLICATIONS	FILTER SIZE
OF537A	Compacts and Imports	2-7/8" - 3-1/4"
OF535A	Standard Size Oil Filters 3-7/16" - 3-3/4	
OF5325A	Truck and HD Equipment	4" - 4-3/8"



SWIVEL OIL FILTER WRENCHES

- Features the swivel handle, gripper "teeth" and 1" wide stainless-steel band
- Vinyl-covered handle

PRODUCT #	APPLICATIONS	FILTER SIZE
L53700	Compacts and Imports	2-7/8" - 3-1/4"
L53500	Standard Size Oil Filters 3-1/2" - 3-7/8"	
L53250	Truck and HD Equipment	4-1/8" - 4-1/2"

OF989 TRUCK SWIVEL **OIL FILTER WRENCH**

• Fits filters 4-5/16" to 4-3/4" and Cummins® and Detroit Diesel® engines



OFH635 BELT FILTER WRENCH

- Use with 1/2" drive ratchet or breaker bar to remove filters up to 6-1/2"
- · Strong nylon belt will not slip



OIL FILTER WRENCH • Fits filters 5-1/4" to 5-3/4" and Caterpillar® engines

TRUCK SWIVEL

OF991



SQUARE DRIVE BAND-TYPE **OIL FILTER WRENCH**

- Removes oil filters 3-7/16" to 3-3/4" (90.4mm to 95.3mm) in diameter
- Use with 3/8" square drive ratchet or breaker bar



L60200 **HEAVY-DUTY STRAP WRENCH**

- · A heavy-duty, heat-treated alloy steel yoke and strong web strap
- Use with 1/2" drive ratchet or breaker bar to remove filters up to 6-1/2"
- 3-5/8" Long yoke fits into tight areas



HEAVY-DUTY OIL FILTER WRENCHES

• Use with 1/2" square drive ratchet or breaker bar

PRODUCT #	APPLICATIONS	FILTER SIZE
OFH2320B	Full Size Trucks and Vans	4-1/8" - 4-21/32"
OFH2321B	Full Size Trucks and Vans	4-21/32" - 5-5/32"
OFH2322B	HD Equipment	5-5/32" - 5-21/32"

DR/VETRA//V OIL FUNNELS AND ADAPTERS



SD1270S8 8-PC. OIL FUNNEL SET

A threaded funnel stays seated and sealed without leaking as you replace the oil. The inner valve cover baffles are so close to the fill hole on some vehicles that most funnels won't fit without toppling over.

PRODUCT #	DESCRIPTION	SET
SD1270S8	8-Pc. Oil Funnel Kit	
SD1270T02	Red Upper Funnel	•
SD1270T3	Subaru® Funnel Adapter	•
SD1270T2	Toyota® Funnel Adapter	•
SD1270H01	Honda® Funnel Chamber	•
SD1270T01	Toyota® Funnel Chamber	•
SD1270CS01	Chrysler® Funnel Chamber	•
SD1270FR01	Ford® Funnel Chamber	•
SD1270GM01	GM® Funnel Chamber	•



L19832 **FUNNEL WITH CAP** AND SPOUT COVER

- Funnel has a total capacity of 1.6 qt and is made out translucent of polypropylene
- Overall length of funnel is 15-1/4" x 6-11/16" wide with a 4" hole on top of the funnel

MDB4848

FLEXIBLE SPOUT FUNNEL

- Designed to reach difficult fill locations
- Aluminum 5-1/2" funnel features a removable debris screen in the base flowing to a 25" flexible spout



SF19802

712

2-PC. SUPER FUNNEL

- Use the large end to fill the crank case and the aritifreeze receptacle wothout drippingon the engine cover lor paint job
- Use as a long super funnel with both parts screwed together



FF4470

2-PC. MULTI-PURPOSE FUNNEL

- 16" Plastic, flexible funnel provides access to hard-to-reach areas without spilling
- Detachable spout screws onto many types of containers for double-duty use

L17232

RIGHT ANGLE FUNNEL

- 10" Tall translucent funnel with a 6-3/4" offset from center of mouth to center of spout for hard-to-reach applications
- The funnel mouth is 3.5" O.D. and the spout is .7" O.D.







SD5006B

FLEXIBLE FUNNEL

- Made from Nitrile Butadiene Rubber (NBR) for superior strength
- · Can be molded into different shapes
- Safe for use with engine oil, brake fluid, ATF, and coolant
- Acceptable temperature range: -31°F and 221°F (-35°C and 105°C)



24780

18-PC. SPILL-FREE **COOLANT FUNNEL KIT**

- · Clear funnel allows a quick visual check of coolant from across the shop
- Colored adapters for quick identification
- Eliminates trapped air pockets
- · Enables unattended filling of the cooling system
- · Fits most domestic and import cars and light trucks



LDA18130

LIFT /TRANSMISSION DRAIN ADAPTER

- 22" x 23" (559.0mm x 584.0mm) Heavy-duty plastic drain funnel
- Extends the catch area of any lift drain
- Funnel catches any loose parts
- · Will prevent parts from falling through drain siphon

L38780 (NOT SHOWN)

FLUID DRAIN NO SPLATTER PAD 22"



OD30L (NOT SHOWN)

8-GALLON SHOP **OIL COLLECTOR**

- 8 Gallon Oil collector
- Composite reservoir and catch pan
- · Extra wide catch tray included
- · 4 swivel wheels.
- · Level indicator

OD80L 21-GALLON SHOP

- OIL COLLECTOR • 21 Gallon Oil collector
- Height adjustable from 3.7' to 5.5'
- Steel Reservoir and catch pan
- Filter grid included
- 4 swivel wheels.
- · Level indicator.
- · Tank draining by compressed air with safety valve.
- · Drain plug for maintenance

LD11102

8-GALLON OIL LIFT DRAIN

- · Quick-release lock ring for fast raising and lowering of upper tube with a total adjustment range of 22-1/2"
- Large 15" funnel with strainer
- · Heavy-duty clamp with height adjustment range of 15"
- Specially shaped jug holds 8 gallons
- Reinforced base will not warp with hot oil
- · Large handles make pouring easy
- · Big pour spout with threaded cap
- Four 2-1/2" ball bearing wheels swivel and roll easily



DRIVETRAIN MAINTENANCE TOOLS



DPPG1

DRAIN PLUG PITCH GAUGE

- 3-In-1 function: Pitch, diameter, and length
- Suitable for male parallel bolts, studs, and screws
- Identifies most common sizes; Metric and SAE
- · Convenient tool helps prevent installation of incorrect bolt, stud, or screw





FLYWHEEL TURNER WITH COMFORT-GRIP™ HANDLE

Spring tension holds tool onto flywheel, allowing freedom of both hands



DURAMAX® FLYWHEEL LOCK

- Locks flywheel in place when removing harmonic balancer on 6.6L DURAMAX® engines with Allison® automatic transmissions
- Saves time by locking the flywheel at the transmission instead of having to remove the starter for water pump replacement



BP300

HANDY PACKER BEARING PACKER

- Quickly flushes out old grease and re-packs bearings with less mess
- Fits bearings up to 3-1/2" O.D.
- Grease stays in the tool cavity, not on your hands
- · Simplifies the processof packing a bearing

L48700 UNIVERSAL THROTTLE DEPRESSOR

- Holds throttle at a constant RPM
- Adjustment screw to fine-tune the RPM level
- · Overall length: 40"

L48300

PUSH ROD REMOVER

- Works on 3.5L, 3.6L, V6 2.8L, 3.1L, and 3.4L GM[®] engines
- Quickly removes push rods so you can replace the intake gasket
- No need to loosen and retighten the rocker arms



TST2340

TRANSMISSION STOPOFF TOOL

- Stops loss of transmission fluid
- Five stepped plugs fit most transmissions and transaxles



EXPANSION PLUG DRIVER SET

· Drives expansion plugs into place securely in minutes

INCLUDES:

- (1) 5/8" Diameter Driver Bar
- (1) 7/8" Swivel Head Adapter (1) 1-1/4" Adapter
- [1] 1-3/8" Adapter
- (1) 1-5/8" Adapter
- [1] 2" Adapter
- (1) Retainer Ring
- (1) Blow-Molded Case

PRODUCT #	DESCRIPTION	SIZE [IN]	SET
FP310MA	Expansion Plug Driver Set		
FP310MA-1	Driver Bar	5/8" Diameter	•
FP310MA-3	Adapter	1-1/4"	•
FP310MA-5	Adapter	1-3/8"	•
FP310MA-6	Adapter	1-5/8" x 1-3/4"	•
FP310MA-7	Adapter	2" x 2-1/4"	•





SPARK PLUG GAP **GAUGE WITH HANDLE**

- Pocket-clip feature
- Full range coverage for all spark plug gapping requirements from .020 to .080
- Metric gapping scale shown on reverse side that covers 0.6mm to 2.0mm
- Tool includes a recess specifically designed to adjust electrodes



PLUG BOOT PULLERS SP600A (NOT SHOWN)

70° BEND SPARK PLUG BOOT PULLERS

- · Allows for easier access to the boot
- · Custom handle making it easier to grip



SPARK PLUG GAPPER

- Range from .020 to .100
- .002 increments
- Metric equivalents
- Side wire adjuster
- · Fits all plugs
- · Hole in top fits key ring



FORD® 6.0L POWER STROKE **GLOW PLUG HARNESS** REMOVER/INSTALLER

· Easily removes and installs wiring harness from Ford® 6.0L Power Stroke diesel glow plugs





SP389FCC

FORD® CYLINDER REPAIR KIT

- Designed to aid in repairing Ford® Triton 4.6L and 5.4L V-8s, 6.8L V-10, and works on some 4-cylinder applications
- Using customized alloy steel drill and tap in conjunction with a patented guide system, this innovative tool provides the technician with a quality, foolproof repair system that is fast, cost effective, and simple to use
- Install the patented alloy steel cylinder threads in under an hour, without removing heads
- A must for any technician working on Ford® engines

INCLUDES:

- (1) CAL370-700 Shut-Off Needle Valve
- (1) CAL390-200 Rubber Stopper
- (8) SP389FC-01 Spark Plug Insert
- (1) SP389FC-02 11/16" Core Drill
- (1) SP389FC-03 3/4"-16 Tap
- (1) SP389FC-04 Guide
- (1) SP389FC-05 Blow-Molded Case



PE391FC **FORD® TRITON SPARK PLUG EXTRACTOR**

- This new item works to extract frozen and broken off spark plug sleeves in 2004 to present Ford® Triton engines
- · Specially machined guide works with extra long tap and extractor to make sure the job is done right



L65600 **BROKEN SPARK PLUG REMOVER**

- Removes broken spark plugs from 2004 and newer Triton 3-valve engines
- Includes a porcelain pusher tool and a tapered left-hand thread remover for removing the broken spark plug without leaving the porcelain in the engine cylinder
- Provides space for the left hand thread remover to bite into the stainless steel plug tip so it can then be pulled



3-VALVE TRITON

SPARK PLUG REMOVER • Includes a porcelain puller tool that snaps onto the terminal of a broken

spark plug to pull the porcelain out Also includes a porcelain pusher for when the porcelain breaks off in the spark plug tip and a self-tapping puller to remove the seized metal tip



SPS8310 **SPARK PLUG** STARTER—FLEXIBLE

- Plug starter is intended to be used to start spark plugs in difficult to reach areas
- This tool consists of flexible beads [12-1/2" long overall) with a twist handle on one end and a spark plug holder on the other



SPARK PLUG STARTER

- Flexible, sure grip
- · Universal size, fits all spark plugs
- · Durable, convenient, and non-marring

IGNITION TOOLS SPARK PLUG TOOLS





- Rubber retainer holds the spark plug by the porcelain insulator for better grip
- · Highly chromed finish for easy clean up and long lasting corrosion protection
- Knurled end for easy turning by hand
- May be used with or without an extension

PRODUCT #	SIZE	DESCRIPTION	TYPE	CHROME
SC179RA	5/8"	Universal Spark Plug Socket	Block	•
SC181R	5/8"	Universal Spark Plug Socket	Ball	
SCU14MMR	14mm	Universal Spark Plug Socket	Block	•



MAGNETIC SPARK PLUG SOCKET INSERTS

- · Magnet firmly holds both the insert in the socket. and the spark plug in the insert
- · Helps prevent damage to the ceramic portion of the spark plug
- Four sizes fit most domestic and imported spark plug sockets



SPK9-SET (NOT SHOWN)

9-PC. MULTI-LENGTH SPARK PLUG SOCKET SET SPK13-SET

13-PC. MULTI-LENGTH SPARK PLUG SOCKET SET

- Three different sizes and three different configurations most commonly used when working with spark plugs: 9/16", 5/8", and 13/16" sizes in standard, universal, and extra deep styles
- · Highly chromed finish for easy clean up and long lasting corrosion protection
- · Each socket is knurled for easy turning by hand

PRODUCT #	SIZE	OVERALL LENGTH	OUTSIDE DIA	SI	T
SPK13-SET	13-PC. MULTI-LENGTH SPARK PLUG SOCKET SET				
SPK9-SET	9-PC. MULTI-LENGTH SPARK PLUG SOCKET SET				
SC14MMR	Spark Plug Socket 14mm	2-1/2"	25/32"		•
SC177RTW	Thin-Wall Spark Plug Socket 16mm	2-1/2"	25/32"		•
SC1832R	Spark Plug Socket 9/16"	2-1/2"	25/32"	•	•
SC2032R	Spark Plug Socket 5/8"	2-1/2"	27/32"	•	•
SC214MMRTW	Thin-Wall Spark Plug Socket 14mm - 12-PT.	2-3/4"	23/32"		•
SC2632R	Spark Plug Socket 13/16"	2-1/2"	1-1/4"	•	•
SCD1832RD	Extra Deep Spark Plug Socket 9/16"	5-7/8	25/32"	•	•
SCD2032RD	Extra Deep Spark Plug Socket 5/8"	5-7/8	27/32"	•	•
SCD2632RD	Extra Deep Spark Plug Socket 13/16"	5-7/8	1-1/4"	•	•
SCU14MMR	Universal Spark Plug Socket 14mm	3-7/16	25/32"		•
SCU1832R	Universal Spark Plug Socket 9/16"	3-7/16	25/32"	•	•
SCU2032R	Universal Spark Plug Socket 5/8"	3-7/16	27/32"	•	•
SCU2632R	Universal Spark Plug Socket 13/16"	3-7/16	1-1/4"	•	•

PRODUCT #	SIZE	MAC TOOLS SOCKETS SERVICED
SP530	0.54	SC177R, SC179RA
SP531	0.58	SC163R, SC169R, SC181R
SP532	0.7	SC163R, SC169R, SC181R
SP533	0.785	SC164R, SC178R, SC180RA, SC182R





16MM THIN-WALL SPARK PLUG SOCKET

- Special thin wall 16mm design to fit tight applications found on Toyota®, Mitsubishi®, BMW®, and some GM® models
- Rubber insert grips spark plug securely
- Hex end allows the use of a wrench if necessary
- High polish chrome-plated finish for long lasting corrosion resistance
- Overall length: 2-1.2", 6 PT.



SC178R

13/16" SPARK PLUG SOCKET

SC177R

5/8" SPARK PLUG SOCKET

- Rubber retainer holds plug by the porcelain insulator for better grip
- Knurled for firm control
- Hex end allows turning by wrench
- · Chrome plated
- 3/8" Drive

SC1832R 9/16" SPARK PLUG SOCKET

- For 2004 5.4L Ford® Triton engines
- Hex end allows turning by wrench
- Overall length: 2-3/4", 6 PT.
- 3/8" Drive

SC14MMR 14MM SPARK PLUG SOCKET

- Knurled end for easy turning by hand
- Hex end allows turning by wrench
- Overall length: 2-3/4", 6 PT. hex

SCD2032RD 5/8" EXTRA-DEEP

Rubber retainer holds plug by the porcelain insulation for better grip

SPARK PLUG SOCKET

- Chrome finish
- Hex end allows turning by wrench
- Overall length: 5-7/8", 6 PT.
- 3/8" Drive

SEAL PULLER

SP8PA

UNIVERSAL SEAL PULLER

- Removes oil seals on transmissions, axles, differentials, and power steering pumps
- 2-Lbs. Slide hammer

S120P

SEAL PULLER

- A few hammer taps on tool back removes seals on automatic transmissions
- Standard, 1/2" stock

S120SP (NOT SHOWN)

SEAL PULLER

• Short (no handle), 5/16" stock

L56750 SEAL PULLER

- · For oil and grease seals
- Simply insert the tip of the tool behind the oil or grease seal, press and pull
- Two-sized tips reach in and fit nearly all seal applications
- Overall length: 12-1/2"

SP57HB

SEAL PULLER WITH COMFORT-GRIP™ HANDLE

• Two-sized tips to fit most seal applications

SP566A

ADJUSTABLE SEAL PULLER

- Head adjusts to five positions
- Two hook sizes easily remove most oil and grease seals
- Adjustable head works great on front-wheel drive transaxles
- Also works on front crankshaft seals without removing the radiator







LIS69930

- HD TURBO TEST KIT W/ SMOKE ADAPTER
 Helps locate air leaks in turbo system components by plugging the output side of the turbo and the intake inlet
- Air is applied through one adapter to show the presence of leaks within the system
 Stepped adapters that fit most turbo systems on cars and light trucks systems
- May also be used on some cooling system hoses

PRODUCT #	SIZE MM	ADAPTER TYPE	SET			
LIS69930	9-PC. HD T	9-PC. HD Turbo Test Kit w/ Smoke Adapt				
LIS69840	Air Re	Air Regulartor Hose and Gage				
LIS69790	75/80	Air Plugged	•			
LIS69800	75/80	Air Fitting	•			
LIS69810	85/90	Air Plugged	•			
LIS69820	85/90	85/90 Air Fitting				
LIS69850	95/100	Air Plugged	•			
LIS69860	95/100	Air Fitting	•			
LIS69870	105/110	Air Plugged	Plugged			
LIS69880	105/110	105/110 Air Fitting				





FIT1200MS

FUEL INJECTION TEST KIT

- Includes all items necessary for checking the fuel injection system pressures on most domestic and foreign cars
- Large 3-1/2" gauge 0-145 PSI and 2-1/2" gauge 0-15 PSI
- · All adapters, gauge heads, and hose assemblies feature a quick coupling system
- Comes complete with rubber gauge protectors on both gauges, instructions, and blow-molded case with easy identification marked on case and parts





5380470

FORD® FUEL FILTER CAP TOOL

- Works on Ford® 36mm cartridge style oil filters and fuel filters
- 36mm Hex, combined with six notches allows this tool to do the work of two
- Blue-anodized aluminum
- 3/8" Drive



TU326

GM® 6.6L DURAMAX® DIESEL FUEL SYSTEM TEST

- For diesel fuel pressure and vacuum testing on GM® 6.6L DURAMAX® engines
- · Gauge assembly with 6-ft. hose and quick coupler
- 3-1/2" gauge reads 30 in Hg to 15 PSI



FIT810B

BASIC FUEL INJECTION TEST KIT

- Includes adapters to service many domestic, Japanese, and marine applications
- Includes both GM® and Ford® test port fittings, in-line and end-of-line hose connections, and fuel bolt sizes 6mm-12mm
- · All adapters and gauge heads have quick disconnect fittings for ease of use

DISCONNECT TOOLS









MASTER AND ANGLED DISCONNECT AND A/C FUEL LINE DISCONNECT SETS

PRODU	CT#	SIZE	DESCRIPTION SET			ET		
MD60	00	Master Plus	Disconnect Set					
MD40	00	Master Disco	Master Disconnect Set					
DS400		6-PC. Angled	Disconnect Set					
DTS37	000	6-PC. A/C Fu	el Line Disconnect Set					
CT111	7		Clutch Coupling Tool				•	
DS410		5/16"	Angled Disconnect - Yellow		•	•	•	
DS420		3/8"	Angled Disconnect - Blue		•	•	•	
LIS394	130	1/2"	Angled Disconnect - Red		•	•	•	
LIS394	140	5/8"	Angled Disconnect - Green		•	•	•	
LIS394	150	3/4"	Angled Disconnect - Orange		•	•	•	
LIS394	160	7/8"	Angled Disconnect - White		•	•	•	
LIS370)10	7/8"	Disconnect Tool	•		•	•	
LIS370)20	3/4"	Disconnect Tool	•		•	•	
LIS370)30	5/8"	Disconnect Tool	•		•	•	
LIS370	140	1/2"	Disconnect Tool	•		•	•	
L3705	0	3/8"	A/C Fuel Line Disconnect Tool	•		•	•	
LIS370)60	5/16"	Disconnect Tool	•		•	•	
LIS347	750		Low-Profile Fuel Line Disconnect				•	
LIS398	310		GM® Hydraulic Clutch Line Disconnect Set				•	
LIS398	320		Chrysler® Disconnect Tool				•	
LIS398	330		Ford® Oil Cooler Line Disconnect				•	
LIS398	340		Ford® Fuel Line Disconnect Tool				•	
L2293	0	3/8"	JiffY-Tite®				•	
L2294	0	1/2"	Jiffy-Tite® Low Profile				•	
L3730	0		Fuel and AC Disconnect Pliers				•	
L3916	0		Fuel Line Tool Set				•	
L3921	0		Toyota®/Nissan® Fuel Disconnect				•	
MD40	00-10		Hairpin Disconnect				•	
T3966	0		Trans Oil Cooler Line Sissors				•	
FF350			GM® Fuel Filter Disconnect			•		
LIS37	500		GM® Fuel Module Disconnect			•	•	
MD40	00-4		Right Arm GM® Fuel Module Disconnect			•		
MD40	00-5		Right Arm GM® Fuel Module Disconnect			•		
MD40	00-9	5/16"-3/8"	Sissor Disconnect			•		
TD960			Ford® Trans Oil Cooler Disconnect			•		



5-PC. AIR LINE DISCONNECT SET

- Disconnects quick connect push-in connectors found on heavy-duty truck air systems and more
- Each tool is double-ended to disconnect air lines even in hard-to-reach areas
- · Angled end allows maximum leverage
- Smaller end fits in tight spots

MD4000

APPLICATIONS:

- Disconnects air systems on brakes, suspension, steering, engine, transmission, and other auxiliary equipment
- Also disconnects other quick-connect push-in fittings, including: flow-control valves, check valves, shuttle valves, quick exhaust valves, and other function control fittings in compressed air systems
- Smallest size also works on automatic adjusting air suspension systems for automobiles

INCLUDES:

1/8", 5/32", 1/4", 3/8", 1/2", and 5/8"



IFFL DC INITEDA

4-PC. INTERNATIONAL MAXX FORCE FUEL LINE DISCONNECT TOOL SET

- International Maxx Force series 11 and 13 engines
- Heat treated fork tines eliminate tool deflection
- Plastic grip handle for comfort
- Tool fits the 3/8" Jiffy-tite® fitting found on oil cooler lines used on transmissions and radiators and other applications





FLTS893A

FUEL AND TRANSMISSION LINE DISCONNECT SET

PRODUCT #	DESCRIPTION	ION APPLICATIONS		SIZE	SET
FLTS893A	Fuel and Transmission Line Disc	onnect Set			
FLT782AB	Ford® Fuel Line Coupling Tool	1990 and newer Ford® Rangers and Explorers having 4.0L, 6-cylinder engines	_	_	•
FLT832A	Fuel Line Tool	-	Black	1/4"	•
FLT1032A	Fuel Line Tool	-	Red	5/16"	•
FLT1232A	Fuel Line Tool	-	Gold	3/8"	•
FLT1632B	Transmission Line Tool	-	Blue	_	•
TQD7244C	Transmission/Fuel Line Tool	-	-	-	•



L22990 4-PC. LOW-PROFILE JIFFY-TITE® QUICK-DISCONNECT SET

- Low-profile design quickly and easily disengages the line from Jiffy-Tite® quick-connect fittings without removal of the clip
- The teeth of the tool fit perfectly into tight tolerance of Jiffy-Tite® connectors and when rotated allow the line to be pulled without damage to the connector or retaining clip so they can be reused



JT34DT 3/4" DISCONNECT TOOL

- Includes one each of all four sizes Jiffy-tite® quick disconnect tools (3/8", 1/2", 5/8", and 5/8" 30%)
- Applications include light-duty GM[®] cars, trucks, vans and SUVs and medium-duty GM® trucks
- · Packaged in a blow-molded case



3/8" JIFFY-TITE®

- Disengages the line from Jiffy-tite® quick connect fittings without removal of the clip
- · Teeth of the tool fit perfectly into tight tolerance of Jiffy-tite® connectors and when rotated allow the line to be pulled without damage to the connector or retaining clip so they can be reused
- Tool fits the 3/8" Jiffy-tite® fitting found on oil cooler lines used on transmissions and radiators and other applications



JIFFY-TITE® DISCONNECT SET

- Disengages the line from Jiffy-tite® quickconnect fittings without removal of the clip
- Handy spring-action of the stainless steel tool keeps the tool on the line and makes the tool easier to use

FUEL STOPPERS AND PINCHERS



HOSE PINCHING CLAMPS

- Lightweight, sturdy, non-conductive locking clamps for fuel, vacuum, and radiator hoses
- · Both sets include small, medium, and large sizes which cover 7/64" to 2-1/4"

PRODUCT #	DESCRIPTION	SIZE	S	ΕT		
FCSA	3-PC. Angled Hose Pi	3-PC. Angled Hose Pinching Clamps				
FCS1	3-PC. Hose Pinching	3-PC. Hose Pinching Clamps				
FCSA1	Fuel Line Clamp	Small		•		
FCSA2	Fuel Line Clamp	Medium		•		
FCSA3	Fuel Line Clamp	Large		•		
FCS1A	Hose Clamp	Small	•			
FCS1B	Hose Clamp	Medium	٠			
FCS1C	Hose Clamp	Large	٠			



HCP22850 2-PC.HOSE PINCHER SET

- A very quick and easy way to pinch off vacuum lines, fuel lines, and other small diameter lines without damage
- Body is made from strong fiberglass reinforced nylon for long life and resistance to solvents



- The set includes four stoppers to seal lines in automotive flare type steel brake lines, power steering and transmission cooler lines
- Two line clamp pliers 6-1/4" and 7-1/4" in length seal flexible brake lines, fuel and vacuum lines, with smooth rounded edges that will not damage internal hose reinforcement
- Made of light weight and highly visible, fluid resistant nylon-reinforced plastic
- Eight stoppers and four caps are made of highly visible, flexible plastic and used for plugging vacuum and fuel lines during engine tune-ups
- Stepped design can be used for both internal and external stoppage
- Stopper sizes from 1/8" through 1/2"
- Caps are 5/8" and 3/4" for larger lines

FUEL SYSTEM REPAIR TOOLS



S115KP DIESEL INJECTOR PULLER®

- Pulls injectors on Detroit Diesel® and Cummins® engines
- · Bend and long handle provide extra leverage



L37160

85° BENT-HEAD **DISCONNECT PLIERS**

- Low-profile design with 85° bend allows the tool to fit between the top of the fuel tank and vehicle
- · Works great on Delphi two tab connectors and some import vehicles
- Compatible with some electrical connectors
- · Spring action for ease-of-use

VFL12

VOSS 1/2" FUEL LINE DISCONNECTION SET

- For Cummins® ISB, ISC, QSC8.3. QSL9, and Iternational engines
- 90° And straight version for multiple applications where space maybe limited



FUEL AND AC DISCONNECT PLIERS

- Provides extra leverage when disconnecting quick-connect coupling AC and fuel lines
- Use with 5/16", 3/8", or 1/2" adapters from Lisle 37000 or 39400 Disconnect Tool Sets
- Pliers' forks have different sized openings so the tool can be turned around to fit single or two step collar designed connector lines



L30600

CV BOOT CLAMP PLIERS

- · A special boot clamp crimping pliers that is designed to work in confined spaces
- · The pliers work from the side (head is turned 90°) unlike traditional tools that work from the end



FUEL TANK LOCKING RING TOOL

- · Remove and install plastic fuel tank lock rings from 4" to 7-1/4" without damage
- · Adjust to fit a wide range of applications and keeps the drive centered
- Works on the new smaller GM® serrated rings and traditional rings



FFW700

FORD® FUEL FILTER WRENCH

- Access tough fuel filters found on Ford[®] Power Stroke Diesel and International Navistar Diesel engines
- Allows for positive contact on all tabs of the filter cap
- Two types of configurations allow tool to work on different styles of fuel filter lids



OSW-SET
11-PC. OXYGEN
SENSOR SOCKET SET

 Master oxygen sensor and sending unit tool set SW6500B FLEX-HEAD OXYGEN SOCKET TOOL - 12-PT.

OSW28F (NOT SHOWN)
BENT-HANDLE FLEX-HEAD
OXYGEN SENSOR WRENCH - 6-PT.

- Flexible head design assists in the removal of stubborn 02 sensors that are 7/8" in diameter, a common size to most vehicles
- Pivots to allow more angles of placement

PRODUCT #	DESCRIPTION	DESCRIPTION APPLICATIONS		SET
OSW-SET	11-PC. Oxygen Sensor Socket Set			
OSW101	Oxygen Sensor Socket	O2 and oil pressure sending units on late	1/2" x 29mm x 90mm	•
OSW102	Oxygen Sensor Socket	1980s/mid-1990 vehicles	3/8" x 7/8" x 90mm	•
OSW103	Oxygen Sensor Socket	Vacuum switches with a 7/8" hex and some 02 sensors	1/2" x 27mm x 85mm	•
OSW104	Oxygen Sensor Socket	Sensor Socket Thermal sensor switches on 1973-1977 GM® vehicles		•
OSW105A	Oil Sending Unit Socket	O2 sensors and vacuum switches on many domestic and imported vehicles requiring wire clearance	1/2" X 1-1/16" X 74MM	•
OSW106	Oxygen Sensor Socket	Designed with a slot to accommodate the connectors on heated O2 sensors	3/8" x 7/8" x 50mm	•
OSW107	Offset Oxygen Sensor Wrench	Offset Oxygen Sensor Wrench Low profile for use in tight areas		•
OSW108	Special Tube Socket	To remove O2 sensors on many European vehicles; also for Mercedes diesel injectors	3/8" x 22mm	•
0SW109	Offset Oxygen Sensor Wrench	Allows maximum accessibility when removing O2 sensor sockets; also for Super-Duty 12- and 6-PT. applications	2-1/8"	•
OSW110	Deep Oxygen Sensor Socket	Side slot allows wire clearance	3/8" x 3-7/8"	•
0SW111	Oxygen Sensor Thread Chaser	Can be used to clean and repair threads on exhaust O2 sensor parts; also to clean threads on M18 x 1.5 spark plug socket	_	•



OSW8875B OXYGEN SENSOR WRENCH

- Compact design
- · Made from quality heat-treated steel, this tool works on both foreign and domestic cars
- Drive size: 3/8"



OSW6675B SHIELDED OXYGEN **SENSOR WRENCH**

- · 6-PT. Double hex
- Forged of chrome-alloy steel with SP high-tech black finish
- · Repair and replace shielded oxygen sensors currently found on many Asian vehicles including Toyota® and Lexus®
- Fits in the limited space of the heat shield
- Offers maximum strength



OSW390 DUAL-DRIVE OXYGEN SENSOR WRENCH

- Wrench allows the use of either a 1/2" and 3/8" drive ratchet or breaker bar
- 1/2" drive end of the tool to initially loosen stuck sensors
- 3/8" ratchet on the top
- · Fits oxygen sensor applications with a heat shield
- · Slotted body allows clearance for wire harnesses



OXYGEN SENSOR THREAD CHASER

· Can be used to clean and repair threads on exhaust Oxygen sensor parts; also to clean threads on M18 x 1.5 spark plug socket



WSD66 WATER SENSOR WRENCH OEM

· Removes and installs the water sensor on 2001 to 2011 6.6L DURAMAX® diesel engines



8-PC SOCKET SENSOR SET

0-F0.	SOURL	I SENSON SET		
DRIVE	SIZE	DESCRIPTION		
1/2"	29mm	Vacuum Switch and 02 Socket		
3/8"	7/8"	Vacuum Switch and 02 Socket (wide slot)		
1/2"	27mm	Thermal Sensor Switch		
3/8"	7/8"	Vacuum Switch and 02 Socket (narrow slot)		
3/8"	1-1/16"	Oil Pressure Sending Unit Socket		
1/2"	7/8"	Offset 02 Sensor Socket		
3/8"	7/8"	Offset 02 Sensor Socket (low profile)		
3/8"	1-1/16" and 1"	Oil Presure Socket (short access)		



SC1531A **OXYGEN SENSOR SOCKET**

- · Remove and install oxygen sensors on computerized engine control vehicles
- Can be used in conjunction with a torque wrench
- Size: 7/8" x 3-7/8"



SC1531

OXYGEN SENSOR SOCKET · Remove and install oxygen sensors on

- computerized engine control vehicles Can be used in conjunction
- with a torque wrench
- Size: 7/8" x 3-1/4"

TOOLS AND NOTES	ENGINE Size	CONFIGURATION	REPRESENTATIVE CAR MODEL
SC1531 OR SC1531A	1.9L	1-4	Escort® GT
SC1531 (NHS)	2.3L HSC	1-4, EFI	Tempo® / Topaz®
SC1531 OR SC1531A (LOTS OF ROOM, SMALL SENSOR)	2.3L OHC	1-4, FBC	Mustang® / Capri®
SC1531A (HS)	2.9L	V-6, EFI	Ranger®
SC1531A OR WRENCH (HS)	2.9L	V-6	Bronco II®
SC1531A OR WRENCH (LOTS OF ROOM, HS)	3.0L	E-6, EFI	Aerostar®
SC1531A (CLOSE TO WALL, DIFFICULT TO FIT)	3.8L	E-6, EFI	Cougar® / T-Bird® LTD/ Marquis®
SC1531A (MOVE 1/4" TUBE TO FIT)	4.9L	16	F150®
SC1531A (HS)	5.0L	V-8, EFI	Marquis Grand F150®

^{*} Does not list all possible models. EFI-electronic fuel injection, FBC-feedback carburetor, NHS—non-heated O2 sensor, HS—heated O2 sensor.

COMPRESSION TESTERS



CT155A

DELUXE COMPRESSION TEST KIT

- · Complete with standard and specialty adapters
- This deluxe kit offers a complete package for compression testing on gasoline engines
- Kit includes the deep well connector used on recessed plug well style heads and the Ford® Triton™ engine adapter using 16mm thread plugs

INCLUDES:

- [1] 14mm Deep Well Extension
- (1) 12mm Adapter
- (1) 18mm Adapter
- (1) 16mm Compression Tester Adapter



VG3000

VACUUM FUEL PRESSURE SET

- Ideal for testing vacuum lines and components
- · Accurately tests low-pressure fuel systems
- Quickly diagnose internal engine problems such as bad rings, valves, and leaking head gaskets
- Kit comes complète with adapter for most applications
- Pinpoint hard to find problems such as cracked lines, PCV, fuel pump, fuel filters, and more
- Professional 3-1/2"quality gauge with zero adjust feature reads both vacuum and pressure
- Dual scale gauge reads 0-30" Hg vac and 0-70 cm Hg, also reads 0-15 PSI and 0-100 kPa



CT70

7-PC. COMPRESSION TESTER SET

- Designed for complete compression testing on gasoline engines including domestic, import, motorcycle, marine, and small engines
- Corrosion-resistant nickel-plated finish adapters work on both flat and tapered seat plugs
- Professional 2-1/2" quality gauge with zero adjust feature extra long 25" flex hose gauge assembly with quick coupler, allows easy viewing out of cluttered engine compartment
- Dual scale gauge reads 0-300 PSI and 0-2,100 kg/cm2

INCLUDES:

- [1] 12" Flex-14mm Standard Reach Hose
- [1] 12" Flex-14mm Long Reach Hose
- (3) 10, 12 and 18mm Thread Adapters
- (1) Repair Parts Kit
- (1) Blow-Molded Case with Removable Lid



CLD210MA

DIFFERENTIAL CYLINDER PRESSURE TESTER

- Quickly locates internal engine problems such as bad rings, valves, and leaking head gaskets
- · Comes with adapters for most applications

INCLUDES:

- (1) 10mm Adapters
- (1) 12mm Adapters
- (1) 18mm Adapters
- (1) Blow-Molded Case





TPT460M

TRANSMISSION/OIL PRESSURE TEST KIT

- This professional kit can be used for domestic and import applications
- High and low pressure gauges make this kit useful for both transmission and engine work
- Comes complete with adapters for most applications and is designed to be used for either static or road testing

INCLUDES:

- (1) M8 x 1.0 to 1/8" NPT
- (1) M10 x 1.0 to 1/8" NPT
- [1] M12 x 1.75 to 1/8" NPT,
- (1) 1/8" NPT x 2" Male
- (1) 1/4" NPT Male x 1/8" NPT Male
- (1) 1/8" NPT Female
- [1] 1/4" NPT Male/Female,
- (1) 3/8" NPT Male x 1/8" Female
- (1) 1/8" NPT Male x 1/8" Female
- (1) 1/16"-27 NPT Male x 1/8"-27



TPT6750

TRANSMISSION/OIL PRESSURE TEST KIT

- Three gauge heads: 0-60psi, 0-300psi, and 0-800psi
- Gages read in both SAE and metric and come complete with rubber gauge protectors
- Fifteen adapters cover virtually all applications, from standard pipe fittings to metric
- Includes a spare kit of extensions and elbows in case you need to plumb around an extension
- All gages and fittings are fully quick-disconnect

INCLUDES:

- (1) 1/8" x 27 NPT Male
- (1) 8mm x 1.25 Male
- (1) 1/8" x 28 British Pipe Thread Male
- (1) 8mm x 1/2" Male
- (1) 18mm x 1.5 Male
- (1) 10mm x 1.0 Male
- (1) 16mm x 1.5 Male
- (1) 14mm x 1.5 Male
- (1) 3/8" x 18 NPT Male
- (1) 1/4" x 18 NPT Male
- (1) 1/16" x 18 NPT Male
- (1) 12mm x 1.5 Male
- (1) 1/2" x 20 Male
- (1) 3/8" x 20 Male
- (1) 8mm x 1.0 Male



FD60L

FORD 6.0L DIESEL ENGINE TOOL

- · Properly test vehicle systems for leaks and blockage
- Safely remove and re-install harnesses without damage
- Diagnose pressure problems often associated with no starts
- Remove and replace common components like Injection Pressure Regulators (IPR), oil lines, glow plug harnesses, and injector harnesses

INCLUDES:

- [1] 6594 Oil Line Disconnect Tool
- (1) 6760 Fuel Filter Wrench
- [1] 6763 HP Diesel Fuel Rail Adapter
- (1) 6764 IPR Controller
- [1] 6765 Inject Pressure Regulator Sock
- [1] **6766** 6.OL Injector Terminal Release Tool
- (1) 6768 Glow Plug Harness Release Tool

CTD140 14MM COMPRESSION TESTING DEEP WELL EXTENSION

- Solid steel 8" length shaft
- Upper T-wing grip for ease of installation and removal
- Popular 14mm thread for both flat and tapered seat plugs
- Corrosion-resistant nickel-plated finish

CT145F FORD® TRITON 16MM COMPRESSION TESTER ADAPTER

- Use with Mac Tools® and OTC compression testers (or other compression testers with a 14mm thread) to access hard to reach spark plug holes
- Works on 2004-2007 Ford® 4.6 and 5.4L, 3-valve Triton™ V-8 engines
- Easy-to-turn feature makes starting thread fast

COMPRESSION TESTERS



VP5000K AUTOMOTIVE PRESSURE TEST KIT

- Can be used as a complete one-person brake bleeding kit with 12-oz. bottle and rigid quick connect to pump
- Dual hand pump can produce and measure vacuum or pressure with equal performance and precision
- Switches between vacuum/pressure at the turn of a switch ergonomically designed handle for ease of operation
- Single-hand vacuum/pressure release action allows multiple tests without disconnection
- Accessories to perform multiple vacuum and pressure tests on vehicle

CT900D

DIESEL COMPRESSION TESTER SET

CT700D (NOT SHOWN)

COMPRESSION TESTER WITHOUT ADAPTERS

- Includes 0 to 1,000 PSI (0-70 bars) compression gauge and adapters for GM®, VW®, small Cummins®, Mercedes Benz®, plus adapter to fit Bacharach fittings
- Release valve allows for venting resets for repeat tests
- Swivel end connector attaches to adapters
- · Records maximum pressure
- High-pressure hose, 16-1/2" long

PRODUCT #	APPLICATIONS	SIZE	SET
CT900D	Diesel Compression Tester Set in Metal Box		
CT700D	Compression Tester	_	•
SGT35000	GM® 6.2L	Fits Glow Plug Port	
CT1100D	Detroit Diesel® 53, 71, and 92 Series	Fits Fuel Injector Port	
SGT35200	Caterpillar® Models: D-336, 1674, 1676, 3406, 3408	Fits Fuel Injector Port	
SGT34730	GM® and Ford®/International 6.9L	Fits Glow Plug Port	•
CT740VW	Volkswagen®	Fits Fuel Injector Port	•
SGT34760	Small Cummins®	Fits into Nozzle/Injector Port	•
CT780MB	Mercedes Benz®	Fits Glow Plug Port	•
CT840C	Cummins®: NA (855 cu. in) V6, V8, and V12 with 5-1/2" Bore	Fits Fuel Injector Port	
CT950CI	GM® and Isuzu® 1.8L and 2.2L	Fits Glow Plug Port	
SGT34770	Heavy-Duty Equipment/Heavy-Duty Injector Port	Fits Bacharach Adapters	•
SGT35150	Cummins®/Case® "B" Series: 2.96L, 3.9L, 5.9L	M24-1.50	
SGT35250	Ford®/Navistar 7.3L Turbo Direct Injection (Power Stroke)	M10-1.00	
SGT35350	Navistar DT360, DT468, 9.0L, 312, 360, 414, 438, and 446 C.I.D.	Fits Fuel Injector Port	
SGT35500	Kubota	8mm	
SGT35550	Ford® 2.0L, DURAMAX® 6.6L, Kubota®, Mitsubishi® 2-Cyl/3-Cyl, Toyota® 2.2L	M10-1.25	
SGT35650	Ford® Power Stroke 6.0L and 6.4L	M14-1.25	



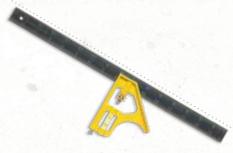


SGT34730



uramax is a registered trademark of General Motor

MEASURING TOOLS



46-131 STANLEY® PREMIUM DIE-CAST HANDLE COMBINATION SQUARE

- Durably etched, hard-chrome-plated blades are rust-resistant and made to last
- 16" Square has precision-machined working surfaces for improved accuracy
- · Built-in scriber comes in handy for surface marking
- · Easy-to-read vial
- High-visibility yellow, die-cast handle with brass hardware for durability



6" MACHINIST'S POCKET RULE

- Precision ground and tempered
- · Clear etched graduations in 8ths, 16ths, 32nds, and 64ths

PR6 **6" POCKET RULE**

- Stainless steel with spring pocket clip
- · Metric and English graduations
- English/metric equivalents chart on back



SE18A **PRECISION** STRAIGHT EDGE - 18"



STANLEY® 16' POWERLOCK® **TAPE RULE**

33-212 (NOT SHOWN)

STANLEY® 12' POWERLOCK® **METAL CASE TAPE RULE**

- Mylar® polyester film extends life of entire blade
- Chrome high-impact case is job-site tough
- · Secure blade lock won't creep during measurements
- 16" and 19.2" Stud center markings simplify framing jobs
- Corrosion-resistant Tru-Zero[™] end hook for accurate measurements
- Blade length: 16' Blade width: 3/4"



33-279

MAX® 25' TAPE RULE

- 10' Blade standout
- 1-1/8" Wide blade for easy readability
- · High-impact ABS case with durable rubber holds up to heavy use
- AirLock[™] rubber slide lock is resistant to impact and makes locking and unlocking easy
- 16" and 19.2" Stud center: markings simplify framing jobs
- Cushion arip provides comfortable, slip-resistant hold
- Three-rivet, corrosion-resistant Tru-Zero™ end hook for accurate measurements
- · Specially designed multi-catch hook grabs on top or bottom for versatility
- Blade length: 25' Blade width: 1-1/8"



8M/26' 1-1/4" **FATMAX® TAPE RULE**

- 1-1/4" Wide blade
- 11-Foot blade standout
- Mylar[®] polyester film for protection against rust and wear on the blade
- BladeArmor® coating that extends blade life 10X longer than a basic Stanley tape rule
- Tru-Zero[™] end hook for accurate inside and outside measurements



TESTING MEASURING TOOLS



DTDG2

DIGITAL DEPTH TIRE GAUGE

- Large LCD display
- Zero setting at any position
- Inch/Metric/Fraction system interchange
- Manual power on/off
- · Suitable for tread depth, brake shoe, and pad wear



DDRG6059F

DIGITAL CALIPER 0 - 2.25"

- Three keys:mm/in [metric/inch conversion]
- ABS (absolute and relative measurement conversion)
- ON-ZERO (power on/off and zero setting)
- · Hardened stainless steel construction, thumb wheel and lock screw, automatic power off and RS232 output
- Supplied with one spare battery
- Meets DIN862 specification
- Blow-molded case



DDC6027

DIAL CALIPER 0 - 6"

- · Reads both in inches and metric
- 4-Way measurements: inside. outside, step ,and depth
- Shock-proof design, adjustable zero-set with lock
- · Hardened stainless steel construction, satin chrome scale, thumb wheel, and lock
- Meets DIN862 specification
- Blow-molded case



DDC61232F

DIGITAL CALIPER 0 - 6" WITH FRACTIONS

- Three keys: OFF/ON (turn on/off display), ZERO (zero setting), mm/in [metric/inch conversion]
- Inside, outside, step, and depth measurements
- Hardened stainless steel construction
- Spare battery
- Meets DIN862 specification



DMG344

MAGNETIC BASE

- Accepts all dial indicators having 3/8" diameter shank and/or lug back with 1/4" diameter mounting hole
- Attaches to flat surfaces horizontally or vertically
- V-groove base mounting on cylindrical surface
- 132 lbs. Pull magnet and on-off switch, fine adjust arm, and solid knobs
- Blow-molded case



DCBG280

CYLINDER BORE GAUGE

- · Measures cylinder wear
- · Self-centering, jeweled indicator
- Meets JIS B7515 specification
- Blow-molded case



DMCS3 3-PC. 0 - 3" MICROMETER SET

- Black wrinkle finish frame
- Satin chrome finish on sleeve and thimble
- Lapped carbide measuring faces, spindle lock, ratchet stop, zero adjustment with supplied wrench, micrometers over 1" supplied with standard blow-molded case
- Meets DIN863 specification

INCLUDES:

0-1", 1-2", and 2-3" Micrometers



DMC100

0 - 1" MICROMETER

- Black wrinkle finish frame
- · Satin chrome finish on sleeve and thimble
- Lapped carbide measuring faces, spindle lock, ratchet stop, zero adjustment with supplied wrench, micrometers over 1" supplied with standard
- Meets DIN863 specification
- Blow-molded case

PRODUCT #	GRADUATION	MEASURING DEPTH	RANGE
DMCS3	0.0001"	_	0 - 3"
DMC100	0.0001"	-	0 - 1"
DDM300	0.001"	-	0 - 6"
DD1350	0.0001"/0.001mm	-	0-0.5"/0-12.7mm
DDRG465	0.0001"/0.001mm	-	0-0.5"/0-12.7mm
DDRG6059F	0.0005"/0.01mm	-	0-2.25"/0-57.15mm
DDC6027	.001"/0.02mm	-	0-6"/0-150mm
DDC61232F	0.0005"/0.01mm	-	0-6"/0-150mm
DCBG280	0.0001"	12"	2"-6"



DDM300

0 - 6" DEPTH MICROMETER

- Six interchangeable rods with hardened and lapped measuring face
- 4" Length hardened and lapped stainless steel base
- · Satin chrome finish on sleeve and thimble
- Spindle lock, ratchet stop, zero adjustment with supplied wrench
- · Meets DIN863 specification
- Blow-molded case



DDI350

DIGITAL DIAL INDICATOR WITH MAGNET

- RS232 output
- Spare battery
- Measures distance, checks alignment, roundness and run-out, cam shaft, and valve guide wear
- · Powerful magnetic base
- Meets DIN878 specification
- · Blow-molded case



DDRG465

DIGITAL ROTOR/BALL JOINT DIAL INDICATOR

- RS232 output
- Spare battery
- Checks ball joint wear and disc rotor run-out
- Indicator mounted on flex-arm
- Meets DIN878 specification
- · Blow-molded case

TESTING MEASURING TOOLS



FG10S

FEELER GAUGE SET

- Each blade is 4" long and is offset 45°
- Total length of each gauge with the handle is 6-3/4"

PRODUCT #	DESCRIPTION	SIZE	SET
FG10S	10-PC. Feeler Gauge Set		
FG10EZG-010	Feeler Gauge	0.01	•
FG10EZG-012	Feeler Gauge	0.012	•
FG10EZG-014	Feeler Gauge	0.014	•
FG10EZG-016	Feeler Gauge	0.016	•
FG10EZG-018	Feeler Gauge	0.018	•
FG10EZG-020	Feeler Gauge	0.02	•
FG10EZG-022	Feeler Gauge	0.022	•
FG10EZG-024	Feeler Gauge	0.024	•
FG10EZG-027	Feeler Gauge	0.027	•
FG10EZG-030	Feeler Gauge	0.03	•



FG275 **26-BLADE MASTER OFFSET GAUGE**



FG013 22-BLADE MASTER **GO-NO-GO GAUGE**



FG002 **25-BLADE UNIVERSAL MASTER GAUGE**

• Standard feeler gauges



FG015 **16-BLADE MASTER** IGNITION GALIGE



FG030 **25-BLADE METRIC** MASTED GALIGE

IGINITION GAUGE				WASTER GAUGE		
PRODUCT #	BEND	BLADE SIZE	BLADE SIZE MM	BLADE THICKNESS MM		
FG275	45°	4" x 1/2"	101.6 x 12.7	.005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .021, .022, .023, .024, .025, .026, .027, .028, .029, .030		
FG002	0°	3" x 1/2"	76.2 x 12.7	.0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .018, .020, .022, .024, .025, .028, .030, .032, .035		
FG030	0°	3" x 1/2"	76.2 x 12.7	.04, .05, .06, .07, .08, .09, .10, .15, .20, .25, .30, .35, .40, .45, .50, .55, .60, .65, .70, .75, .80, .85, .90, .95, 1.00		
FG013	0°	3" x 1/2"	76.2 x 12.7	.004006, .005007, .006008, .007009, .008010, .009011, .010012, .011013, .012014, .013015, .014016, .015017, .016018, .017019, .018020, .019021, .020022, .021023, .022024, .023025, .024026, .025027		
FG015	0°	1-3/4" x 1/4"	44.5 x 6.4	.011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, .024, .025, .028, .030, .032		
FG15	45°	6" x 1/2"	152.4 x 12.7	007-009, 008-010, 009-011, 010-012, 011-013, 012-014, 013- 015, 014-016, 015-017, 016-018, 017-019, 018-020, 019-021, 020-022, 023-025, 025-027, 026-028, 028-030		



15-BLADE VALVE LASH FEELER GAUGE

· For valve adjustment

INCLUDES:

(15) Step-ground'

(15) Go-No-Go blades

PULLERS GEAR PULLERS

RATCHETING GEAR PULLER

- Quick-release jaws for fast changes between two- and three-jaw mode
- Ratcheting design holds jaws in position while setting puller
- Jaws are reversible for pulling on the inside or outside of object needing pulled

PRODUCT #	DESCRIPTION	CAPACITY (TONS)
GP102	2-3 Jaw Puller	2
GP105	2-3 Jaw Puller	5
GP105B	2-3 Jaw Puller	5
GP107	2-3 Jaw Puller	7











PJ200SA



PJ500SA



The PUZDUS and PUZDUS Puller Sets may be assembled into the eight different configurations as shown	4 j			3 8 1 3 8 1	* 84 		i Tigan Karan Karan Karan	
		CAPACITY	REACH			SPE	READ	

PRODUCT #	DESCRIPTION	CAPACITY Tons	REACH In. / MM	SCREW SIZE	SPREAD In. / MM
PJ1302L	2-Jaw Puller - Long Jaw	13	15-1/4" / 387.4	13/16" - 16 x 12" long	15-1/2" / 393.7
PJ200SB	Eight-Way Puller Set	2	3-3/8" / 85.7	3/8" - 24 x 4-7/8"	4-3/4" / 120.7
PJ500SB	Eight-Way Puller Set	5	5-1/2" / 139.7	9/16" - 20 x 6-15/16"	7" / 177.8

GP102TJ 2-TON RATCHETING THIN-JAW GEAR PULLER

GP105TJ (NOT SHOWN)

5-TON RATCHETING THIN-JAW GEAR PULLER

- · Designed for automotive and industrial use
- Ratcheting legs for multiple configurations
- · Wider and thinner jaws can clamp damaged bearings easily
- Jaw Reach: 2-5/8"
- Jaw Spread: 3-1/4"

PULLERS BEARING AND HUB PULLERS



PP680

HEAVY-DUTY PUSH-PULLER SET

- 10-Ton capacity =bar-type puller set
- · Well-suited for automotive, heavy-duty machinery, trucks, and off-road equipment
- Sturdy storage blow-molded case



BH581B

BLIND HOLE BEARING PULLER SET

- · For pulling jobs requiring an internal pull
- Four collet sizes: 7/16" to 1/2", 9/16" to 11/16", 5/8" to 1", 1" to 1-1/4", for a wide range of applications

- [1] 2-1/2-lbs. Slide hammer with T-handle
- (1) Blow-Molded Case



PJAB

3-PC. BLIND BEARING **ADAPTER SET**

- Designed to fit a standard slide hammer (5/8"-18 thread)
- · Removes blind hole bearings, bushings and sleeves

INCLUDES:

(3) Collet Adapters: 3/8", 1/2", and 3/4"

PBP1170C PILOT BEARING PULLER

OTC29189 (NOT SHOWN)

HEAVY-DUTY JAW FOR PBP1170

- · Built specially for inside pulling jobs, and particularly for removing flywheel pilot bearings on autos, trucks, and tractors
- · Also practical for pulling motor, generator, and magnet bearings



PILOT BEARING PULLER

 Designed for close-quarter pulling of flywheel pilot bearings where slide hammer cannot be used

CAPACITY	CAPACITY CAPACITY (MM)		ITY CAPACITY (MM)		REACH [MM]	
1/2" to 1-1/2"	1/2" to 1-1/2" 12.7 to 38.1		25.4			



BP534B

MULTI-PURPOSE BEARING AND PULLEY PULLER SET

- For a wide range of pulling jobs
- Reach: 1" To 2-1/4" Spread: 3" To 5"

INCLUDES:

- (2) Forcing Screws (Live Center). (3) Pairs Of Puller Jaws
- (2) Cross-Bar Yokes
- (2) Clamp Bolts
- (1) Pair Of Jaw Pins With Ball Spring
- (3) Pairs Of Capped Bolts

PRAB7494B

REAR AXLE/WHEEL BEARING PULLER SET

- (3) Pullers Providing Coverage For Most Domestic Cars
- (1) Blow-Molded Case

PRODUCT# DESCRIPTION		MAX AXLE IN. / MM	MINIMUM Bearing Tube ID In. / MM	SET	
PRAB7494B	Rear Axle/Wheel Bearing Puller Se	t			
PRAB7494B-1	Rear Axle/Wheel Bearing Puller	1-7/8" / 47.6	1" / 25.4	•	
PRAB7494B-2	Rear Axle/Wheel Bearing Puller	2-3/8" / 60.3	1-5/16" / 33.3	•	
PRAB7494B-3	Rear Axle/Wheel Bearing Puller	2-7/8" / 73	1-3/8" / 34.9	•	





PB518B

5-TON BAR-TYPE PULLER/BEARING **SEPARATOR SET**

- Two bearing splitters (2" and 3"), four sets of hex push-puller legs and bar-type puller head
- 5" Puller cross-bar with 6-1/4" forcing screw

PULLERS BEARING AND HUB PULLERS



PMA6540B

8-PC. REAR AXLE BEARING PULLER SET

• Set contains slide hammer and most common attachments needed for servicing flange-type floating rear axle bearing and seals in many late model rear wheel drive cars and light trucks

- [1] PMA6540A-1 Slide Hammer Tee Bar Assembly
- (1) **PMA6540A-2** 5-lb. Slide Hammer
- (1) PMA6540A-3 Pulling Hook
- [1] PMA6540A-4 Rear Axle Pulling Plate
- [1] PMA6540A-5 Bearing Cup Remover

- [1] **PMA6540A-6** 1-7/8" Rear Axle Bearing Puller [1] **PMA6540A-7** 2-3/8" Rear Axle Bearing Puller [1] **PMA6540A-8** 2-7/8" Rear Axle Bearing Puller



PS959B

SLAMMER HAMMER EIGHT-WAY PULLER

• 5 lbs. Slide hammer.

INSIDE SPREAD	OUTSIDE SPREAD	SLIDE ROD SIZE		
1-1/4" to 4-1/4" (31.8mm to 108.0mm)	1" to 4-1/2" (25.4mm to 114.3mm)	5/8"-18" x 23"		



PS1190B

SLAMMER HAMMER PULL SET

- Deluxe version of the popular Slammer Hammer
- This set will make up to ten different pullers
- Includes a wider assortment of jaw sizes, a front hub puller assembly, and a forcing screw and sleeve





PP7208C **FRONT HUB PULLER**

- · Removes and installs front hubs on today's FWD cars
- · Creates up to five tons of working force, for use on most front wheel drive cars, plus a spare locknut that allows the use of a standard slide hammer puller for rear axle flanges
- With locknut for rear axle flanges



MHT6290 FRONT HUB PULLER **FOR 4WD VEHICLES**

- 1988-2014 GM® 1/2-ton, 3/4-ton, and 1-ton trucks
- 1994-2014 Dodge® 3/4-ton and 1-ton Ram trucks
- 1998-2014 Ford® 3/4-ton and 1-ton trucks. Excursion





GEAR AND PULLEY PULLER

- · Pulls timing gears, fan pulleys, harmonic balancers and other tapped-hole parts
- · Each puller includes two hex head cap screws; 3/8" - 16 NC x 3" long

PP522B

LARGE GEAR AND **PULLEY PULLER**

- · Removes parts with tapped holes such as gears and pulleys
- Any cap screws up to 1/2" diameter can be used (not included)

P	Bz	25	O	O
-				_

POWERBAR HAND IMPACT WRENCH

- Remove and replace harmonic balancer pulleys
- Up to 600 ft-lbs. of torque
- Applications include pulleys, flywheels, couplings, flanges, lawn mower base plate, ect.

PRODUCT #	PULLER BLOCK WIDTH IN. / MM SCREW		SPREAD RANGE IN. / MM
PP515C	4-7/8" / 123.8	5-1/2" (139.7mm)	1-1/2" to 4-1/4" / 38.1 to 108.0
PP522B	8-1/4" / 209.6	3/4"-16 x 11-5/8"	2" to 7-3/4" / 50.8 to 196.9



PP77754C

HEAVY-DUTY SLIDE HAMMER AXLE PULLER

· Heavy-duty 10-lbs. hammer

(1) 5/8" - 18 X 2" Hardened Bolt (1) Stud Adapter

Heavy-Duty Shaft and Threads

PP967C

SLIDE HAMMER REAR AXLE PULLER

- Fits most passenger cars and light trucks for removal of flange-type rear axles
- 5-Lbs. Slide hammer with pulling plate, services axles with bolts or studs up to 9/16" diameter
- Fits 4, 5, or 6 bolt stud circle to 5-9/16" [141.3mm]



- 5-Lbs. Hammer in polished chrome finish
- Pulls flange-type rear axles and most front-wheel drive hubs
- · Internal and external jaws provide a variety of combinations to pull bearings, gears, and seals
- Two- and three-way cross blocks and cone provide the perfect jaw configuration for most jobs
- C-Frame opening is 8.875"

INCLUDES:

- (1) Grip Wrench Adapter
- (1) Dent Puller Attachment for Sheet Metal or Other Pulling Requirements





GREAT TO WORK WITH

STP600B

DELUXE 43-PC. MASTER BOLT GRIP SET

- · Covers almost every car, pickup, SUV and small engine
- Capable of handling almost every 2- or 3-way bolt pull possible
- For use on a variety of jobs: harmonic balancers, steering wheels, crankshaft pulleys, and gears

INCLUDES

- (1) 3/4" Center x 4-1/4" Diameter Heavy-Duty 4-Way Slotted Puller Yoke
- (1) 3/4-16UNF x 5-3/8" Grade 5 Hardened Live-Center Forcing Screw
- (1) 3/4-16UNF x 2-3/4" Grade 5 Hardened Live-Center Forcing Screw
- [3] 5/16-24 UNF x 3" Grade 8 Special Stepped Bolts 1990 and Newer GM® 3300-3800 V-6 Crankshaft Pulleys
- (1) Blow-Molded Case
- (1) Detailed Application Chart
- (3) 1/4 28UNF x 3"
- (3) 5/16 24UNF x 3"
- (3) 5/16 18UNC x 3.5"
- (3) 3/8 24UNF x 1.5"
- (3) 3/8 16UNC x 2"
- (3) 3/8 16UNC x 3"
- (3) 3/8 16UNC x 4.5"
- (3) 8mm x 1.25 x 9 0mm
- (3) 8mm x 1.25 x 45mm
- (3) 8mm x 1.25 x 65mm
- (3) 10mm x 1.5 x 35mm Grade 8 Washer Head Bolts



VGADPTB

LOCKING PLIERS SLIDE HAMMER ADAPTER

- Adapts a pair of locking pliers to a slide hammer puller for a wide range of applications
- 7/16"-14 Single-lead thread fits grip wrench
- 5/8"-18 thread fits slide hammer







WW676A WINDSHIELD WIPER **ARM PULLER**

- · Removes wiper arms on many foreign and domestic cars and light trucks
- · Prevents damage to wiper arm or hood cowling during removal



PP967 LARGE SIZE REAR AXLE **PULLING PLATE**

• Fits 4-, 5-, or 6-bolt patterns and stud circles from 4-1/4" to 5-9/16"



WW676HDA TRUCK WIPER ARM PULLER

- Designed to remove aluminum arm from steel stud, which often galvanizes and locks arm and stud together
- · Investment cast design is strong, easier to use, and saves time
- Live center end allows for more precise alignment, which saves on labor



STP60B

FLANGE-TYPE PULLER

- · Pulls harmonic balancers, timing gears and other parts having two or three tapped holes
- Slotted holes allow puller to be positioned from 1/2" to 4-5/8" (puller reach is 4-1/4")

- (1) 3/4" Center x 4-1/4" Diameter Heavy-Duty 4-Way Slotted Puller Yoke
- (1) 3/4-16UNF x 5-3/8" Grade 5 Hardened Live-Center Forcing Screw
- (3) Each: 3/8-24UNF x 3" 3/8-16UNC x 3" Hex Head Cap Bolts
- (2) Forcing Screw Tips
- (2) Sets Of Commonly Used Automotive Bolts
- (1) Blow-Molded Case



WWPS1

13-PC. WINDSHIELD WIPER **ARM PULLER SET**

- · Removes wiper arms on many foreign and domestic cars and light trucks
- · Prevents damage to wiper arm or hood cowling during removal



SD1170

5-PC. WIPER ARM PULLER SET

- · Master set easily removes wiper arms on most foreign and domestic vehicles
- Universal applications
- Provides four adjustable removers and one high versatility puller
- · Fits nearly all difficult wiper arm removing work

FLUID HANDLING SYSTEM



SD1580ATA

10-PC. ATF REFILL ADAPTER SET

 Allows for refilling of transmissions not equipped with a dipstick tube where a standard funnel could be utilized

INCLUDES:

Most Common Adapters for European, Honda®, Nissan®, and Ford® Vehicles

PBT71196 MASTER RATCHET PUMP KIT

- Specifically designed for differential and transmission service
- Converts either your 3/8" drive air ratchet or cordless drill into a fluid transfer pump
- Quick-couple fittings allow easy hose changes and no-drip storage
- Blow-molded case for convenient storage





MV6842MAC

PRESSURE BLEED SYSTEM

- Forces new brake fluid down through the master cylinder while air and old fluid are expelled through the bleed screw
- Pressure gauge and pressure relief valve on the dispenser allow control of the system pressure
- The pressurized reservoir also allows the operator hands-free movement to the bleed screws
- Complete with used fluid pressure bleed reservoir

INCLUDES:

- (1) Fluid Dispenser
- [7] Master Cylinder Adapters



MV6400MAC

FLUID DISPENSING SYSTEM

- The MV6400MAC is designed for topping-off fluid reservoirs including master cylinders, gear boxes, transmissions, power steering reservoirs, etc.
- Its convenient size and 5' long hose with dispensing wand and flow control valve make it ideal for accessing hard-to-reach reservoirs and fill plugs
- For transmission refill and pressure bleeding applications, the MV6400MAC is compatible with a wide selection of ATF and pressure bleed adapters



SD1580FR

FLUID REFILLING SYSTEM

- Absolute must for new vehicles with non-user-serviceable transmissions
- Ten adapters to fit most any transmission
- Assures ATF gets into the transmission and not on the shop floor





MV7201A **FLUID EVACUATOR/ DISPENSER 8.8 LITER**

- · Creates vacuum and pressure
- Can evacuate and dispense most automotive liquids
- · Larger capacity 8.8 liter fluid reservoir
- · Automatic flow control valve prevents overfilling
- · No electric or compressed air required
- Can be used with our MV7205A brake bleeder kit



MV7300 **PNEUMATIC FLUID EVACUATOR**

- Large 8.8 liter / 2.3 gal. capacity
- · Can be used away from air source by first creating vacuum

INCLUDES:

- (1) 5' Hose
- (2) Rigid Dipstick Tubes
- (1) Universal Brake Bleeding Adapter



FE8000 **7.3 LITER FLUID EVACUATOR**

- Evacuate most automotive liquids and chemicals
- Automatic flow control prevents overfilling
- Pressure relief valve for safety
- Fully sealed cylinder
- Durable polyethylene construction
- Dipstick tubes for engine oil removal
- · Pour spout for easy dispensing of fluids
- No power required

EXHAUST TOOLS



560000 **COMBUSTION LEAK DETECTOR**

- · A fast, economical and accurate method to test for combustion gas leaks from: head gasket leaks, cylinder head leaks, and engine block leaks
- Dual-chamber for higher accuracy test
- Works on gasoline and diesel engines

INCLUDES:

- (1) Dual-Chamber Tester
- [1] Tester Fluid [16-oz./480Ml]



COMBUSTION LEAK TESTER KIT

BT700A

BLOCK TEST FLUID

BTD600

COMBUSTION LEAK FLUID FOR DIESEL ENGINES

For more info click-on MACTOOLS.COM/PROP65

- · Quickly detects the presence of combustion gases in the radiator
- Indicate combustion leaks when the fluid turns from blue to yellow

INCLUDES:

[1] Vacuum Hose [1] 16-oz. Bottle of Test Fluid (1) Block Tester



MT770A **TAILPIPE AND EXHAUST CUTOFF** PC003 **CHAIN REPLACEMENT**

- 19mm Diameter cutting wheels on every pivot
- · Cuts thick and thin walled pipe from 3/4" to 3-1/4" (19mm to 83mm) in diameter
- 1/4 Turn for complete cut

SK17350

PIPE STRETCHER KIT

- Use with an impact wrench. to quickly stretch pipes including stainless steel
- Collet sets expand pipes from 1-5/8" to 4-1/4".
- Convenient, inexpensive alternative to hydraulic pipe expanders
- Blown-molded case





EXHAUST PIPE HANGER PLIERS

744

· Separates exhaust hanger brackets from rubber supports

MT771A TAILPIPE CUTTER

MT771AW **CUTTING WHEEL** REPLACEMENT

• 2-1/2" Max capacity

Note: Always wear safety goggles when operating



PS320

PIPE END SHAPER

- Round out crushed or bent-in exhaust pipe by inserting point of cone in pipe
- · Reshape bent or flared out pipes by placing big end over pipe
- Handle can be removed if necessary to reshape pipe ends with curves or other obstructions



TPS344 EXHAUST AND TAILPIPE STRETCHER

- · Stretches all types of exhaust pipes including stainless steel
- Use with impact wrench to quickly stretch pipes for connection
- Two collet sets fit pipes from 1-5/8" to 2-7/16"
- · Can be used on the car





IPA8090B

16-PC. BRASS DIESEL INJECTOR BRUSHES

- · For most diesel applications
- · Brushes are specially engineered to fit injector seats
- · Removes rust, carbon and other debris from seats and cups without damage
- · Driver handle features a spring-loaded, quick-lock coupler
- Helix-style brushes, two-stage brushes and bore brushes 3", 4" and 6" brushes



RAMRODZ® **BARREL CLEANERS**

PRODUCT #	SIZE CALIBER	QUANTITY			
RDZ45075	.45	75			
RDZ38200	.38 / 9mm	200			



IPA8090S

16-PC. STAINLESS STEEL INJECTOR BRUSH SET

- For most diesel applications
- · Brushes are specially engineered to fit injector seats
- · Removes rust, carbon and other debris from seats and cups without damage
- Driver handle features a spring-loaded, quick-lock coupler
- Helix-style brushes, two-stage brushes and bore brushes 3", 4" and 6" brushes
- Intended for hand use only (Do NOT exceed 600 RPM)
- Clockwise rotation only SWAB-EEZ® for cleaning and polishing injector bores and cups



IPA8081

6-PC. BRASS BORE BRUSH SET

6-PC. STAINLESS STEEL BORE BRUSH SET

- Durable, abrasive, 6-PC. bore brush set features the most common sizes for cleaning tubes, ports, bearings, and other general wire brush applications
- Stainless steel twisted wire gives it extra strength to increase cleaning action
- Each brush is fitted with a 1/4" hex shaft

8, 10, 12, 15, 17, and 19mm



IPA8088

8-PC. BRASS MICRO BORE

IPA8087 (NOT SHOWN)

bores, tubes, ports and more

hard-to-reach areas

AND VALVE-GUIDE BRUSH SET

8-PC. STAINLESS STEEL MICRO

· Precisely designed for cleaning valve guides,

• 9" Length with flexible shaft for accessing

• Extra-large finger loop for enhanced control

BORE AND VALVE-GUIDE BRUSH SET

· Durable, twisted wire for increased cleaning function

EQUIPMENT REPAIR AND MAINTAINENCE



- · Easy-to-use tool allows for accurate belt tension to be set after belt replacement, adjustment, or wheel service
- Use on secondary drive belts with a 10 lbs. specification



99231 **MOTORCYCLE TANK COVER**

- The 24" x 36" tank cover provides a protective covering for the fuel tank while working in surrounding areas such as the handlebars
- Because it is constructed of anti-slip material it can also be used on other finished surfaces like saddlebags and front fenders for protection



MDB4747 22-PC. SPOKE TORQUE **WRENCH SET**

- · Install and removal in one tool
- This set includes 11 torque heads and 11 fixed heads for use with the sealed body wrench, all complete in a blow-molded case
- · Head sizes included for both ends; 5.0, 5.6, 5.8, 6.0, 6.2, 6.3, 6.5, 6.7, 6.8, 7.1mm, and Spline



MDB4790 WHEEL BEARING **REMOVAL/INSTALL KIT**

- · This tool assembly will remove and install 3/4", 1", and 25mm I.D. sealed wheel bearings
- Use in conjunction with Mac Tools® wrenches



MC4743 **MOTORCYCLE BRAKE PAD SPREADER**

- · Fits all front and some rear disc brakes
- Also works on all automotive applications in this range: 1/4" (5mm) to 2-1/4" (58mm)



MDB4779

FRONT FORK VICE

- Holds up to 4" diameter round or oddly shaped components such as forks, shocks, pistons, rods, etc.
- The V-shaped jaws are covered with thick rubber pads to ensure a firm grip without leaving a mark



MDB4769

3-PC. RIM PROTECTORS

· Fits over the wheel rim to protect the wheel from being scratched or damaged while using tire spoons

MDB4770 TIRE SPOON

• 13" Curved spoon with comfort grip handle and rounded head



that prevents puncturing the tube



SPRING HOOK

- 6" Reach for easy removal and installation of headlight adjusting springs, exhaust, and brake springs
- Made from heat-treated steel



MDB4744

CHAIN BREAKER AND RIVET KIT

- · Breaks, presses, and rivets most #25 - #35 and #428 - #630 standard and O-ring roller chains
- · Includes HSS rivet tip for riveting hollow nose master links



MC4745 **CHAIN MASTER LINK CLIP TOOL**

- · Designed specifically for roller style chains with specialized tips to easily remove and install master link clips
- · Features comfort grip handles



MC4746

CHAIN MASTER LINK PLATE TOOL

- · Removes press-fit master link plates found on many standard and O-ring style roller chains
- Breaks 40-60 series chains to add a master link or remove links



MDB4507

10-PC. BEARING DRIVER SET

- · Tapered side of driver is used to install races
- · Invert the driver to the flat side to install seals
- Includes a driver handle plus popular bearing and seal drivers ranging from 1.565" to 3.180"



MDB4742

10-PC. FLYWHEEL PULLER KIT

- Developed for many small engines in the ATV, and motorcycle service markets
- Works on many manufacturers, including Honda®, Suzuki[®], Kawasaki[®], Yamaha[®], Ducati[®] and others



EQUIPMENT REPAIR AND MAINTAINENCE



MAC5530

INTAKE MANIFOLD WRENCH

- · Used to install and remove intake manifold socket head cap screws including Big Twin™ engine models
- Reversing ratcheting box wrench with a plastic handle and a 1/4" ball-end Allen® bit for flexibility in tight areas
- Overall length: 8-3/4"



- Installs and removes all Harley-Davidson® Evolution® motor rocker box covers
- 9-3/4" Long chrome-plated single end reversible ratcheting wrench
- Low-profile for tight clearance areas
- · Comfortable rubber grip will not scratch chrome on rocker box cover
- Overall length: 9-3/4"



17MM ENGINE OIL DRAIN PLUG WRENCH

- For use on 17mm engine and rear differential drain plugs
- · Ratcheting action speeds installation and removal of drain plug
- · Short wrench length, low-profile head, and extended wheel allows for access to oil drain plug in confined area
- Deep well 17mm wheel in an offset, reversible, ratcheting wrench with an E-Z Grip handle
- Overall length: 7-5/8"



- · Ideal for holding steel shafts without scratching or damaging shocks, crankshafts, or any threaded bolts and shafts
- · Aluminum jaws have indentations for 5/16, 3/8, and 9/16 (7mm, 10mm, and 15mm) diameter shafts

MDB4780

PERSONAL TOOL PACK

· Ideal take-along tool for long rides

INCLUDES:

- (1) 2" Extension
- (1) 1/4" Drive Ratchet
- [1] 16 Drive Bits, and Universal Spline Sockets Fit Both SAE
- [1] 3/16" 9/16" and Metric 5mm 14mm Nuts and Bolts in a Variety of Styles; 6-PT., 12-PT., Torx®, Square, Spline, etc.



MDB4791

3/4" - 2" ADJUSTABLE SPANNER WRENCH

2" - 4-3/4" ADJUSTABLE SPANNER WRENCH

· Chrome-vanadium hardened steel wrench features a slim strong hook to access slotted retaining rings in hard to reach areas



SAFETY WIRE DRILL GUIDE

- The SAE fixture bar is threaded for 1/4"-20, 5/16"-18, 5/16"-24, 3/8"-18, 3/8"-24, 7/16"-14 bolts, and the metric fixture bar services M6x1.0mm, M8x1.0, M8x1.25mm, M10x1.25mm, M10x1.5mm, and M12x1.5mm sizes
- Fits nuts and bolt heads that measure up to 1 1/4"









GREAT TO WORK WITHTM

1 BATTERY AI RADIATION



750



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BATTERY CHARGERS WHEELED CHARGERS



12V 60-/70-AMP INTELLAMATIC® **CHARGER WITH POWER SUPPLY**

- Electrical Stability System (ESS™) technology cro 70-Amp power supply for extended service procedures for re-flashes
- Memory saver mode at 15-Amp continuous and 20-Amp peak
- Safely charge sealed lead acid, AGM, EFB enhanced flooded batteries, Li-lon, and gel cell batteries
- Diagnostics routine indicates weak or defective batteries
- AC/DC Circuit overload protection
- Powder coated enclosure with galvanized base
- Safe for conventional and maintenance free
- Deep, safe for AGM/gel cell batteries
- Automatic or timer operation
- Multi-button/multi-diode rectifier
- Ammeter with impact-resistant cover
- Polarity protection system
- Vacuum impregnated transformer

12V 60-/70-AMP INTELLAMATIC® **CHARGER WITH POWER SUPPLY**

- Easy to read large display with the three languages to help avoid language barriers
- · Safely charge sealed lead acid, AGM, EFB enhanced flooded batteries, Li-lon, and gel cell batteries
- Guards against reverse hookup that can often damage batteries, ECM's or the charger
- Batteries must be charged by battery type and battery manufactures and vehicle manufactures specify very specific changing voltage
- Different battery sizes require different charging amperages to prevent heat build up
- Clean power supply up to 70A for vehicle re-flashing or drivability diagnostics
- Jump start car, lite trucks, farm, or marine vehicles
- Memory savers can prevent the lost of presets when removing battery cables from vehicles battery

PRODUCT	SMART CHARGER	CHARGING AMPS	BOOST AMPS	CHARGING VOLTAGES	AGM Batteries	GEL CELL Batteries	CLEAN POWER SUPPLY MODE	MEMORY SAVER FEATURE	SAFE IN ANY WETHER OPERATION
BCH4050		45/10 Amp	220 Amps	6/12V Volts					•
BCH6006		70/65/30 Amp	280 Amps	6/12/24 Volts	•				•
BCH6007B	•	40A Amp	130 Amps	12 Volts	•	•	45 Amps		•
BCH6008MSK	•	60 Amp	270 Amps	12 Volts	•	•	70 Amps	•	•
BCH6008IBC	•	60 Amp	270 Amps	12 Volts	•	•	70 Amps	•	•
BCH6011	•	70/35 Amp	200 Amps	12/24 Volts	•	•	70 Amps		•
BCH7109C		60/70A Amp	250 Amps	6/12 Volts	•				•
BCH9001A	•	20 Amp		12 Volts	•	•	20 Amps		
MT6324	•	3.5V		6/12 Volts	•	•			
MT6340B	•	20/10/2		6/12 Volts	•	•			
BCH4060		45/10	220 Amps	6/12 Volts	•				•





BCH6007B

40-/130-AMP WHEELED INTELLAMATIC® PRO BATTERY CHARGER

- Electrical Stability System (ESS™) technology turns BCH6007B into a stable power supply for extended service procedures or re-flashes
- Nominal 13.7V DC 45-Amp output
- Program diagnostics indicate weak or defective battery
- Charges all types of 12V batteries
- Designed for AGM, gel cell, sealed and standard flooded batteries including spiral cell, Orbital[™], or Optima[®] batteries
- · Safe in any weather operation



BCH6127

12V 1,100 CRANKING AMPS WHEELED BOOSTER UNIT (GROUP 24 BATTERY)

BCH6127XL

12V 1,100 CRANKING AMPS WHEELED BOOSTER UNIT (GROUP 31 BATTERY)

- Will accommodate a user supplied Group 31 battery
- On-board starter battery gives more cranking power than any fast charger – up to 1100-Amp
- · Assists where there is no electrical power
- Recharges battery up to 20 times faster than hand-carried units
- Solid state circuitry monitors battery condition and maintains maximum state of charge
- Fully automatic 10-Amp charger recharges starter battery or any on-board 12V battery
- 12V DC power outlet
- Will accommodate a user supplied Group 24 battery
 - 500-Amp insulated clamps with "Flexi-Spring" cable guards
 - Polarity light warns operators before making a reverse connection
 - On-Off switch to prevent personal injury
 - · Plugs into any AC outlet for rapid automatic recharging
- Designed for safe handling in any weather
- Includes convenient clamp bar for easy and safe storage of clamps when not in use



BATTERY CHARGERS WHEELED CHARGERS



BCH6007B

40-/130-AMP WHEELED INTELLAMATIC® PRO BATTERY CHARGER

- Electrical Stability System (ESS™) technology turns BCH6007B into a stable power supply for extended service procedures or re-flashes
- Nominal 13.7V DC 45-Amp output
- Program diagnostics indicate weak or defective battery
- Charges all types of 12V batteries
- Designed for AGM, gel cell, sealed and standard flooded batteries including spiral cell, Orbital[™], or Optima[®] batteries
- · Safe in any weather operation



70-/35-/200-AMP BOOST WHEELED **INTELLAMATIC® SMART CHARGER**

- Electrical Stability System (ESS[™]) technology turns
 ESS6011 into a stable power supply for extended service procedures or re-flashes
- Nominal 13.9V DC Output
- Program for deep discharge recovery of flooded batteries
- Diagnoses weak or defective battery
- Charges all types of 12/24V batteries
- Designed for AGM, gel cell, sealed and standard flooded batteries including spiral cell, Orbital[™] or Optima[®] Batteries
- Dead battery override control
- · Safe in any weather operation





6/12V 45/10-AMP WHEELED **CHARGER WITH TIMER**

- 45-Amp Continuous rating at 12V
- 220-Amp Cranking assist with full 330-Amp manufacturer's boost rating with 120-minute timer
- · Safe for sealed lead Acid, Deep Cycle or Maintenance Free Batteries







BCH6006B

6/12/24 VOLT 70/65/30 AMP FLEET **WHEEL CHARGER WITH 280 A BOOST**

- · Offers the highest output cranking assist for this class of charger
- · Rejuvenates all standard and maintenance-free 6V, 12V, and 24V batteries with five selectable charging positions
- · Ammeter with impact-resistant cover
- 120-Minute timer with hold position
- 3-Position selector switch
- 1-Year parts/labor warranty
- 3-Year rectifier warranty
- 5-Year transformer warranty
- · Safe for both Sealed lead Acid and AGM batteries



BCH7109C

6/12 VOLT 70/60 AMP HD **AUTOMOTIVE / FLEET WHEEL CHARGER** WITH 250 AMP BOOST

- Safe for Sealed Lead Acid and AGM Batteries
- Multiple charging rates including an AGM Safe Position
- Analog Amp Meter with impact resistant cover
- 120 Min timer with hold
- · Safe in any weather operation
- 2-year PARTS/LABOR warranty
- 5-year limited warranty covering the rectifier and transformer

SANTER AND JUMPERS



MT5150

12/24V 1700-AMP HEAVY-DUTY BATTERY JUMP STARTER

- 3400 Peak amps in 12V mode; 1,700 peak amps in 24V mode
- Built-in battery charger with automatic overcharge protection (110V cable included)
- 46" #2 AWG heavy-duty cables with fully insulated clamps
- · Volt gauge indicator shows detailed battery state
- 22 Ah Proformer technology battery specifically designed for jump-starting applications
- 12V DC power socket to power accessories
- Automatic circuit protection



MT5140RD / MT51400R / MT5140GR 1,700 PEAK AMP JUMP STARTER

- · Ideal for use in a variety of environments
- Built-in battery charger (accepts standard 110V extension cords)
- 46" #4 AWG heavy-duty cables with automatic overcharge protection.
- · Volt gauge indicator shows detailed battery state
- 22-Amp-hour Proformer technology battery specifically designed for jump-starting applications
- 12V DC power socket to power accessories
- · Automatic circuit protection
- Built-in 12V power socket



MT6340B / MT6340-GR / MT6340-OR 6/12V 20-AMP BATTERY CHARGER

- 6/12V 20-/10-/2-Amp
- Intelligent battery charger/maintainer
- Charges flooded, AGM, gel cell, spiral wound, marine, and deep cycle batteries
- Intelligent, beneficial, safe, and versatile: one charger does it all, from fast charging and battery repair to battery maintenance and long-term storage charging
- · Available in red, green and orange



MT6324 / MT6324-OR / MT6324-GR 6/12V 3.5-AMP PRO-LOGIX BATTERY MAINTAINER

- Operation is fully automatic, freeing the operator for other tasks and delivering the same consistent, beneficial charge every time
- Compatible with multiple battery types, including conventional, AGM, gel cell, spiral wound, and deep cycle
- Smart Clamp Technology Outputting current only when a proper battery connection has been made
- Multiple output options
- · Available in red, green and orange

INCLUDES:

- (1) Clamp Set
- [1] Ring Terminal Set [12V Plug Set Available]





MT9001

HEAVY-DUTY IMPACT RESISTANT BATTERY JUMP STARTER

- Heavy-duty impact-resistant case with rubber base
- 7' Replaceable field-serviceable cables
- Excellent for job sites, professionals, heavy-duty field use
- Heavy-duty 22Ah sealed AGM battery
- Instantly jump-starts without another vehicle
- Plastisol-coated 400-Amp steel clamps
- Digital LED display with state of charge readingsBuilt-in digital voltmeter performs light diagnostics
- 12V 600mA internal charger
- 12V and USB power ports
- DC leads: 84
- Clamp rating: 400A
- Cold cranking amps: 360
- Peak amps: 1700
- Cable gauge: 4



PI1500X

150W POWER INVERTER

- Delivers 150W of clean, reliable power
- 110V AC outlet to power portable devices
- USB port to charge small electronic devices
- DC plug power connection



MT5120

900 PEAK AMP ULTRA-PORTABLE JUMP STARTER

- Overcharge protection prevents damage to internal battery when charging
- Built in flashlight that can be removed to expose a 12V power socket receptacle (Flashlight doesn't work when removed)
- Battery status indicator







12V DIGITAL BATTERY AND SYSTEM TESTER

- · Tests auto and truck batteries from 400 CCA to 1000 CCA's
- Tests all 12V lead acid batteries. including flooded, AGM, gel and EFB
- Tests 12V starting and charging systems
- Volt Meter mode tests up to 19.9V
- 24" Heavy-duty cable



12/24/24V DIGITAL BATTERY AND SYSTEM TESTER

- Tests batteries from 400 to 1400 CCA
- Tests all 12V lead acid batteries, including flooded, AGM, gel and EFB
- Volt Meter mode tests up to 40V
- Tests 12/24/36V starting and charging systems
- 48" Heavy-duty cable



BT8300

DIGITAL BATTERY TESTER PLUS

- · Lightning-fast, one second initial results
- Tests 12V batteries (125-1,400 CCA)
- Temperature and low range compensation
- · Detects and identifies loose leads
- Detects bad cells
- · Surface charge warning
- Analyze starting/charging systems
- Measures multiple international units: CCA, IEC, DIN, BCI, and EN
- 4-Digit LED display shows good/bad status, available CCAs, and voltage





GREAT/TO WORK WITH



121012 DIGITAL BATTERY TESTER

121015

DIGITAL BATTERY TESTER WITH PRINTER

- Lightweight hand held digital battery tester with USB port
- Stores last test series with or without power

BATTERY TEST DISPLAYS:

- Good/Replace/Recharge retest
- Measured voltage of the battery
- CCA Battery, Internal resistance
- Estimated remaining life

STARTER TEST DISPLAYS:

- · Lowest voltage of battery during start
- Voltage drop Normal/High

ALTERNATOR TEST DISPLAYS:

- Good/Low/High
- Average/Max/Min during test for loaded and no load test



BT6001

DIGITAL BATTERY LOAD TESTER

- Digital 125 Amp load tester that computes CCA
- The heavy load enables the BT6001 to detect bad batteries that are sometimes missed by the electronic testers
- Kelvin connected digital meter displays the following values: Current Battery Voltage; Maximum voltage reading; Minimum voltage reading; CCA of the battery under test
- · Lightweight and easy to use
- · Recessed meter and insulated clamps



MT3809A / MT3809A-OR / MT3809A-GR 40-1200 CCA ELECTRONIC

BATTERY AND SYSTEM TESTER

- Features an operating range of 7-15V and the capacity to test batteries rated between 40-1200 CCA
- It adds the convenience of starting and charging system testing and offers quick assessment, providing both a numerical result and a pass/fail result
- Reverse polarity and overvage protection
- · Small, portable, pocket-sized
- Tests multiple battery types
- Wide operating range

ELECTRICAL SYSTEM





BATTERY ELECTRICAL SYSTEM TESTER

- 500-Amp, carbon pile variable load capability testing for up to 1.000 CCA batteries
- Coated circuit board
- Circuits protected against reverse voltage
- Defect diode indicator
- Digital LED ammeter 0-999 Amps
- Digital LED voltmeter OV-32V DC
- 1-Year limited warranty
- 1,000 AMP inductive clamp
- Lead set



6044-C

BATTERY, STARTER, CHARGING SYSTEM LOAD TESTER

- 12/24V Testing makes this tester ideal for Automotive, Fleet, Ag/Off-Road equipment, and Marine Testing
- Load Testing is still the most accurate means of testing batteries, especially if there remotely mounted. Test Batteries from 140 CCA to 1,000 CCA rated
- · Easy to Read and Display
- Inductive Amp Clamp can test Starter Draw, Parasitic battery / electrical Draws as well as Alternator output.
- Use the same test equipment the vehicle manufactures recommend to their dealers for their dealerships
- Mobile Cart is Ideal for moving the tester from bay to bay, Also A storage for battery tools or optional printer, Large bottom tray can hold a wheel charger



BT6034A

500-AMP CARBON PILE BATTERY LOAD TESTER

- Tests the condition of 12V lead acid batteries, alternators, and starters
- Tests batteries up to 1,000 CCA
- · Shock-resistant dual voltage and amperage meter movement displays
- Color-coded temperature compensation pass/fail indicator bands on voltage meter



BT3180A

100-AMP BATTERY LOAD TESTER

- · Heavy-duty, copper-plated clamps
- 100-Amp load capacity, OV-16V range
- Load safety switch prevents arcing
- Works on both 6V and 12V batteries
- Ceramic insulators
- Determines state-of-charge, cranking and charging volts



BT3180D

DIGITAL BATTERY LOAD TESTER/ CHARGING SYSTEM ANALYZER

- Performs state of charge, battery load test, and starting system test
- Microprocessor controlled
- 12V Only
- 100-Amp Load test







MS620912

12' MEMORY SAVER CABLE

- Prevents loss of electronic memory when disconnecting vehicle batteries using a power supply
- Plugs into OBD II Connector for 1996 or later vehicles
- 12' Straight cable
- 5-Amp In-line fuse
- Power LED indicates power ON for added confidence

MS621012

MALE/MALE MEMORY SAVER CABLE

- Prevents loss of electronic memory when disconnecting vehicle batteries using a power supply
- Cigarette lighter adapter input/output
- 12' Heavy-duty straight cord
- 15-Amp continuous 20 peak memory savor connectors

BCLR6202REPLACEMENT

CLAMPS

BCL430C 4-GAUGE 30' 500-AMP

PLUG-IN BATTERY CABLES

- Polarized Lexan® plug won't break in coldest weather
- Cannot be hooked up backwards, starts more cars conveniently, faster, and safer
- Socket mounts in grill of tow truck and connects to battery
- Only one pair of clamps to connect without lifting hood
- 30' Cable reaches stalled vehicles from a distance
- 500-Amp Insulated clamps with solid copper jaws, spring relief cable connections
- Comes with side terminal adapters
- T-94 jacketing remains flexible to -40° F
- · Resists oil and abrasion
- Protective cap prevents foreign material from entering the installed connector body
- 5' Connecting cable for service battery hookup



BT7300B

125-AMP HEAVY-DUTY BATTERY LOAD TESTER

- Heavy-duty battery tester provides accurate, reliable test in just 10 seconds
- Includes uniquely designed clamps for a positive grip on top- and side-post batteries and an extra-large, easy-to-read display
- 125-Amp load capacity
- OV-16V range
- Extra-large display
- · Works on both 6V and 12V batteries



BT7400D

125-AMP DIGITAL BATTERY LOAD TESTER

- Compact, rugged design for everyday testing of 12V batteries
- Large, easy-to-read display
- Side-out clamp
- · Comfortable, easy-to-grip handle
- OV -16V range
- · Dual jaw load clamp design
- State-of-charge battery load test
- Starter and charging system test



B120BDM

OBDII MEMORY SAVER

- Developed to protect the internal memory of the car when the battery is disconnected. (radio, diagnosis code ...)
- This unit is connected via the OBDII port of the car to the booster, which acts as an external battery
- For all 12 Volt vehicles
- 16 point OBD plug. OBDS / EODS

BATTERY SERVICE TERMINAL TOOLS AND ACCESSORIES



BR6

BATTERY TERMINAL RESHAPER

- Reshapes negative and positive posts while improving electrical connections
- · One tool provides a perfect match for posts and terminal clamps



BPKIT-1

25" CABLE END CRIMPER

- · Exerts equal pressure on all contact points
- 50 different crimp settings
- No dies to replace or mis-align
- 6 gauge through approximately 5/8" cable



PRODUCT #	DESCRIPTION	SIZE	SET
BPKIT2	7-PC. Battery Tool Kit		
BTB541	4-in-1 Terminal Cleaner	-	•
BCS720	Battery Terminal Spreader/Cleaner	-	•
BP21K	Battery Terminal Lifter	-	•
BP23K	Battery Terminal	10mm	•
BP25K	Battery Pliers	-	•
BP26K	Battery Terminal Ratchet	5/16"	•
ВР27К	Battery Terminal Ratchet Extended	5/16"	•

BP26K

5/16" RATCHETING GM **TERMINAL BOX WRENCH**

- For use on GM side-terminal batteries
- Overall length: 5-1/2" (139.7mm)



EXTRA-LONG 5/16" RATCHETING SIDE-TERMINAL WRENCH

- · Vinyl grip protects against shock



BP25K

BATTERY PLIERS

- Lap joint
- Polished head
- Black-oxide finish

CAPACITY	OVERALL LENGTH
In. / MM	IN. / MM
1/4"-5/8" / 6.4-15.9	7" / 177.8

BCC796

BATTERY CABLE CUTTERS

- Precision-ground blades cleanly cut without distorting soft copper cable
- 6" (152.4mm) Handles for extra pressure
- Ground blade guide to minimize deflection
- · Jam nut on joint to maintain even pressure on ground inside surface of blades
- Capacity: Up to and including 2/0 cable
- Overall length: 9" (228.6mm)



BCS720

BATTERY CLAMP SPREADER

- Simultaneously spreads and cleans terminal after removal from the post
- · Will not distort the post clamp
- · Spring-loaded handles
- Insulated handles
- Overall length: 7-1/2" [190.5mm]





BC520

SIDE LIFT BATTERY CARRIER

- · Nonslip rubber pads tightly grip sides of batteries
- Vinyl covered handle for firm hand hold
- Will pick up batteries 4-1/2" to 7-1/2" wide, including group 65 batteries
- New super adhesive attaches protective pads
- · Weight: 1 lbs., 6 oz.



BC850A **BATTERY LIFTER/CARRIER**

- · Multiple ply rubber strap handle
- · Fits virtually all car batteries
- Works with group 65 batteries

L54150

BATTERY TERMINAL/ WIPER ARM PULLER

- · Removes battery terminals and bolted on wiper arms
- Tighten knurled cone to force jaws under the cable clamp
- Turn center screw to lift clamp off terminal
- · Also removes bolted on windshield wiper arms that fit over a tapered spline
- The puller screw pad is designed to fit the top of the spline post for easy pulling



BP21K

TERMINAL PULLER

- · Removes clamps quickly without danger of damaging battery
- · Grips tight below clamp or clamp's sides
- · Grips tighter the harder it's pulled



CC15600

BATTERY CABLE CRIMPER

- Services O AWG and up cables in vehicle
- · Heavy-duty frame with 5/8" (16mm) xex for wrench
- Durable fine-thread crimping bolt with 9/16" (14mm) head
- · Compact and portable allowing cable end services to be performed in a vehicle



HAMMER TYPE

- "V" configuration on the clamp receiving portion
- · Crimping gauges stamped on the ram portion
- · Built-in spring tension
- Mountable to a work bench
- Crimps AWG sizes: 6 4/0
- Overall length: 3-3/4" (95mm)





BT12 BATTERY HYDROMETER

- · Small tip permits easy entry into small 12V batteries
- Temperature compensating
- · Accurate to within .003 gravity points





BTB1A **BATTERY POST** AND CABLE CLEANER

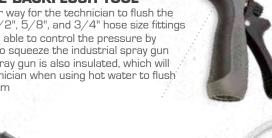
- · Protective cover fits both ends
- · Clean top terminals and top posts
- Ensures a great connection between battery cable and battery

GOOLING SYSTEM COOLING SYSTEM SERVICE

L60900

HEATER CORE BACKFLUSH TOOL

- · Provides a better way for the technician to flush the heater core - 1/2", 5/8", and 3/4" hose size fittings
- The technician is able to control the pressure by using one hand to squeeze the industrial spray gun
- The industrial spray gun is also insulated, which will protect the technician when using hot water to flush the cooling system





550500 AIRLIFT® II

- An inexpensive solution to today's complex problem of airlocks in vehicle cooling systems
- Refills entire cooling system in seconds, including the heater core
- Eliminate time consuming bleeding and purging
- Check for leaks while under vacuum
- Push button valve eliminates the need to change hoses
- · Works on all cooling systems with "Fits-All" cone adapter



- Connect garden hose and compressed air to "power flush" cooling systems
- Stepped fitting suits hose diameters from 3/4" to 2"
- "Spiral Air Venturi" design creates powerful high volume water flow
- Water flow control tap
- Air control trigger
- · Light weight, high strength composite materials with very high corrosion resistance
- Quick-couple water hose fittings included



QUICKFILL COOLING SYSTEM REFILLING GUN

- Utilizes deep vacuum technology to eliminate airlocks during system refilling
- Eliminates the need for system bleeding
- Small and large rubber cones to suit both passenger and commercial vehicles
- Helps to eliminate coolant spills and waste
- Integrated vacuum gauge automatically tests cooling system for leaks
- Integrated filling tap and vacuum check valve removes the need for interchanging hoses
- Quick release air supply locking trigger



CSR202

POSITIVE-FIT COOLING SYSTEM REFILLER

- Improved vacuum generator which achieves a higher vacuum and a higher flow rate versus previous model (1.8 CFM vs 2.6 CFM)
- · Fluid pumping speed increased by using larger diameter passageways
- Lower connect gauge readable from a distance
- Attaches to the cooling system using positive fit cooling system adapters (Not Included)



CSR400

POSITIVE-FIT TRUCK COOLING SYSTEM REFILLER

- Larger vacuum generator (6.5 CFM) sized for bigger cooling systems
- Long refill hose to accommodate the height of large trucks
- · Large diameter refill hose and internal passageways reduce fluid fill time
- Designed to refill the large cooling systems of trucks faster and more completely than competitive units



UNIVERSAL-FIT COOLING SYSTEM REFILLER

- Improved vacuum generator which achieves a higher vacuum and a higher flow rate versus previous model (1.8 CFM vs 2.6 CFM)
- Fluid pumping speed increased by using arger diameter passageways
- Large easy to read lower connect gauge
- · Attaches to the cooling system using the included universal cones

GREAT TO WORK WITH



MAC550000

AIRLIFT®

- Eliminate airlocks in vehicle cooling systems and refills in seconds
- · OEM approved worldwide
- Refills the entire cooling system including the heater core
- Eliminate time consuming bleeding and purging
- · Check for leaks while under vacuum
- Protective gauge cover
- Works on: cars, trucks, and off-road vehicles



COOLANT RETAINER AND PRESSURE TESTER

- Uses shop air to create a vacuum barrier that prevents the coolant from draining out
- Attaches to the cooling system with commonly available adapters
- This tool can also pressure test the system once the repair has been made
- Blow-off spring prevents over-pressurization
- Efficient vacuum generator consumes less air and makes less noise than competitive tools plus makes a better vacuum, resulting in less spillage



CAR AND LIGHT TRUCK COOLING SYSTEM PRESSURE TESTER

- Classic pressure pump generates pressure in automotive and light truck cooling systems
- · Uses positive fit adapters

INCLUDES:

- [1] Complete Pressure Pump (Gauge, Valve with Regulator Assembly, Cap Assembly with Hose)
- (3) Most Commonly Used Adapters
- (1) Instructions and Adapter Guide Booklet



COOLING SYSTEM PRESSURE TESTER

- Test all systems from 4 PSI to 30 PSI caps and 3 lbs to 30 lbs
- Large special coated barrel quick pump
- Easy-to-read professional 2-1/2" gauge
- Compatible with all testing adapters offered by Mac Tools[®]



SHOP AIR COOLING SYSTEM PRESSURE TESTER

- Uses shop air to generate pressure ideal for large truck cooling systems or other large capacity radiators
- Fine control to accurately monitor pressure entering the system

INCLUDES:

- [1] Complete Pressure Pump (Gauge, Valve with Regulator Assembly, Cap Assembly with Hose)
- (3) Commonly Used Adapters
- (1) Instructions and Adapter Guide Booklet



UNIVERSAL COOLING SYSTEM PRESSURE TESTER

- Universal radiator adapter that fits every vehicle, eliminating the need for multiple adapters forever
- Elastomeric adapters are engineered with varying durometer ratings, ensuring maximum versatility and performance
- Expands to fit every vehicle and works with any pressure pump

GOOLING SYSTEM ADAPTER KITS

WARNING: Always wear safety goggles when using pressure testing equipment



CSCA1700

17-PC. MASTER COOLING SYSTEM **CAP TESTER ADAPTER SET**

- · Metal body with color-coded connectors for strength and easy identification
- For modern passenger cars and light trucks
- Each adapter resembles the caps from the system they test making identification easy

PRODUCT #	SIZE MM	SET	PRODUCT #	SIZE MM	SET	
CSCA1700	17-PC. Master cooling sy	17-PC. Master cooling system cap tester adapter set				
RCA1C023	48 x 3mm	•	RCA1C045	62 x 4mm	•	
RCA1C026	45 x 3mm	•	RCA1C047	52 x 3mm	•	
RCA1C029	32 x 16mm	•	RCA1C049	34 x 3mm	•	
RCA1C030	56.5 x 3mm	•	RCA1C053	50 x 2.5mm	•	
RCA1C035	52 x 2.5mm	•	RCA1C057	40 x 2mm	•	
RCA1C039	32 x 9.5mm	•	RCA1C346	52 x 4mm	•	
RCA1C040	63 x 3mm	•	RCA1C446	52 x 3mm	•	



CSA1700

COMPLETE COOLING SYSTEM PRESSURE **TESTER WITH PUMP**

- · For modern passenger cars and light trucks
- · Able to test 19 different filler necks
- The adapters resemble the caps from the system they test making identification easy and sure
- Includes: Adapter guide booklet and laminated adapter application sheet

CSA1700A: (NOT SHOWN)

CSA1700 KIT WITHOUT PUMP



LARGE TRUCK COOLING SYSTEM ADAPTER SET

• The CSA600 is an adapter set that is compatible with most cooling system pressure testers INCLUDES:

[1] Cooling System Adapter Application Guide

PRODUCT #	DESCRIPTION	SIZE [MM]	SET
CSA600	Large Truck Cooling System Adapter Set		
RA14505	Large Truck - "B" Half Turn Twist on Filler Neck	-	•
RA10036	International, Freightliner, and others	52 x 2.5	•
RA10027	Volvo	63 x 3	•
RA10022	Volvo	48 x 3	•
RA10054	Freightliner	60 x 3	•
RA10032	Late Model Kenworth and Peterbuilt	52 x 2.5	•











RA10041





RA10044

RA10046



RA10052





RA10022 RA10056

GENERAL APPLICATION: CARS AND LIGHT TRUCKS					
METAL COOLING SYSTEM ADAPTER			GENERAL APPLICATION		
-	RA10025	_	BMW®, Mini®		
_	RA10031	RCA1C030	Volkswagen®		
ASMFZ32A	RA10032	RCA1C035	Ford®, Jaguar®, Mazda®, Nissan®, Oldsmobile®, Pontiac®, Saturn®		
_	RA10034	RCA1C047	Chevrolet®, Daewoo®, Ford®, Jaguar®, Land Rover®, Pontiac®, Saab®, Saturn®		
ASMFZ35A	RA10036	RCA1C035	GM°, Ford°, Isuzu°, Hummer°, Jaguar°, Land Rover°, Mazda°, Nissan°, Saab°		
ASMFZ41	RA10041	RCA1C040	Audi°, Bentley°, Lamborghini°, Porsche°, Volkswagen°		
ASM034919	RA10044	RCA1CO45	Chrysler®, Mercedes®		
_	RA10046	RCA1CO47	Ford®, Jaguar®, Mazda®		
ASMFZ47	RA10052	RCA1CO53	Land Rover®, Mazda®, Volvo®		
-	RA10056	RCA1CO57	Chevrolet®, Saturn®, Cadillac®		
_	RA10052R	_	Ford® Escape		
_	RA10092	_	2017 Chevrolet Silverado and GMC Sierra with Duramax Diesel, LH Thread		
_	RA10245	RCA1CO47	Early BMW®		
_	RA14503	_	Closed cooling systems		

	GENERAL APPLICATION: LARGE TRUCKS					
	METAL COOLING System adapter	COMPOSITE COOLING SYSTEM ADAPTER	CAP ADAPTER (SPECIAL ORDER)	GENERAL APPLICATION		
	-	RA10022	RCA1C023	John Deere® Tractors, Mack®, Volvo®		
	-	RA10027	_	Volvo®		
ě	ASMFZ32A	RA10032	RA10032 RCA1C035 Kenworth			
	ASMFZ35A	RA10036	RCA1C035	Freightliner®, International®		
Ì	-	RA10054	_	Freightliner®		
	_	RA14505	RCA14504	"B" size filler neck 2-11/16" OD		



UCT750B

UNIVERSAL RADIATOR ADAPTER SET

- Fits most vehicle pressurized coolant overflow reservoirs
- Quickly and easily pressure test cooling systems in all vehicles
- Expands to fit every radiator and/or plastic reservoir
- Works with pressure pumps utilizing standard radiator adapters
- Varying durometer ratings maximize performance and durability
 Made of exceptional materials including solid brass, anodized
- aluminum, and engineered rubber



- of -60° to 32° F without temperature compensating tables
- Quickly read centigrade and Fahrenheit scales when testing radiator solution
- Small, compact, and break-resistant
- Antifreeze only tests ethylene glycol antifreeze including Dexcool®

TP727B

REFRACTOMETER WITH AUTOTEMP

- Test propylene glycol including Sierra®
- Test ethylene glycol including Dexcool®
- Calibration adjustment screw
- Auto-temperature adjustment
- Adjustable lens focus

SCALE RANGE:

- B: 1.100 to 1.400sg

• E: -84° to 32° F

• P: -60° to 32° F



106A **ETHYLENE GLYCOL ANTIFREEZE TESTER**

- · Tests all ethylene glycol based antifreeze including Dexcool®
- Temperature compensating with both Fahrenheit and centigrade scales
- · Durable break-resistant plastic housing

PROPYLENE GLYCOL **ANTIFREEZE TESTER**

- · Tests all propylene glycol based antifreeze including Sierra®
- The number of floating discs indicates the degree of coolant protection
- Temperature compensating with both Fahrenheit and centigrade scales
- · Durable break-resistant plastic housing



560000

COMBUSTION LEAK TESTER

- Dual-chamber design for higher accuracy to eliminate false readings
- The first chamber will filter out any alkaline particles that could result in a false indication of a combustion leak
- Test results in the second chamber will provide a true indication of a combustion leak
- Works on gasoline and diesel engines

FUNNELS AND PANS



- Built-in handle
- 4" casters for easy transport
- · Ideal for transmission fluid, coolant, or oil draining
- · Can be stored upright for space saving
- Large capacity 30L

17972 4.5 GALLON OVAL DRAIN PAN. BLACK

- · For easy transfer of liquids
- 6.25" pan height to fit tight spaces
- · High-density polyethylene material is resistant to chemicals and solvents
- Easy-to-clean

17982 4.5 GALLON **OVAL DRAIN PAN, GREEN**

- For easy transfer of liquids
- 6.25" pan height to fit tight spaces
- · High-density polyethylene material is resistant to chemicals and solvents
- Easy-to-clean



24780 18-PC. SPILL-FREE

COOLANT FUNNEL KIT

- · Clear funnel allows a quick visual check of coolant from across the shop
- Colored adapters for quick identification
- Eliminates trapped air pockets
- Enables unattended filling of the cooling system
- · Fits most domestic and import cars and light trucks



SF19802

2-PC. SUPER FUNNEL

- · Use the large end to fill the crank case and the antifreeze receptacle wothout drippingon the engine cover lor paint job
- · Use as a long super funnel with both parts screwed together



2-PC. MULTI-PURPOSE FUNNEL

- 16" Plastic, flexible funnel provides access to hard-to-reach areas without spilling
- Detachable spout screws onto many types of containers for double-duty use



L19832

FUNNEL WITH CAP AND SPOUT COVER

- Funnel has a total capacity of 1.6 qt and is made out translucent of polypropylene
- Overall length of funnel is 15-1/4" x 6-11/16" wide with a 4" hole on top of the funnel



GOOLING SYSTEM PINCH-OFF PLIERS



- High carbon, heat-treated steel construction
- Positive clamping without springs or adjustments
- · For pinching off flexible fuel, brake, and vacuum hoses
- Black-oxide finish

LARGE AUTO PINCH-OFF PLIERS

PRODUCT #	O.D. CAPACITY	OVERALL LENGTH	WEIGHT [OZ.]
HCP554	3/4"	5-1/2"	4
HCP555	1-3/4"	9-1/4"	12.5
HCP556	2-1/2"	13-3/4"	19



PISTOL-GRIP PINCH OFF PLIERS

- · Angled design allows for access to areas some straight pliers cannot reach
- · Self-locking mechanism holds pliers to hose with a simple squeeze



SD1118 **MULTI-DIRECTION HOSE CLAMP PLIERS**

- · Recess in jaws grips spring
- Wide application pliers, for use on radiator clamp, fuel line clamp and tank, ventilation line clamp, and wheel bearing clip
- Multi-direction design has crossed indentations in the jaws to pliers can be used straight on, or at a right angle depending on space limitations

P8551

SPRING-BAND 10" HOSE CLAMP PLIERS

- · Slim head design; narrow head width, rotatable grip inserts: an ideal tool, especially in confined areas
- Can be used for standard, space-saving. spring wire hose clamps and for spring band clamps up to 70mm nominal size
- · Maximum jaw opening 80mm; over 40mm clamping range

309LR

ANGLE NOSE HOSE PINCHING PLIERS

- Round nose profile prevents hose damage
- Analed head design allows for right angle access to hoses in tight spaces were straight on access is limited



HCP18001 **CLIC-R HOSE CLAMP PLIERS**

 For releasing and refitting reusable hose clips, types "Clic" and "Clic-R"



DMCC 3-WAY "CLIC" AND "CLIC-R" PLIERS

- Access the clamp from three different angles
- Use on hose clamps up to 24mm



UNIVERSAL LOCKING HOSE CLAMP PLIERS

- · Special angled jaws designed to fit most hose clamps
- Finger tip lock keeps hose clamp open



MC4200 **MULTI-CUTTER WITH REVERSIBLE BLADE**

- Cuts flexible hose up to 1-1/4"
- · Comes with loop for safe storage
- Double-sided long-lasting blade

HCP733A

STANDARD STRAIGHT **HOSE CLAMP PLIERS**

· Standard straight hose clamp pliers for removal of metal or plastic self-tightening hose clamps 11/16" - 2-1/2"

HCP734A **FLAT BAND HOSE**

CLAMP PLIERS • Use to install and remove

- flat type hose clamps
- · Pliers latch in position to hold clamp
- Swivel jaws grip at any angle

COOLING SYSTEM HOSE ACCESSORIES



HC4SET

4-PC. HOSE CLAMP PLIERS SET

- · One-hand locking style
- Access open hard-to-reach flat band hose clamps
- Pinch and lock closed vent, radiator, vacuum, and fuel hoses/lines
- Pinches off and locks rubber tubing or lines
- The round nose profile prevents damage of hoses

PRODUCT #	DESCRIPTION	SIZE	JAW THICKNESS	THROAT Depth	SET
HC4SET	4-PC. Hose Clamp Pliers Set				
HCP900	Locking Hose Clamp Pliers	7"	-	-	•
HCP901	Locking Hose Clamp Pliers	9"	-	-	•
HPP900	Pinch-Off Pliers	7"	1/4"	1"	•
HPP901	Pinch-Off Pliers	9"	1/4"	4"	•



L80380

5-PC. HOSE REMOVER SET

- Can be used to remove hoses, moldings, clips, clamps, seals, O-rings, cotter pins, gaskets, etc.
- Long pullers are 13" long
 Handles are dual-durometer material for comfort and grip
- Heat-treated for strength and plated for durability

PRODUCT #	DESCRIPTION
LIS80210	Short Hose Remover
LIS80220	Long Hose Remover
LIS80230	Short Offest Hose Remover
LIS80240	Long Offest Hose Remover
LIS80290	Double Offset Short Hose Remover



82130

2-PC. RADIATOR HOSE SPOON SET (NOT SHOWN)

- Wider blades reduce the chance of damage when removing
- · Handles are dual material for comfort and grip

PRODUCT #	DESCRIPTION	SET
82130	2-PC. Radiator Hose Spoon Set	
82140	Radiator Hose Spoon, Short	•
82150	Radiator Hose Spoon, Long	•



L39190

GM HEATER HOSE DISCONNECT TOOL 3/4"

- Designed to separate quick-connect fittings on 3/4" heater lines on GM vehicles
- · Hinged design allows the tool to slip over the heater hose, even in tight spaces
- Slide the tool into the connector to release the line
- · Aluminum provides strength and durability



COOLANT HOSE DISCONNECT SET

- · Wedges between the connector and the hose to release the fastener
- 40° offset helps work around obstructions in tight spaces
- · Available in four sizes to depress clips from 5/8" to 1"



HL0096

2-PC. HOSE CLAMP VISE SET

- For compressing spring steel hose clamps Fits most ear-type hose clamps
- · Particularly useful in confined spaces
- · Compatible with VAG clips

PRODUCT #	DESCRIPTION	SET
HL0096	2-PC. Hose Clamp Vise Set	
HL0094	85mm	•
HL0095	60mm	•



3-WAY HOSE CLAMP VISE

- · Compact design idea for clamps in restricted areas
- Unique head design allows vise to clamp on to hose clamps from three different angles
- Capacity: 0 65mm



HFL4790

HOSE AND FUEL LINE REMOVAL PLIERS

• Used to remove 3/16" to 1/2" vacuum and fuel hoses



· Contains five adapters with fourteen drive sizes to fit all popular plugs, both metric and fractional

PRODUCT #	DESCRIPTION	SET
FP310MA	Expansion Plug Driver Set	
FP310MA-1	5/8" Diameter Driver Bar - Freeze Plug	•
FP310MA-3	1-1/4" Adapter - Freeze Plug	•
FP310MA-5	1-3/8" Adapter - Freeze Plug	•
FP310MA-6	1-5/8" x 1-3/4" Adapter - Freeze Plug	•
FP310MA-7	2" x 2-1/4" Adapter - Freeze Plug	•



SUB-CATEGORIES:

776

TIRE INFLATION

780

AXLE NUT SOCKETS

784

WHEEL NUT SOCKETS

789

BRAKE TOOL SETS

792

TUBING CUTTERS

793

FLARING TOOLS

795

BRAKE SPRING TOOLS

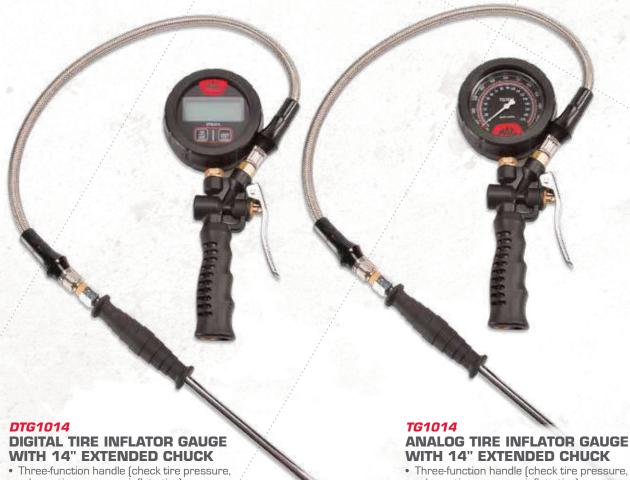
798

BRAKE PAD TOOLS

302

BRAKE BLEEDERS





- Three-function handle (check tire pressure, release tire pressure, inflate tire)
- Large 2.6" gauge with 360° swivel
- Inflator tube length: 28"
- Straight-on dual foot chuck: 14"
- Range: 2 170 psi (12 bar, 1200 kpa)

- Three-function handle (check tire pressure, release tire pressure, inflate tire)
- Large 3" gauge with 360° swivel
- Inflator tube length: 28"
- Straight-on dual foot chuck: 14"
- Range: 2 170 psi (12 bar, 1200 kpa)







PRESSURE GAUGES



DT150-38CV **DIGITAL TIRE GAUGE** WITH STRAIGHT CHUCK

- Range: 0 160 PSI
- 2" Dial with 17-1/2" hose
- Temperature and
- pressure compensation
- Bleed feature
- Increments of 1.0 PSI

TG900

INFLATOR GAUGE WITH DUAL FOOT CHUCK

- Range: 12 120 PSI
- 12" Hose length
- Dial foot chuck



LSTG100

DIAL TIRE GAUGE WITH BLEEDER VALVE

- Large 2.5" (63.5mm) dial
- Range: 10 170 PSI (100 1,200 KPa)
- Rubber shock-absorbing cover for protection
- Dual straight-on chuck
- Increments: 2 PSI (20 KPa)
- Overall length: 14.2" (362mm)



TG1000C

ANALOG TIRE INFLATOR

- Range: 0 170 PSI
- 2-1/4" Dial with 24" hose
- Ergonomic handle
- Straight-on clip chuck



TDG120

DIAL TIRE 2-IN-1 GAUGE

- Fully-geared 1/32"(1mm) increment precision brass movement
- Shock-absorbing protective cover
- Pressure Range: 8-120 PSI
- 2 PSI (20 kPa) Increments
- Tread Depth Range: 0-15/32" (0-12mm)
- Dial: 2" (50.8mm)

TIRE INFLATOR CHUCKS

TG10DA PENCIL TIRE GAUGE

- Range: 10 50 PSI
- Increments: 1 lb.

TG150 LOW PSI PENCIL GAUGE

- Range: 1 20 PSI
- Increments: 1/2 lb.

TG110 PENCIL TIRE GAUGE

- Range: 20 120 PSI
- Increments: 2 lbs.

TG160 DUAL-END PENCIL GAUGE

- Range: 20 120 PSI
- Increments: 2 lbs.

TG120 RADIAL TIRE GAUGE

- Range: 12 48 PSI
- Increments: 1 lb.

TG570 DUAL END TIRE GAUGE - 12"

- Use on Budd style tire valves
- 30° Reverse chuck
- Range: 10 150 PSI

TWTC1 TWO-WAY LOCK-ON TIRE CHUCK

- Lock-on dual straight chuck and non-slip handle
- Two-way quick-release knob
- Closed-end valve style for air supply directly from air line
- 1/4"-18 Female NPT with 5/8" hex nut
- 15" Overall length.

QLTC1 QUICK-LOCK TIRE CHUCK

- Quick-release knob
- Closed end valve style for air supply directly from air line
- 1/4"-18 Female NPT with 5/8" hex nut
- Straight lock-on chuck
- 7-1/2" Overall length



TG390 DUAL STRAIGHT-ON CHUCK

- Ideal for Budd style truck tire valves
- · For inflating dual wheel vehicles
- 1/4"-18 Female NPT with 5/8" hex nut
- 6-1/2" Overall length



AC384

1/4" FEMALE NPT DUAL CHUCK

- Standard dual foot extension for valves on tractors, trucks, or buses
- 6-1/2" Overall length



- Dual foot 1/4" Female NPT
- Deep well lock
- Locks on valve when tilted
- For hard-to-reach valves



AC352 1/4" FEMALE NPT SINGLE CHUCK

Made from Zinc



AC354

1/4" FEMALE NPT CHUCK WITH CLIP

· Locking mechanism for hands-free use



QLC90

TIRE CHUCK QUICK-LOCK

- 90° Lock-on chuck
- Quick-release knob
- Closed end valve style for air supply directly from air line
- 1/4"-18 FNPT with 5/8" hex nut
- Overall length: 5-9/16"





VALVE TOOLS

TV95975 4-PC. TIRE VALVE TOOL SET

 Macsimizer[™] ergonomic handle ensures a firm grip and is resistant to acid and solvents

INCLUDES:

- (1) Valve Core Remover Tool
- [1] Valve Stem Internal Thread Chaser
- [1] Valve Stem External Thread Chaser
- [1] Valve Core Remover/Installer

14100470

TIRE VALVE INSTALLER

- Swivel head screws onto cap thread of tire valve
- Handle is used as a lever to pull tire valve into rim hole
- Overall length: 11-3/4"



INCLUDES:

- [1] White Marking Crayon
- (1) Tire Depth Gauge
- [1] Valve Core Extractor
- (1) 50 Lbs. Pencil Air Gauge
- (1) Black Bic Pen
- (1) Black Pouch



TV1986 TIRE DEFLATOR SET

- Large openings on the sides allow air to escape quickly
- Marked so tires can be returned to their original position on the vehicle preventing the need to reset the TPMS system

VT43P

VALVE CORE TOOL

- Slotted end removes and replaces valve cores
- · Operates like a screwdriver
- Comfort-Grip[™] handle

S445

VALVE REPAIR TOOL

- Re-threads inside and outside of valve stem
- · Inserts or removes cores
- Provides quick, easy removal of broken cores

VC1HD (NOT SHOWN

8" VALVE CORE TOOL

VC1

4" VALVE CORE TOOL

 Allows the valve core to stay attached to the tool after it is removed from the valve



SD5007

TIRE DEFLATOR FOR TPMS VALVES

- Four identical sizes noted with position marks help users to install the tires back to the same position
- Save time by not needing to reset the TPMS system with computer



TPMS SERVICE KIT

- Tighten down valve stems to a pre-selected torque setting without over tightening or stripping
- Service and maintain valve stem type TPMS sensors
- · Sockets commonly used on sensor retaining nuts





INTERCHANGEABLE-TIP VALVE CORE TOOL

- Double ended core driver reverses in the tool body
- Reversible driver fits both large and small valve cores
- Long tool handle will access inside dual wheels



- One end for large bore, one end for standard sizes
- Heavy-duty firm grip







AXLE NUT SOCKETS LOCK NUT REMOVER SET



HT976B

8-PC. 1/2" DRIVE AXLE NUT SOCKET SET - 12-PT.

- Fits axle nuts and automatic transmission tail output shafts on Toyota®, Lexus®, Chrysler®, Dodge®, Jeep®, Audi®, VW®, and • Blow-molded case BMW®, as well as many other makes
- Blow-molded case

PRODUCT #	DESCRIPTION	SIZE [MM]	SET
HT976B	8-PC. 1/2" Drive Axle Nut So	cket Set -	12-PT.
97629	Axle Nut Socket - 12-PT.	29	•
97630	Axle Nut Socket - 12-PT.	30	•
97632	Axle Nut Socket - 12-PT.	32	•
97634	Axle Nut Socket - 12-PT.	34	•
97635	Axle Nut Socket - 12-PT.	35	•
97636	Axle Nut Socket - 12-PT.	36	•
97638	Axle Nut Socket - 12-PT.	38	•
97639	Axle Nut Socket - 12-PT.	39	•



AS4547C

7-PC. 1/2" DRIVE STOCK **IMAGES SET - 6-PT.**

- 1/2" drive chrome-molybdenum sockets for heavy-duty use

PRODUCT #	DESCRIPTION	SIZE	SET		
AS4547C	7-PC. 1/2" Drive Axle Nut So	7-PC. 1/2" Drive Axle Nut Socket Set - 6-PT.			
454729	GM®, Ford®, Asian	29	•		
454730	GM®, Asian	30	•		
454732	Honda®, Chrysler®	32	•		
454734	GM®	34	•		
454735	GM®	35	•		
454736	GM®, Ford®, Chrysler®	36	•		
454738	Full-Size and SUVs	38	•		



7-PC. 1/2" DRIVE SUV/TRUCK **LOCKNUT SET**

- Seven of the most popular wheel bearing locknut sockets for 4-wheel drive trucks
- All sockets have 1/2" drive
- Blow-molded case

PRODUCT #	DESCRIPTION	SIZE	SET	
AS4542A	7-PC. 1/2" Drive SUV/Truck Locknut Set			
AS4542A-1	Hex Locknut Socket	2-3/8"	•	
AS4542A-2	Rounded Hex Locknut Socket	2-9/16"	•	
AS4542A-3	Hex Locknut Socket	2-1/2"	•	
AS4542A-4	Rounded Hex Locknut Socket	2-3/4"	•	
AS4542A-5	Rounded Hex Locknut Socket	2-1/2"	•	
AS4542A-6	Rounded Hex Locknut Socket	2-3/8"	•	
AS4542A-7	Hex Locknut Socket	55mm	•	



AS4548B

8-PC. 1/2" DRIVE AXLE **NUT SOCKET SET - 6-PT.**

- Installs axle nuts on front axle hubs
- Durable impact-grade alloy steel
- Extra deep to fit over various axle lengths
- · Works where standard sockets won't

PRODUCT #	DESCRIPTION	SIZE	SET		
AS4548B	8-PC. 1/2" Drive Axel Nut Sock	8-PC. 1/2" Drive Axel Nut Socket Set - 6-PT.			
454829	Axle Nut Socket - 6-PT.	29			
454830	Axle Nut Socket - 6-PT.	30	•		
454832	Axle Nut Socket - 6-PT.	32	•		
454834	Axle Nut Socket - 6-PT.	34	•		
454835	Axle Nut Socket - 6-PT.	35	•		
454836	Axle Nut Socket - 6-PT.	36	•		
454838	Axle Nut Socket - 6-PT.	38	•		
454839	Axle Nut Socket - 6-PT.	39	•		



6-PC. 1/2" DRIVE **LOCKNUT SOCKET SET - 6-PT.**

- Sockets have 1/2" square drive
- Blow-molded case

PRODUCT#	DESCRIPTION	SET
AS4543C	6-PC. 1/2" Drive Locknut Socket Set - 6-P	T.
AS612C	6-Lug Socket	•
AS613A	4-Lug Socket	•
AS615A	Ford® 4-Lug Locknut Socket	•
AS616C	4-Lug Socket	•
AS688A	Toyota® 4-Lug Locknut Socket	•
AS689A	FWD Front Spindle Puller	•



AS4549B 3-PC. 1/2" DRIVE AXLE **NUT SOCKET SET - 12-PT.**

- Featuring 39mm socket applications: 2008 - '10 Toyota® Land Cruiser; 2008 - '10 Toyota® Sequoia; 2007 - '10 Toyota® Tundra; 2008 Lexus® LX 570
- · Most popular axle nut sockets for larger automobiles and SUVs
- Blow-molded case

PRODUCT #	DESCRIPTION	SIZE	SET
AS4549B	3-PC. 1/2" Drive Axle Nut So	cket Set -	12-PT.
454930	Axle Socket - 12-PT.	30	•
454936	Axle Socket - 12-PT.	36	•
454939	Axle Socket - 12-PT.	39	•



ANR6540

TOYOTA®/LEXUS® FRONT AXLE LOCK NUT REMOVER KIT

- 30mm, 12-PT. special depth impact 1/2" drive socket with a lock nut release tool to unlock the 30mm axle nut on both front and rear wheel drive vehicles
- Unique angle easily unlocks 30mm axle nuts



GM® FRONT AXLE NUT METRIC IMPACT SOCKETS - 6-PT.

- May be used with torque wrench for simple wheel bearing adjustment
- Black-oxide finish

PRODUCT #	DRIVE SIZE	OVERALL Length	POINT SIZE	SIZE
VDP630MMR	1/2" Square	3-1/4" / 82.6	6	30
VDP635MMR	1/2" Square	3-1/4" / 82.6	6	35
VDP636MMR	1/2" Square	3-1/4" / 82.6	6	36

ASP7077P AXLE STUD CONE PLIERS

- For all popular, medium-size and heavy-duty truck axles
- Expands tapered cone and speeds axle disassembly
- 9" Overall length



FWD2740

COMBINATION 4WD WHEEL BEARING LOCKNUT TOOL

- Six-slot application on: 1978 - '89 3/4-ton Ford and 1973 - '81 GM 3/4- and 1-ton
- Four-slot applications are 1960 - 1989 GM[®] 1/2-ton



L31550 AXLE HUB BRIDGE NUT SOCKET

- Removes and installs the hub bearing retaining nut 10.5" or 11.5" ring gear
- Nine drive pins to fit the new style retaining nut



SC79R 36MM FLYWHEEL/ REAR AXLE NUT SOCKET - 6-PT.

- Impact grade
- 2" Overall length



AXLE NUT SOCKETS 1/2" DRIVE SOCKETS AND SETS



STLWH1

WHEEL HUB CLEANING TOOL

- Attaches to 1/2" drive impact wrench
- · Resurfaces brake rotor hub section for a cleaner mating surface with the wheel

STLWH1PD

WHEEL HUB CLEANING TOOL **REPLACEMENT PADS - 6-PK**



- Impact rated
- Removes rust, corrosion and other build-up from wheel stud, drums and tire rim.
- Replacement cleaning discs available

STLWH2PD

TRUCK WHEEL HUB CLEANING **TOOL REPLACEMENT PADS - 6-PK**

FT131108

LARGE MASTER BEARING **RACE DRIVER**

- All-in-one design, eliminating the need for a driver and several different heads
- Three-step iaw accommodates sizes: 18-56mm (0.75"-2.25") range with a 10mm depth/reach 39-77mm (1.5"-3.0") range with a 10mm depth/reach 48-86mm (2.0"-3.5") range with a 20mm depth/reach
- · Can be used on most vehicles, including motorcycles

FT131107

SMALL MASTER BEARING RACE DRIVER

 Same as above, except accommodates sizes 9.5 - 50mm (0.374" - 1.968")



BD3142MA

22-PC. BUSHING REMOVER **AND INSERT KIT**

- Sizes from 3/8" x 7/16" through 1-1/4" x 1-3/8"
- · Three drivers and nuts for drivers
- Blow-molded case



BD3143MA

9-PC. HEAVY-DUTY BUSHING **REMOVER AND INSERT KIT**

- Sizes from 1-5/16" x 1-7/16" through 1-3/4" x 1-7/8"
- Blow-molded case



HUB SHOCKER

- · Fits most five-six-eight lug applications
- Strong mounting holes
- 3/4" Heavy-duty steel back plate
- 1/2" Square tubing
- 1/2" Striking plate
- · Flanged nuts for safety and performance



TRUCK AND TRAILER WHEEL PAN

- Fits tire rims with 13-3/4" I.D. and larger
- Handle compartments hold hub nuts out of the oil
- Made of polypropylene for durability
- · Capacity: 88 oz.







lug nut sizes with just two sockets

PRODUCT #	DESCRIPTION	DRIVE SIZE	OPENING SIZE	OVERALL LENGTH	SET
SV3PT	Wheel Lug Sock	et Set			
SC132	Dual Purpose Wheel Lug Socket	1/2"	19mm Hex - 21mm Hex	2-3/4" / 70	•
VP246266	Dual Purpose Wheel Lug Socket	1/2"	3/4" Hex - 13/16" Hex	2-3/4" / 70	•
VP3EB	Extension for Impact Flip Socket	1/2"	-	3" / 76.2	•



LT1250A

1/2" DRIVE 18.5MM/19.5MM **CHROME-CAPPED LUG NUT FLIP SOCKET**

LOC1260

1/2" DRIVE 22MM/22.5MM **CHROME-CAPPED LUG NUT FLIP SOCKET**

- · Removes damaged/distorted lugnuts with steel caps
- · Removing over-torqued lugnuts during extreme cold/heat also distorts lugnut cap
- Dual flip 1/2" drive impact socket design



TFL3-SET

3-PC. 1/2" DRIVE THIN-WALL **IMPACT SOCKET SET - 6-PT.**

SVP3TK

3-PC. 1/2" DRIVE THIN-WALL IMPACT SOCKET SET - 6-PT.

- Covers the six most common wheel lug sizes on the market today
- Thin-wall design allows access to wheel lugs where standard sockets will not fit

PRODUCT #	DESCRIPTION	DRIVE SIZE	SIZE	SE	TS
TFL3-SET	3-PC. 1/2" Drive Thin-W	all Impact	Socket Set - I	6-PT.	
SVP3TK	3-PC. 1/2" Drive Thin-W	all Impact	Socket Set - I	6-PT.	
TFL-1921	Thin Wall Impact Socket	1/2"	19-21mm	•	•
TFL-3413	Thin Wall Impact Socket	1/2"	3/4"- 13/16"	•	•
TFL-7815	Thin Wall Impact Socket	1/2"	7/8"- 15/16"		•
ЕХТЗ	Impact Extension	1/2"	3"	•	



SVPT116B

11-PC. IMPACT SOCKET WHEEL/LUG PROTECTOR SET - 6-PT.

- Plastic sleeves and inserts protect wheel and lug nut finish
- · Thin wall for access in tight work areas
- Large size markings on each socket sleeve for quick identification

PRODUCT #	NOMINAL SIZE BOTH ENDS	OVERALL LENGTH IN. / MM.	SETS	
SVPT116B		11-PC. Impact Socket Wheel/Lug Protector Set - 6-PT.		
VPT246	3/4" Thin Wall	3-3/8" / 85.7	•	
VPT266	13/16" Thin Wall	3-3/8" / 85.7	•	
VPT286	7/8" Thin Wall	3-3/8" / 85.7	•	
VPT306	15/16" Thin Wall	3-3/8" / 85.7	•	
VPT326	1" Thin Wall	3-3/8" / 85.7	•	
VPT346	1-1/16" Thin Wall	3-3/8" / 85.7	•	
VPT617MM	17mm Thin Wall	3-3/8" / 85.7	•	
VPT619MM	19mm Thin Wall	3-3/8" / 85.7	•	
VPT621MM	21m Thin Wall	3-3/8" / 85.7	•	
VPT3E	3" Impact Extension	3" / 76.2	•	
VPT5E	5" Impact Extension	5" / 127	•	



LOCKING LUG MASTER KEY SET

Set comes with both SAE and metric pieces that can be used on spline, star, hex, and fluted hex fasteners



PRODUCT #	DESCRIPTION	SIZE	SETS
MAC78537	Locking Lug Master Key	Set	
MAC78538	5-Spline Socket	-	•
MAC78539	6-Spline Socket	-	•
MAC78540	6-Spline Duplex Socket	-	•
MAC78541	Hex Nut Lock Key	-	•
MAC78542	Hex Key	12mm	•
MAC78543	Hex Key	15mm	•
MAC78544	7-Spline Socket	5/8" I.D.	•
MAC78545	7-Spline Socket	11/16" I.D.	•

PRODUCT #	DESCRIPTION	SIZE	SETS
MAC78546	7-Spline Socket	3/4" I.D.	•
MAC78547	8-PT. Star-Small	-	•
MAC78548	8-PT. Star-Large	-	•
MAC78549	10-PT. Star	-	•
MAC78550	12-PT. Small	-	•
MAC78551	12-PT. Small Diameter Socket	-	•
MAC78552	9-PT. Lug	1/2" OD	•
MAC78553	Hex Lug	9/16"	•

LUG NUT SERVICE TOOLS



TFL6-SET 6-PC. THICK AND THIN FLIP SOCKET SET

 One end is a standard wall 6-PT., the other is a thin wall 6-PT. socket of the same size



TSDB3-SET

3-PC. 1/2" DRIVE LUG AND LOCK FLIP SOCKET SET

- Covers the six most common wheel lug sizes on the market today
- 6-Flute design removes damaged wheel lugs while the 12-flute side removes most standard wheel locks



 Magazine-style loading impact socket for multiple lug nut removal (up to five lug nuts can be housed in the socket at the same time for quick removal)





DTS5F-SET



DTS5M-SET

THIN WALL IMPACT SOCKET SETS

- Covers the majority of fractional wheel lug sizes on the market today
- 1/2" Drive, impact rated sockets
- Thin wall design allows access to wheel lugs where standard sockets will not fit

PRODUCT #	DESCRIPTION	NOMINAL Size In.	NOMINAL Size MM.	SET				
DTS6-SET	6-PC. Deep Thin Wall Impact Socket Set							
DTS5F-SET	5-PC. SAE Deep Thin Wall Impact So	ocket Set						
DTS5M-SET	5-PC. Metric Thin Wall Impact Soci	5-PC. Metric Thin Wall Impact Socket Set						
DTS-13	Deep Thin Wall Impact Socket	13/16"	_		•	•		
DTS-15F	Deep Thin Wall Impact Socket	15/16"	-		•			
DTS-16F	Deep Thin Wall Impact Socket	1"	-		•			
DTS-17F	Deep Thin Wall Impact Socket	1-1/16"	-		•			
DTS-17M	Deep Thin Wall Impact Socket	_	17	•		•		
DTS-19M	Deep Thin Wall Impact Socket	_	19	•		•		
DTS-21M	Deep Thin Wall Impact Socket	_	21	•		•		
DTS-78	Deep Thin Wall Impact Socket	7/8"	-		•	•		
DTS-14M	Thin Wall Impact Socket	_	14	•				
DTS-22M	Thin Wall Impact Socket	_	22	•				
ЕХТЗ	3" Impact Extension	_	_			•		

PRODUCT #	DESCRIPTION NOMINAL NOMINAL SIZE IN. SIZE MM.			SET			
TFL6-SET	6-PC. Thick and Thin Flip Socket Set	t					
DBLG-SETA	6-PC. Double-Duty Flip Socket Set						
TSDB3-SET	3-PC. 1/2" Drive Lug and Lock Flip Socket Set						
TFL-13	Flip Socket	13/16"	-			•	
TFL-17M	Flip Socket	-	17			•	
TFL-19M	Flip Socket	-	19			•	
TFL-21M	Flip Socket	-	21			•	
TFL-78	Flip Socket	7/8"	_			•	
DBL-13A	Double-Duty Flip Socket	13/16"	-		•		
DBL-17MA	Double-Duty Flip Socket	-	17		•		
DBL-19MA	Double-Duty Flip Socket	-	19		•		
DBL-21MA	Double-Duty Flip Socket	-	21		•		
DBL-78A	Double-Duty Flip Socket	7/8"	-		•		
TSDB-17	Lug and Lock Flip Socket	_	17	•			
TSDB-3419	Lug and Lock Flip Socket	3/4"	-	•			
TSDB-78	Lug and Lock Flip Socket	7/8"	_	•			
ЕХТЗ	3" Impact Extension	-	-		•	•	



SD1133A

2-PC. MERCEDES-BENZ® SPECIAL WHEEL NUT SOCKET **AND HANGER SET**

- · Wheel hangers for use with specially equipped vehicles using M14-1.5 lug studs
- · Prevents accidentally damage to fragile brake rotors such as those made from carbon ceramic, which can be thousands of dollars to replace



LT4300

3-PC. LUG NUT REMOVAL SOCKET SET

- Removes damaged 3/4", 19mm, 13/16", and 21mm lug nuts and the majority of OEM and aftermarket locking lug nuts
- Two dual-sided twist sockets
- · For use with a breaker bar

INCLUDES:

(1) Extractor Punch



LT1230A

5-PC. LUG AND LOCK **FLIP SOCKET SET**

· Covers the eight most common wheel lug sizes (21/21.5mm, 18.5/19.5mm, 22/22.5mm,and 1-1/16"/27.5mm] on the market today



LOC4200A **DUAL-SIDED TWIST SOCKET LUG NUT REMOVER**

- For removal of late model OEM and aftermarket 3/4" and 19mm, 13/16", and 21mm damaged lug nuts
- · For use with a breaker bar



TRUCK BRAKE CAGE **BOLT SOCKET**

- Extra deep 3/4" socket loosens the cage bolt to unlock air brakes on trucks
- Removes the air brake boosters
- Overall length is 5", inside length is 4-1/2"



15MM EXTRA DEEP IMPACT SOCKET

- · For use on emergency brake adjustment nuts and stabilizer bar retainers
- 1/2" Drive
- 5" Lenath

SC191



DELUXE HUBCAP AND WHEEL LOCK REMOVAL KIT

- Includes the LT4200B "Quick-Off" Lug Nut Removal Tool
- Removes 3/4", 19mm, 13/16" and 21mm tire lug nuts that are damaged or rounded
- · For use with a breaker bar
- · Also removes undamaged GM®, Ford®, and Chrysler® wire wheel hubcap locks



DBL6-SETA

6-PC. DOUBLE-DUTY **FLIP SOCKET SET**

- One end is a standard 6-PT. socket
- · Other end is a twist socket, damaged wheel lug remover

INCLUDES:

- (1) DBL-13A 13/16"
- (1) DBL-21MA 21mm
- **DBL-17MA** 17mm (1) **DBL-19MA** - 1.9mm
- [1] DBL-78A 7/8" [1] EXT3A - 3" Extension



Accuride/Dayton Walther

33MM 3/4" DRIVE ISO WHEEL NUT SOCKET - 6-PT. Removal of the Budd Uni-Mount-10[™] metric wheel system and Ultra Mount 335™ from

WDP633MMR

33MM 1" DRIVE BUDD WHEEL SOCKET - 6-PT.

• Remove and replace Budd wheels on 1990 and newer semi-trucks

WHEEL NUT SOCKETS HUB AND AXLE TOOLS



HG6575

HUB GRAPPLER

- Complete solution for servicing wheel hubs and bearings on the vehicle without removing the steering components or knuckle, eliminating unnecessary alignments or the use of a shop press, cutting service time dramatically
- Specifically designed to apply maximum force with minimal effort from an impact gun
- Jaws are designed and sized to properly fit hub applications and can be quickly located on the puller bar without the use of fasteners
- 3/4" Custom drive screw coupled with the special equalizer washer provides smooth operation while the proprietary heat treating extends its life 5-10 times longer than similar designs
- Six adapters increase application coverage up to 2009 model year



SD1039

8-PC. METRIC STUD REMOVER/INSTALLER SET

- · Double nut style removers help prevent damage to threads
- Installers have an adjustable depth ball bearing inside to keep from damaging threads

PRODUCT #	DESCRIPTION	SIZE	SET	
SD1039	8-PC. Metric Stud Remover/Installer Set			
SD-1039-1	Stud Installer	M6-1.0	•	
SD-1039-2	Stud Installer	M8-1.25	•	
SD-1039-3	Stud Installer	M10-1.25	•	
SD-1039-4	Stud Installer	M10-1.5	•	
SD-1039-5	Stud Remover M6-1.0		•	
SD-1039-6	Stud Remover M8-1.25		•	
SD-1039-7	Stud Remover	M10-1.25	•	
SD-1039-8	Stud Remover	M10-1.5	•	

WIS2278

TRUCK WHEEL STUD INSTALLER

- Installs most truck wheel studs in seconds
- · Use with an impact wrench or ratchet
- · Body is equipped with a thrust bearing to easily pull the new wheel stud into place
- · Fits truck wheel studs up to 22mm (7/8") in diameter
- · Use the lug nut to tighten against the tool body to pull the stud in position

Note: The bearing will wear with use and is not warrantied



WSR280

WHEEL STUD INSTALLER

- · Easily installs new wheel studs
- Use with a ratchet or impact wrench to pull the new stud securely in place
- Position the tool over the stud shaft
- Tighten the lug nut against the tool to pull the stud in place
- · Works on most automotive and light-duty truck wheel studs, import and domestic

Note: The bearing will wear with use and is not warrantied





LIS14150

8-PC. WHEEL STUD PILOT PIN SET

• Four pairs of Metric threaded wheel stud pilot pins allow you to hang the wheel without having to balance the wheel on the small lip of the hub. This helps prevent the wheel from falling and causing damage or injury.

INCLUDES:

- (2) LIS13920 12mm X 1.5 Pilot Pin
- (2) **LIS13930** 14mm X 1.5 Pilot Pin
- (2) LIS13940 14m X 1.25 Pilot Pin
- [2] LIS13990 12mm X 1.25 Pilot Pin



- **HUB REMOVER KIT** · Separates the frozen hub assembly from the steering knuckle
- on Dodge® vehicles Tool drives against loosened retaining bolts to separate assembly using a standard .401 shank air hammer
- Prevents damage to the knuckle and complete hub assembly
- Tool drives on the bolt flange, so the head of the retaining bolt is not destroyed

INCLUDES:

- [1] L39300 for Older or Smaller Applications
- (1) L39250 for 2003 and Newer 4-Wheel Drive 3/4-Ton and 1-Ton Dodge® Pickups



MHT6290

4WD FRONT HUB PULLER

1985-2001 Jeep® Cherokee®

 Services 1988-2000 GM[®] 1/2-, 3/4-, and 1-ton trucks Tahoe, Suburban, and Yukon; 1994-2000 Dodge® 1/2-, 3/4- and 1-ton RAM® trucks; 1997-2000 Ford® 1/2-ton trucks and Expeditions; 1998-2000 Ford® 3/4- and 1-ton trucks and Excursions;



LNG938

WHEEL STUD INSTALLER **AUTOMOTIVE KIT**

- Installation of the stud can be with a socket, pneumatic air, or conventional wrench
- The spacer and washer assist to draw/pull the stud straight every time without stripping or breaking the stud

SIZES:

(1) 12mm - 1.5 [1] 7/16" - 20 (1) 12mm - 1.25 [1] 1/2" - 20

WHEEL NUT SOCKETS WHEEL TORQUE EXTENSIONS





1/2" DRIVE WHEEL TORQUE SETS

-								
PRODUCT #	COLOR	RATING FT-LBS.	SIZE IN.	SIZE MM	SET			
WTK1503	9-PC. Wheel Torque Master Set							
WTK1553	4-PC. America	4-PC. American Car Wheel Torque Set						
WTK1503-A	Brown	100	13/16"	-	•	•		
WTK1503-B	Orange	80	-	21		•		
WTK1503-C	Gray	100	3/4"	19	•	•		
WTK1503-D	Black	60	-	21				
WTK1503-E	Blue	80	3/4"	19	•	•		
WTK1503-F	Yellow	65	3/4"	19		•		
WTK1503-G	Red	80	-	17		•		
WTK1503-H	Evergreen	45	-	17				
WTK1503-I	White	120	7/8"	-	•	•		
LOC1500Q	Aqua	140	7/8"	_		•		
LOC1500BB	Turquoise	150	-	21		•		

WHEEL TORQUE EXTENSION SETS

PRODUCT #	COLOR	RATING FT-LBS.	SIZE	SET				
WTE1470	7-PC. Wheel Torque Extension Set							
WTE1463	5-PC. Wheel 1	5-PC. Wheel Torque Extension Set						
WTE1463-C	Gray	100	1/2"	•	•			
WTE1463-E	Blue	80	1/2"	•	•			
WTE1463-F	Yellow	65	1/2"	•	•			
WTE1463-I	White	120	1/2"	•	•			
WTE1463-K	Purple	110	1/2"		•			
WTE1463-Q	Aqua	140	1/2"	•	•			
WTE1463-BB	Orange	160	1/2"		•			



TS4500

TIRE STEP

- Added height advantage helps you work in the engine compartment easily
- Makes hard-to-reach areas of truck accessible for paint and body work
- Dimensions: 21-1/2" x 7" x 1-21/32" 546.1mm x 177.8mm x 42mm



TT68A

WHEEL COVER TOOL

- Rubber tip prevents damage
- Plastic handle for added leverage



DC214B **HUB AND**

DUST CAP REMOVER

- Jaws are designed to get a firm grip on dust cap and flange
- Hammer head for replacing dust caps

BRAKE TOOLS BRAKE TOOL SETS



- [1] **L44210** Universal Emergency Brake Tool
- [1] **L44220** E-Brake Cable Release Tool
- (1) **L50700** Brake Adjustment Tool
- [1] L81850 Combination Brake Lining Thickness Gauge Set
- (1) **L13410** Brake Caliper Brush
- (1) L40750 Parking Brake Cable Remover
- [1] L46750 Brake Spring Tool
- [1] **L44800** Heavy-Duty Brake Spring Tool
- (1) **L49100** T-Handle Single Spring Brake Tool
- (1) L11260 Brake Spring Pliers
- [1] **L47400** Brake Spring Washer Tool
- [1] **L48400** Import Car Brake Clip Tool
- (1) **L71040** Tool Bag

BT96152A

14-PC. BRAKE TOOL SET

- · Advanced tri-lobal ergonomic design handle
- · TPE over-mold grip
- · Resistant to acids, fluids, and solvents
- · Specially designed brake spring pliers jaw

INCLUDES:

- (1) Brake Spring Retainer Tool
- (1) Brake Spring Compressor Tool
- [1] Bendix® Brake Spring Remover/Installer
- (1) Brake Spring Installer
- (1) Brake Spring Pliers
- [1] 29°/45° Brake Adjustment Spring
- (1) Bendix® Brake Adjustment Spoon



- (1) Adjustment Spoon, GM®
- [1] Adjustment Spoon, Toyota®
- (1) Adjustment Spoon, VW®/ Mazda®/Omni®
- (1) Organizational Tray



BRAKE TOOLS INSTALLERS AND KITS



CF330 4-IN-1 HONE KIT

INCLUDES:

- (1) Adjustable Foreign Car Brake Hone, 1/2" 2-1/4" (12.7mm 57.2mm)
- [1] Adjustable Disc Brake Cylinder Hone, 1-1/4" - 3-1/2" (31.8mm - 88.9mm)
- [1] Adjustable Brake Cylinder Hone, 3/4" - 2-1/2" [19.1mm - 63.5mm]
- (1) Adjustable Small Engine Cylinder Hone, 1-1/4" - 3-1/2" (31.8mm - 88.9mm)
- (1) Convenient Storage Box



TOYOTA® PARKING BRAKE TOOL

- · Allows for easy removal of parking brake hold-down cup
- Designed to work in the confined area of the rear brakes so the job can be completed quickly
- Works on model year 2000 and newer Toyota® vehicles



7-PC. BRAKE WRENCH SET

- · Ideal for bleeding brake and hydraulic clutch systems without removing the wheels
- For universal bleeder nipples
- · 3' Silicon hose with check valve for one-person brake bleeding



BT97841A

COLOR-CODED DISC BRAKE LINING GAUGE

- Easily identifies if pads are still good (green), should be watched (yellow), or need replacement (red)
- · Excellent for your customer to understand why a brake job is necessary



HANDY PACKER **BEARING PACKER**

- · Quickly flushes out old grease and re-packs bearings with less mess
- Fits bearings up to 3-1/2" O.D.



L44210

UNIVERSAL PARKING BRAKE TOOL

- · Allows you to compress the emergency brake cable spring with one hand
- Keeps one hand free for brake shoe arm or lever replacement



L44220

PARKING BRAKE CABLE RELEASE TOOL

- · Pushes cable out of the connector on domestic and import vehicles that use a parking brake cable at the rear wheels
- Includes drum brake applications and most rear disc brake vehicles





DDRG465

DIGITAL DISC ROTOR/BALL JOINT GAUGE

- Resolution: 0.0001."/0.001mm
- RS232 output
- · Checks ball joint wear and disc rotor run-out
- Indicator mounted on flex-arm
- Meets DIN 878 specification
- Range: 0-0.5" (0-12.7mm)



BDR6980

BRAKE DRUM AND ROTOR PULLER

- · Easily used for tough pulls where there is little access to insert the jaws
- Spread to 12-3/4" and 5" of reach
- 7-Tons of force, yet weighs less than 10-lbs.
- Use with air tools to reduce time and fatigue



BP6596

DISC PAD MEASURING TOOL

- · Color coded brake pad gauge allows for a definitive measurement of brake pads to determine remaining life
- · Unique design allows for measurement on the vehicle without the removal of any components



SA5056

SLACK ADJUSTER PULLER

- Designed to service all S-cam air brake slack adjusters on the market
- Works on Rockwell®, Haldex®, Gunite®, and Bendix® automatic adjuster



TDG479

TIRE TREAD DEPTH GAUGE

- Measures the depth of remaining tire tread in 1/32" increments
- · Flat "probe" fits and measures depth of "sipes" (narrow slits in main treads)

INCLUDES:

(1) Handy Pocket Clip



TDG500

DIAL TYPE TREAD DEPTH GAUGE

- Heavy-duty
- · Large easy-to-read dialcalibrated in 1/32" increments

INCLUDES:

[1] Soft Case to Protect the Gauge



DTDG2

DIGITAL THREAD DEPTH GAUGE WITH FRACTIONS

- Large LCD display
- · Zero setting at any position
- Inch/Metric/Fractions system interchange
- · Manual power on/off
- · Suitable for tread depth, brake shoe, and pad wear

TUBING CUTTERS TUBE CUTTERS AND BENDERS



180° TUBE BENDER

 All metal multi-purpose 180° tube bender for 3/16", 1/4", 5/16", and 3/8" O.D. tubing

TUBING BENDER PLIERS

• Bends 3/16", 1/4", 5/16", and 3/8" copper and steel tubing without kinking or collapsing

(2) Investment Cast Adapters

3/16" TUBING BENDER PLIERS

- Bends 3/16" brake lines in tight spots without kinking or flattening
- Bends all types of 3/16" O.D. tubing
- Head design bends tubing without collapsing the tube or marking the tube surface
- Handles are more than 3-1/4 apart for proper leverage, even when handling steel tubing



TC030

TUBE CUTTER 3/8" - 1-1/8"

- · Heavy-duty mini cutter designed for applications with limited work space
- Cuts copper, aluminum, brass, thin wall steel, and stainless steel tubing
- Cuts tubing 3/8" to 1-1/8" in diameter

70034-1

REPLACEMENT CUTTING WHEEL FITS TC030



TCM130B

TUBING CUTTER 1/8" - 5/8"

- · Heavy-duty mini cutter is designed for applications with limited working space
- · Cuts copper, aluminium, brass, thin-wall steel, and stainless steel tubing 1/8" - 5/8"



TC126A (NOT SHOWN)

TUBING CUTTER 1/8" - 1-1/8"

- · Cuts copper, aluminum or thin-wall steel
- · Makes right angle cuts with no burrs or chips

TCW030

REPLACEMENT CUTTING WHEEL FITS TCM130B

AC70089A (NOT SHOWN)

2-PC. TUBE CUTTER KIT

INCLUDES:

- [1] TC126A 1/8" 1-1/8"
- [1] **TCM130B** 1/8" 5/8"

TCW062

REPLACEMENT CUTTING WHEEL FITS TC126A

TC375A **RATCHET-STYLE TUBE CUTTER 1/8" - 3/8"**

- · Cuts copper, plastic, and PVC pipe in dimensions from 1/8" - 3/8" (3.2mm - 9.5mm)
- Durable, high-impact fiberglass handle is lightweight and strong
- · Easily adjusts to fit pipe





FLARING TOOLS BRAKE LINE SERVICE



AC72475

UNIVERSAL HYDRAULIC FLARING TOOL KIT

- Fabricates push-connect 1/4," 5/16," and 3/8"; GM $^{\odot}$ fuel line flares, brake lines and transmission 5/16" and 3/8"; flare/double flare 3/16," 1/4," 5/16," 3/8," and 1/2"; metric bubble flare 4.75mm, 6mm, 8mm, and 10mm
- · GM® fuel line flare and brake lines



AC72480

37 FLARING AND DOUBLE FLARING HYDRAULIC TOOL KIT

- Fabricates factory style 37° and 37° double flare found on aviation and specialty automotive applications
- Hand-held hydraulic pump operates easily with all steal and light stainless tubing
- Includes: 3/16, 1/4, 5/16, 3/8, and 1/2" dies 3/16, 1/4, 5/16, 3/8 and 1/2" double flare adapters and 37° Cone



FS241M METRIC BUBBLE FLARE KIT

• Designed for crack-free bubble flares on soft wall tubing

SIZES

4.75, 6, 8, and 10mm Adapters



FS242

COMBO FLARING TOOL KIT

 Works on aluminum, copper, and soft steel tubing

INCLUDES:

All Adapters and Tools Necessary for Single and Double Flaring (Standard and Metric)

(1) ISO Bubble Flare

Not recommended for use on stainless steel



FT158B DOUBLE FLARING TOOL

- Flares soft steel and copper tube
- Includes five adapters: 3/16", 1/4", 5/16", 3/8", and 1/2"
- Reamer to remove burrs
- Forged wing nuts for strength

FLARING TOOLS BRAKE LINE SERVICE



HT165

MASTER IN-LINE FLARING SET

- In-line flaring tool's unique design locks the adapters, cone and tube in a perfect line making perfect factory flares every time with less risk of breaking adapters
- · Clamp and set screws put pressure directly over the tube you greatly reduce the chance of the tube slipping from the clamp
- Flares can be achieved along frame rails or in tight areas
- Slender low profile design

3/16", 1/4", 5/16", and 3/8" Double and Single Flares; 4.75mm, 6mm, and 8mm Double, Bubble, and Single Flares



FT166

IN-LINE FLARING TOOL KIT

- · Combines features of inline flaring tool and a hydraulic flaring tool to make a lightweight, low profile, and affordable tool
- Increased ease-of-use compared to both hydraulic type and traditional flaring tools
- · Fits into tight access areas allowing on car use
- Does single, double, and bubble flares with the option to expand into quick connect fittings

HTBFT **BRAKE LINE FLARING** TOOL 3/16" X 4.75MM

- Flares 3/16" and 4.75mm tubing for Bubble or double flares
- · Easy grip handle makes flares on the vehicle easy
- · Easy line up hole for the tubing



METRIC DOUBLE FLARE TOOL

- Will flare soft steel and copper tube
- · Features forged wing nuts for strength

- (1) Reamer to Remove Burrs from Cut Tubing
- (5) Adapters 4.75, 5, 6, 8, and 10mm

MHD5081 S-CAM AIR BRAKE **SPRING TOOL**

- · Safely replace brake shoes on heavy-duty tractors and trailers
- Hooks the retaining spring loop and press down against the axle



L49100

SINGLE-SPRING BRAKE PRY BAR

- · Hook to grab onto the spring while the tool tip is used as a fulcrum to pry the spring free
- Used to re-install the spring also



BRAKE SPRING TOOLS BRAKE TOOLS

"C" RING BRAKE PLIER SET

- Removes rear brake shoe C-rings
- (1) "C" Ring Emer-Brake Remover Tool(1) "C" Ring Emer-Brake Installer

BST1058

DRUM BRAKE SPRING WASHER TOOL

- · Universal application for most drum brakes
- Special neck angle provides easy removal and installation of brake spring washer
- Slotted gripping surface provides
- · Padded handles allow comfortable grip

BSP592

TRUCK BRAKE SPRING PLIERS

· Designed to remove and install the brake shoe return springs on medium-duty and heavy-duty drum brakes

BST4510

BRAKE SPRING TOOL

- Designed for import car brake return springs
- · Removes and installs import and domestic brake springs that don't use an anchor pin

L44800

HEAVY-DUTY BRAKE SPRING TOOL

- · Removes and installs larger springs that don't use an anchor pin
- · Also works on springs with an anchor pin

BST5000

SINGLE SPRING BRAKE TOOL

- · Releases tension on both large and small GM® single-spring brakes during servicing
- · Two-piece design fits larger single springs found on Chevrolet® Colorado® and some Silverado® models

BRAKE SPRING TOOLS BRAKE TOOLS

S14AP

15/16" BRAKE SHOE RETAINING SPRING COMPRESSOR

- For Bendix® brakes
- Larger Bendix® springs

L48400

BRAKE CLIP TOOL

 For import cars with brake shoe hold-down clips

S13P

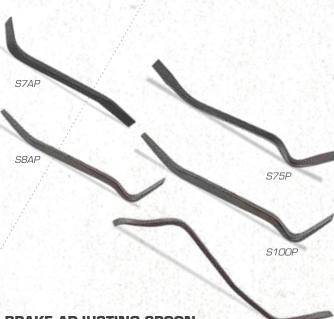
BRAKE SPRING TOOL

- Use for Bendix® hydraulic brakes and other springs
- Socket end fits over post
- Turn handle to put on or take off spring



BRAKE BLEEDER WRENCH

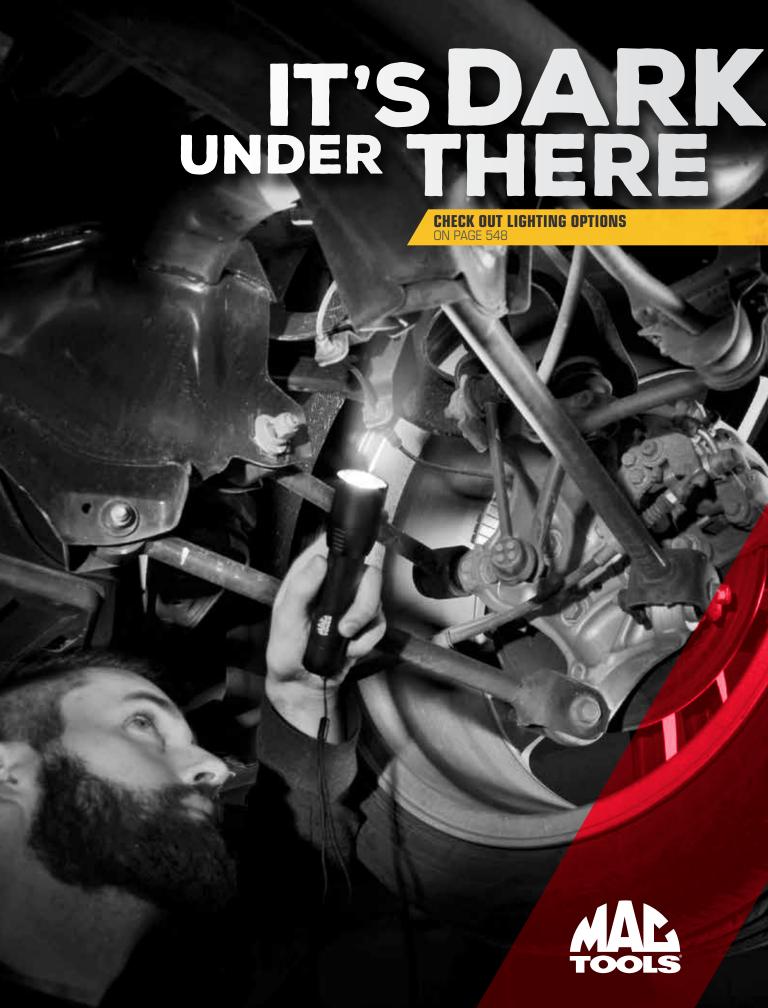
PRODUCT #	APPLICATIONS	BEND	POINT Size	SIZE	ARM LENGTH IN. / MM
S212P	GM® and Toyota®	90°	6	8mm, 10mm	8mm: 4-1/2" / 114.3 10mm: 4-1/2" / 114.3
S222P	Honda®, Nissan®, and GM®	45 °	6	8mm, 10mm	8mm: 1-11/32" / 34.1 10mm: 1" / 25.4



BRAKE ADJUSTING SPOON

PRODUCT #	BLADE WIDTH IN. / MM	MAKE	OVERALL LENGTH IN. / MM
S7AP	1/2" / 12.7	Chevrolet®	6" / 152.4
S8AP	17/32" / 13.5 3/8" / 9.5	_	7" / 177.8
S75P	17/32" / 13.5	Oldsmobile®	9" / 228.6
S100P	3/4" / 19	_	9" / 228.6
S181P	1/2" / 12.7	Trucks	16-3/4" / 425.5

S181P







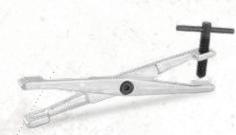
PISTON PRESS

- · Used for pressing in dual brake pistons and single brake pistons
- Universal application for most cars, light and heavy trucks
- Single piece operation eliminates nuts and bolts to assemble and disassemble on brake assemblies



DISC BRAKE PAD SPREADER

- · For installing pads on most domestic and import cars and light trucks
- · Tool compresses disc brake piston for easy pad installation



BP7034A DISC BRAKE PAD SPREADER

· For standard and four-piston calipers



L30600 CV BOOT CLAMP PLIERS

- · A special boot clamp crimping pliers that is designed to work in confined spaces
- Work from the side with the head turned 90° unlike traditional tools that work from the end



CVB3080 CV BOOT CLAMP **PLIERS EAR-TYPE**

- For all ear-type clamps, including late model Designed for use on earless-type GM® front wheel outboard CV joints
- May be used with 1/2" torque wrench and breaker bar to crimp late model GM® outboard CV boot clamps to specification



CVB3050 **CV BOOT CLAMP PLIERS EARLESS-TYPE**

clamps, including those found on late model GM® inboard CV joints

798







BP488A

DUAL BRAKE PAD SPREADER

- · Single and dual piston calipers
- · Works on most single piston calipers



UPS700

UNIVERSAL PAD SPREADER

- · Handles single and dual piston applications
- · Slide action increases range of tool over existing items



4-IN-1 BRAKE CALIPER PRESS

- · Works on single, dual and quad calipers
- Centrally distributes force to prevent misalignment of pistons
- 360° Ratchet swing allows access at any angle
- · Extended reversing lever allows for easy change from spreading to retracting



BPS70915

4-IN-1 BRAKE PAD SPREADER

- For both fixed and floating calipers
- · Fixed calipers: Twin and quad piston
- Floating calipers: Single and twin piston
- Ensures parallel piston retraction on dual and quad piston calipers
- Single lever mechanism used to apply and release force for ease of operation and faster service



DBPS257

DUAL PISTON BRAKE PAD SPREADER

- · Compresses dual brake pistons simultaneously
- · Makes dual piston pad replacement a simple job



BHS2

2-PC. BRAKE CALIPER HANGER SET

- · Hold brake calipers out of your way during brake, bearing, or suspension work
- · Make the jobs easier and faster, and reduce possible brake hose damage



L29350

4-PC. COMBINATION **DISC BRAKE TOOL**

- · Designed to work on single piston disc brake calipers that require the piston to be rotated back into the caliper, as well as pistons that are not rotated
- · Shaft may be rotated both directions depending on the vehicle application
- Turn with 9/16" wrench or socket



L29100

QUICK QUAD PAD SPREADER

- Spread brake pads and compress disc brake pistons for pad replacement on single, double, and quad piston calipers
- · Simultaneously compress all four pistons on quad piston applications
- Can be used while caliper is on the vehicle or hanging free
- · Makes brake pad replacement a quick and easy job



BPS243

SPEEDY BRAKE PAD SPREADER

- Fast acting plunger compresses disc brake pistons in seconds
- Makes brake pad replacement an easy job

BRAKE PAD TOOLS PAD SPREADERS



75780470

7/16" AUTOMATIC SLACK ADJUSTER WRENCH

- Brake adjustment on heavy-duty trucks equipped with Haldex slack adjusters
- Extra long handle provides comfort while overcoming the anti-reverse mechanism [22-25 Ft/lbs.]

85690470

9/16" AUTOMATIC SLACK ADJUSTER WRENCH

- For brake service and slack adjuster installation on heavy-duty trucks equipped with Bendix[®]
- Extra deep hex allows reach to recessed adjusters

46510470 AUTOMATIC SLACK ADJUSTER RELEASE TOOL AND WRENCH

- For use with automatic slack adjusters
- Fork-end tool to release the tensioner button, and a 5/16" double square offset reversible wrench with E-Z Grip handle
- Releases the anti-reverse mechanism without prying
- Apply more turning power with less fatigue to the hand



BBWS3

3-PC. BRAKE BLEEDER WRENCH SET - 6-PT.

- Offset design enables fastening and loosening brake bleeder valves in confined areas
- Extra thickness on wrench wall enhances coverage on bleeder valves, preventing undesired brake-off on rusty bleeder screw
- Double ended with sizes in metrics and inches for most common vehicles



BCTBT

BRAKE CALIPER TURN-IN TOOL

- Designed to rotate brake pistons back into the caliper on vehicles with self adjusting parking brakes
- · Adjustable 2 and 3-pin configuration
- Fits on a standard 1/4" drive and works on both right and left-hand pistons
- Works on most domestic and import vehicles that have self-adjusting parking brakes

Images are the 2 sides of the same tool



DBS335

DISC BRAKE PISTON TOOL

- Six adapters on one tool
- · American and foreign car applications
- Not for use with air impact tools



BRAKE CALIPER TOOLS

DBC18C

BRAKE CALIPER SET

- · Assists in the replacement of brake pads
- Includes adapters for a wide variety of vehicles for most domestic and import models
- Blow-molded case



BCS700

7-PC. DISC BRAKE CALIPER SET

- Ideal for most brake applications
- S2 Industrial Strength Bits

INCLUDES:

Hex Sizes 1/4", 5/16", 3/8", 8mm Plus T40, T45, and T50

(1) Blow-Molded Case

DBC2500MA

DISC BRAKE CALIPER TOOL SET

- Rotates pistons into calipers
- Includes adapters for a wide variety of vehicles for most domestic and import models



BRAKE BLEEDERS BLEEDER TOOLS



ONE MAN BRAKE **BLEEDER HOSE**

- · Removes air from brake system one wheel at a time and eliminates the need for an assistant to help do the job
- Hose easily attaches to bleeder screw, which holds hose in place and prevents leaking
- · Check-valve on end of hose prevents air from entering brake system when pumping brake pedal
- Product dimensions: 7-13/16" x 3-1/8" x 1-5/8"



BB2000

BRAKE BLEEDER/EVAC

- · Variable thumb throttle holds desired flow rate
- Swivel air inlet for flexibility of movement
- Auto shutoff valve prevents overfilling
- · Bleeds up to two quarts per minute

INCLUDES:

- (1) Fluid Evacuation Wand for Draining Fluid Reservoirs, Adapters
- (1) Brake Fluid Refill Kit
- (1) Hook for Hanging Bleeder



BB2010RK

CLAMP-ON AUTO REFILL KIT

- · Large 40 oz. [1:2L] capacity reservoir holds enough fluid for multiple brake jobs
- Adapters for standard 12 oz. (355 ml) and 32 oz. [946 ml] brake fluid bottles
- · Large stable base clamps securely to the master cylinder
- · Universal design fits virtually all types of master cylinders
- Automatically maintains the level of new brake fluid in the master cylinder while vacuum bleeding brake and hydraulic clutch systems



PBT70852

800ML VACUUM BRAKE BLEEDER KIT

- Uses compressed air to generate deep vacuum to bleed old fluid and air from hydraulic brake systems
- · Reduces repair times increasing productivity and profit
- · Built-in safety valves to prevent accidental fluid spray and spillage
- · Internal shut off valve closes when not in use to prevent fluid spills when stored
- Clear drain hose provides visible inspection of old fluid during bleeding
- Vacuum: 23 InHg at 100 psi
- Fitting: 1/4 BSP (not included)



THX803X

UNIVERSAL MASTER CYLINDER BLEEDER KIT

- · Fits domestic or metric master cylinder threaded fittings
- Aluminum fittings tightly seal both ISO and inverted flair master cylinder ports



MV6842MAC

PRESSURE BLEED SYSTEM

- · Forces new brake fluid down through the master cylinder while air and old fluid are expelled through the bleed screw
- Pressure gauge and pressure relief valve on the dispenser allow control of the system pressure
- Pressurized reservoir allows hands-free movement to the bleed screws
- · Includes used fluid pressure bleed reservoir

INCLUDES:

- (1) Fluid Dispenser
- (7) Master Cylinder Adapters







BRAKE LATHE TOOLS



BDT69SA

NATURAL RUBBER ROTOR SILENCER BAND AMMCO®

- · Natural rubber and lead weights
- 31" Long
- · For ventilated rotors



BDT68SA

NEOPRENE SILENCER BAND AMMCO®-TYPE

· Adjustable silencer band made of neoprene



FLUID SYRINGE

- Manual-opertaion design transfer pump
- · Viton seal is suitable for diesel, AdBlue, and low-corrosive fluid
- Transparent composite syringe body is scaled for tracking fluid levels transferred

FS200CC 200CC FLUID SYRINGE

- · Transparent to see fluid
- Suitable for fluid suction and supply
- · Composite plastic resists automotive liquids including brake fluid



BHC96420

2-PK. BRAKE HOSE CLAMP

- Chrome-plated steel construction
- · Clamps off hoses without damage



RMFH120Z25

FLEX HONE FOR ROTORS MEDIUM 120-GRIT

- Non-directional pattern
- · Removes the cut, torn, and folded fragments from the surface



BDT407-10SA

10-PK. POSITIVE RAKE CARBIDE BITS FMC 90487

• Triangular carbide insert has three cutting edges by rotating the insert



BDT062-10SA

10-PK. NEGATIVE RAKE CARBIDE BITS AMMCO® 6914-10

• Triangular carbide insert has three cutting edges by rotating the insert



GREAT TO WORK WITH

19 STEERING AND SUSSIBLE OF THE STATE OF THE







CAR BALL JOINT

- **SERVICE MASTER KIT** · Removes and installs pressed-in ball joints
- Complete master set with over 50 adapters
- · Covers domestic and import vehicles
- Manuals cover vehicles through 2008
- Comprehensive Application Guide with diagrams and instructions
- · Upgrade kits available





BJ530 BALL JOINT SUPER SET

· Allows for the removal and installation of press-fit ball joints on many GM® and Ford® light-duty trucks, vans, and SUVs through 2003; Dodge® light trucks through 1998; Dodge® vans, Durango, and Dakota through 2003; and Honda® Accord, Civic, del Sol, and Prelude through 2001



BJ031 CHRYSLER®/JEEP® 4X4 **BALL JOINT SERVICE SET**

- · A complete set of adapters and special large C-frame to remove and install ball joints on most Chrysler®/Dodge® light-duty trucks, 1999-2006 and Jeep® Cherokee, Grand Cherokee, Wrangler, and Liberty vehicles, 1997-2006
- Large C-frame, 19 adapters, and replaceable forcing screw tip to allow the use of the adapters in the BJ530 kit to be used for other applications



BALL JOINT/U-JOINT PRESS

· Removes and installs pressed-in ball joints and U-joints

- (1) Receiver Tube: 3" O.D. x 2-3/4" I.D.
- [1] Receiver Tube: 2-1/2" O.D. x 2-1/4" I.D.
- [1] Receiver Tube: 2" O.D. x 1-3/4" I.D.
- (1) C-Frame
- (2) Adapter Plates
- (1) Blow-Molded Case



BALL JOINT COLLAR SOCKET

- · Special socket designed for easy removal and replacement of ball joint collars
- Use on most Chevrolet®, Ford®, and Dodge® trucks
- Drive size: 1/2" square



4WD BALL JOINT PRESS ADAPTER SET

- Use with the BJ7025MA ball joint press
- Works on 1967 to 1994 1/2- and 3/4-ton 4WD vehicles with Dana 44 front axles
- Dana 44 front axles are found on Ford®, GM®, Dodge®, IHC, and Jeep® 4WD vehicles

STEERING + SUSPENSION TIE ROD TOOLS



UJP904

AUTOMOTIVE U-JOINT PULLER

- For disassembling seized U-joints in minutes on many cars, light-duty trucks and farm machinery
- Eliminates vise-and-socket or hammering methods
- Reduces risk of damage to the driveshaft, yokes, joints or bearing cups
- For U-joints with bearing cups 1" to 1.25" outside diameter



UJP907

INTERMEDIATE U-JOINT PULLER

- · Heavy-duty solution for disassembling U-joints, including many which are seized and stubborn, in minutes on many Class 7 and 8 trucks and machinery
- Engineered for use with up to a 1" impact tool
- · Alternative to vice and socket, or hammering removal methods
- · Helps to prevent damage to the driveshaft, yokes, joints, or bearing cups
- · One-piece unit without bolts, cables, or assembly required



29910TRTS

SMALL UNIVERSAL TIE ROD TOOL

- · Quickly removes and installs tie rod ends with a 1/2" or 27mm wrench
- Specially disigned with three rolling cams to tightly grip tie rod ends
- Accomodates 28mm 35mm tie rod ends, for smaller European and Asian vehicles



29910TRTL

LARGE UNIVERSAL TIE ROD TOOL

- · Quickly removes and installs tie rod ends with a 1/2" or 27mm wrench
- Specially disigned with three rolling cams to tightly grip tie rod ends
- Accomodates 35mm 45mm tie rod ends, for larger European vehicles









FE6295A

FRONT END SERVICE TOOL SET

· Ideal for servicing of ball joints, pitman arms, and tie rods on most vehicles

INCLUDES:

- (1) Universal Tie Rod Remover
- (1) Ball Joint Separator
- (1) Outer Tie Rod Remover
- (1) Pitman Arm Puller
- [1] Pitman Arm/Tie Rod End Puller



AT225

TIRE ROD END SOCKET

- · Universal application
- · Designed to facilitate remove of tie rod ends
- · After separating the tie rod end from steering knuckle, slip tool over tie rod end and remove
- · To install, slip tool over the tie rod end and thread onto tie rod shaft
- WARNING: Always wear safety eyewear when using this product



ITR48260

MASTER INNER TIE ROD TOOL KIT

- Fits many applications on cars and light trucks
- Crowsfeet sizes: 29mm, 1-3/16", 1-1/4", 32.5mm, 1-5/16", 33.6mm, 1-3/8", 1-7/16", and 1-1/2"



ITR946

INNER TIE ROD REMOVAL TOOL

- · Turns smooth tie rods easily
- Simply slide tool over the end and tighten collar to allow access with an extension
- · Can remove inner tie rod without removing the outer tie rod
- · No more bulky tool to store
- · Inexpensive and effective way to turn these smooth tie rod ends



SCH11880

HEAVY-DUTY PITMAN ARM POPPER

- Fits into confined spaces
- Efficiently remove large Pitman arms on 2- and 4-wheel-drive 3/4 to 1 ton Ford®, Dodge® and Chevrolet® pickup trucks
- Designed to require less torque and space than some other designs on the market, saving you time
- · Constructed of heavy-duty, forged chromoly steel for multiple applications

STEERING + SUSPENSION PITMAN ARM AND HUB PULLER



PA301

PITMAN ARM PULLER SET

- Two conical style pullers work on most compact, mid-size, and full-size cars, and many light-duty trucks
- Convenient storage solution

A special puller designed to remove the pitman arm on the following light-duty trucks without removing the steering box from the vehicle

PRODUCT #	DESCRIPTION	APPLICATIONS	SIZE	SET
PA301	Pitman Arm Puller Set			
PA6496	Pitman Arm Puller	Domestic SUVs and Light-Duty Trucks	-	•
OTC8149	Conical Pitman Arm Puller	Compact and Intermediate Cars	3/4"-16 x 4-3/4" Forcing Screw	•
MACPA150	Conical Pitman Arm Puller	Domestic Cars and Light-Duty Trucks	3/4"-16 x 4-3/4" Forcing Screw	•

MACPA150 **CONICAL PITMAN ARM PULLER**

- Designed to fit Pitman arms on domestic cars and light-duty trucks
- · Conical design fits securely on Pitman arm
- 3/4-16 x 4-3/4" Forcing screw provides enough power to remove stubborn Pitman arms







LP68800

LOW-PROFILE PITMAN ARM REMOVER

- Fits in the confined spaces found on many GM® 1988-2000 C/K chassis trucks and SUVs, as well as 2001 to present trucks and SUVs with a steering gear box
- Forged chromoly steel construction for maximum strength in a compact design
- Eliminates the need to remove the steering box on some vehicles during Pitman arm replacement ?



PP642A PITMAN ARM PULLER

- Designed to handle the toughest pitman arm pulling jobs
- Two-clamp bolts lock jaws to pitman arm for positive grip leaving hands free for pulling



PA846B PITMAN ARM PULLER

- Universal puller eliminates need to use several types of pullers
- Forged of high-grade, heat-treated steel
- Heavy-duty center screw removes the most stubborn pitman arms



PP643A PITMAN ARM PULLER

• For passenger cars and light trucks up to 3/4-ton capacity

STEERING+SUSPENSION HOSE CLAMP PLIERS



LR1000 LONG REACH HOSE CLAMP PLIERS

- Special waffle-shaped design efficiently grips hose clamps without slipping
- Long and slim pliers 13" (330mm) can reach deep spaces in engine compartment easily
- Large round jaws allow for access to clamps from multiple angles
- Pliers can reach confined spaces easily, and work from various directions with few limitations

HCP650A

REMOTE-ACCESS HOSE CLAMP PLIERS

- · Locking feature frees hand
- Extra long reach for removal and installation of hard-to-reach hose clamps
- Fits hose clamps from 11/16" to 2-1/2" (18mm to 54mm)
- Precision-machined clamp at the end reaches where other pliers can't



REMOTE ACCESS HOSE CLAMP PLIERS

- Unique jaw design fits all typical automotive clamps up to 2" (50mm)
- Ratchet lock with slide guide Bi-material grips with cable snap feature extra-heavy duty 5/64" (2mm) cable
- Hose Clamp Pliers with flexible cable for remote access
- Works on the widest range of hose clamps



KC18A

HOSE CLAMP PLIERS

- For applying and removing spring clamps
- · Recess in jaws grips spring
- · Eliminates slip or twist



HC16200

3-PC. MOBEA HOSE CLAMP LOCK TOOL SET

- Designed to help technicians save time when removing and servicing engine hoses that are fastened with spring style clamps
- There are three sizes of clamp locks included in this kit, covering the range of hose clamps used on most engines
- No need to either unload a clamp, which can be difficult to reload, or leave pliers locked in place for the duration of the job
- Allowa technicians to keep the clamp loaded, freeing up pliers for the next clamp



PICK SETS

PHR950

2-PC. WIDE TIP LONG REACH HOSE REMOVER SET

- Long length ideal for removing hoses from hard-toreach fittings and clamps
- Wide, smooth tip design helps prevent punctures
- Straight remover designed to push hoses off
- · Curve of the hook remover is ideal for pulling hoses off

PHR900

2-PC. WIDE TIP HOSE REMOVER SET

- · Removes rubber hoses from fittings and clamps
- Wide, smooth tip design helps prevent punctures
- · Short remover designed to push hoses off
- Curve of the long remover is ideal for pulling hoses off

7-PC. MAC-GRIP™ RADIATOR PICK SETS - HI-VIS

 Specifically-designed for ease of access into tight or unique spaces, providing leverage in close quarters, positioning or retrieval of parts and easily maneuver around obstacles that otherwise would be troublesome

PRODUCT #	DESCRIPTION	BAR LENGTH IN. / MM	OVERALL LENGTH IN. / MM		SET	
PSR7DR	7-PC. Mac-Grip™ Radiator Pick Set - Hi-Vis - Red					
PSR7DG	7-PC. Mac-Grip™ Radiator Pick Set - Hi-Vis - Green					
PSR7DO	7-PC. Mac-Grip™ Radiator Pick Set - Hi-Vis - Orange					
RADP1D(R,G,O)	Mac-Grip™ Hose And Clamp Pick - Hi-Vis	6" / 152	10-3/4" / 273	•	•	•
RADP2D(R,G,O)	Mac-Grip™ Hose Puller - Hi-Vis	6" / 152	10-3/4" / 273	•	•	•
RADP3D(R,G,O)	Mac-Grip™ Offset Hose Pick - Hi-Vis	6" / 152	10-3/4" / 273	•	•	•
RADP4D(R,G,O)	Mac-Grip™ Long Reverse Offset Hose Pick - Hi-Vis	10" / 254	14-3/4" / 375	•	•	•
RADP5D(R,G,O)	Mac-Grip™ Long Bent Offset Hose Pick - Hi-Vis	10" / 254	14-3/4" / 375	•	•	•
RADP6D(R,G,O)	Mac-Grip™ Long Offset Hose Pick - Hi-Vis	10" / 254	14-3/4" / 375	•	•	•
SWL70D(R,G,O)	Mac-Grip™ 90° Hook And Pick - Hi-Vis	5" / 127	9-3/4" / 248	•	•	•

PSR7DR

SPEGIALTY TOOLS ALIGNMENT TOOLS



HG6575

HUB GRAPPLER®

- Complete solution for servicing wheel hubs and bearings on the vehicle without removing the steering components or knuckle, eliminating unnecessary alignments or the use of a shop press, cutting service time dramatically
- Specifically designed to apply maximum force with minimal effort from an impact gun
- Sized to properly fit hub applications and can be quickly located on the puller bar without the use of fasteners
- 3/4" Custom drive screw coupled with the special equalizer washer provides smooth operation while the proprietary heat-treating extends its life 5-10 times longer than similar designs
- Six adapters increase application coverage
- Includes tie rod/ball joint tool and two Ford® axle installers



HT90200

MASTER SPRING COMPRESSOR SET

- Master strut tool and the coil spring compressor
- Built-in safety pins
- 2-in-1 Tool

INCLUDES:

- (1) Spring Gauge
- (1) ACME Threaded Rod



RLT2800

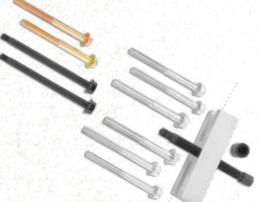
RATCHETING LOCKOUT TOOL

- Small end fits Ford® '86 and newer light trucks with Dana 44 front axle
- Large end fits '85 and newer Ford® F150-F350 trucks with Dana 80 full floating rear axle
- Use with 1/2" extension in conjunction with torque wrench

Not for impact use.



PRODUCT #	DESCRIPTION	SET
SWP800B	Master Steering Wheel Service Set	
SWP800B-1	4-Way Cross Block	•
SWP800B-2	5/16-18" Hex Range Screw	•
SWP800B-3	3/8-16" Hex Range Screw	•
SWP800B-4	M8-1.5 Hex Range Screw	•
SWP800B-5	5/16-24" Hex Range Screw	•
SWP800B-6	1/4-28" Hex Range Screw	•
SWP800B-7	Collar	•
SWP800B-8	Forcing Screw	•
SWP800B-9	Square Head Screw	•
SWP800B-10	Puller Leg	•
SWP800B-11	M14-1.5 Screw and Nut Washer	•
SWP800B-12	9/16-18" Forcing Screw	•
SWP800B-13	Pivot Pin Remover	•
SWP800B-14	Compressor Large	•
SWP800B-15	Compressor Medium	•
SWP800B-16	Compressor Small	•
SWP800A-12	Screw for Telescopic Columns	•



SWP800B

SWP80A STEERING WHEEL PULLER SET

- · Removes steering wheels on most domestic or imported vehicles, with or without telescoping steering columns
- · Five pairs of cap screws are included to fit a variety of requirements



L39300

FRONT HUB/ KNUCKLE REMOVER

- Separates the frozen hub assembly from the steering knuckle on Dodge® and GM® pickups, Cadillac®, Jeep®, and other applications
- Contact is on the bolt flange, so the head of the retaining bolt is not destroyed
- Drives against loosened retaining bolts to separate assembly
- Prevents damage to the knuckle and complete hub assembly

ALIGNIVIENT TOOLS

L29090

2-PC. TRUCK ANCHOR PIN BUSHING DRIVER KIT

- Includes an 11-1/2" long driver that allows bushings to be driven straight without removing the hub assembly
- Double-sided cone snaps onto driver to drive out and install bushings
- Use flanged end to install and tapered end to remove
- Removes truck leaf spring bushings





TR899

MULTI-PURPOSE RACK WRENCH

- Services hex drive rack ends and round rack ends with either two or no flats
- Suits multiple rack ends and sizes
- Use on vehicles with limited access to avoid need to remove rack assembly
- Prevents damage to rack components
- · Clamp force increases as load is applied



PST22AB

POWER STEERING TESTER WITH BOX

INCLUDES

- (1) 2,000 Lbs. Gauge, 2.54" (68mm) Diameter
- (1) Metering Valve
- [1] 12" (304.8mm) Connection Hose
- (13) Adapters
- [1] Power Steering Pressure Specifications





TIE-ROD ADJUSTING WRENCH

- Permits 360° sleeve rotation
- Four-position feature for locating the tool for proper sleeve grip
 Services older models of compact
- and standard cars and light trucks

ALIGNMENT/HEAVY-DUTY **BOX WRENCHES**

PRODUCT #	OVERALL LENGTH IN. / MM	POINT Size	SIZE
S67P	19" / 486.2	12	3/4" Offset
S77P	20" / 508	12	15/16" Offset



PARP9

LOCKING PARROT PLIERS - 9"

- Unique shaped jaws allow pliers to grasp a multitude of objects, regardless of shape
- Ideal for standard fasteners, suspension components, tie rods, and rounded off bolts

TR6275A

TIE ROD/PITMAN ARM ADJUSTING TOOL SET

- For compact or full size cars and light trucks
- Permits 360° rotation of adjusting sleeve
- Leverage easily applied by 1/2" ratchet or breaker bar

PRODUCT #	DESCRIPTION	SLEEVE DIAMETER	APPLICATION	SET
TR6275A	Tie Rod / Pitman Arm Adjusting Tool S	et		
FT-86A	Tie Rod/Pitman Arm Adjusting Tool	3/4"	Compact Cars	•
FT-86B	Tie Rod/Pitman Arm Adjusting Tool	7/8"	Full Size Cars	•
FT-86C	Tie Rod/Pitman Arm Adjusting Tool	1-1/8"	Light Trucks	•
FT-86D	Tie Rod/Pitman Arm Adjusting Tool	1-7/16"	Ford® 3/4-Ton	•
FT-86E	Tie Rod/Pitman Arm Adjusting Tool	1-13/16"	Ford® 3/4-Ton and 1-Ton Trucks	•



ALIGNIVIENT TOOLS STRUT AND SPRING COMPRESSORS



COIL SPRING COMPRESSOR

- Features ACME threads on central rod
- Central rod allows fast compressionand single turning action
- Tool fits inside spring to compress
- Operates with wrench, hand, or air ratchet



MS629A

MACPHERSON STRUT SPRING COMPRESSOR

• Center screw uses ACME threads for strength and ease of operation



MACPHERSON STRUT SPRING HOOK COMPRESSOR

- · Wide coil contact design and special detent latch
- · Heat-treated alloy thrust screw with forged hooks



MS7560

SPRING COMPRESSOR

- · Fits a wide range of struts and no special adapter shoes are needed
- Tool compresses springs of 4" to 9" O.D. with wire diameters of 7/16" to 11/16"
- · Can be driven by an impact wrench



PFK4150A

5-PC. STEPPED PICKLE FORK KIT

- Ideal kit for separating ball joints, steering dampeners, tie rods, Pitman arms, and other heavy-duty chassis and suspensions
- · Stepped fork design greatly reduces bounce back during heavy use
- Complete set includes three stepped forks and two handles; one for hammering and one for use in an air hammer [.401" shank]
- Heavy-duty steel alloy forks withstand abuse and can be sharpened over the life of the tool

818









L41440

5-PC. STEPPED PICKLE FORK KIT

- Step design on forks keeps the tool from bouncing back when separating ball joints, steering dampeners, tie rods, Pitman arms, and other applications
- Includes five forks, sizes 11/16" to 1-5/8", and two handles
- Forks are threaded to interchange with either handle: one handle for hammering, one for use with an air hammer (.401" shank)
- · Forks are heavy-duty forgings and handles are heattreated alloy steel



L41220

8-PC. THICK PICKLE FORK SET

- The 20% thicker fork design provides extra lift when replacing worn out ball joints, pitman arms, pickup track bars and other applications
- The set includes five forks: 11/16", 15/16", 1-1/8", 1-7/16" and 1-5/8"
- The forks are threaded to interchange with either the handle for hammering or the pneumatic driver (.401 Shank) and a 6-1/4" extension that works with either handle to provide extra reach
- The forks are heavy-duty forgings and the handles are heat-treated alloy steel

STEERING TOOLS STEERING PULLERS



PSPKITA

POWER STEERING PUMP PULLEY REMOVE AND INSTALL SET

- Remove and install a wide range of pulleys on Ford®, GM®, VW®, and Chrysler® vehicles with Saginaw, Thompson, and Ford® C111 and C2 power steering
- Includes adapters and spacers to install pulleys exactly to the right depth, from old Chrysler® alternators, to the latest models in all brands



GREASE JOINT REJUVENATOR

- · Opens clogged grease joints and fittings
- · Cleans and replenishes old and dirty grease fittings
- Loosens dried grease in joints
- · Cleans ways and stays in milling machines and lathes
- · Lubricates bearings on farm equipment and unclogs: bearings, control arms, joints, king pins, piston arms, packaging, shaft, and bushing



GGC05031

1/8" GREASE GUN COUPLER WITH BALL CHECK

- Zinc-plated 1/8" female pipe thread
- · Overall Length: 1-3/8" / 34.9mm



GGA890

NARROW NEEDLE-NOSE DISPENSER

- · Hardened steel tip and 1-1/2" length
- · Dispenses a fine line of grease to hard-to-reach areas
- Excellent for 4-wheel drive pickup CV universal joints



PP705A

POWER STEERING PUMP PULLEY REPLACER

- · Combination of tools needed to remove and install a wide range of power steering pulleys on Ford®, GM®, VW®, and Chrysler® vehicles with Saginaw, Thompson, and Ford® C111 and C2 power steering
- · Includes adapters and spacers to install pulleys exactly to the right depth, from old Chrysler® alternators to the latest models



PS681A

POWER STEERING ALTERNATOR PULLEY PULLER/INSTALLER

- Reversible 2-in-1 tool removes and installs press-fit alternator and power steering
- · Also removes and installs other press-fit pulleys with a hub diameter of 1-1/8" [28mm], 1-1/4" [32mm], 1-5/16" [34mm], or 1-3/8" [35mm]





SA670

3-PC. POWER STEERING **RESERVOIR ADAPTER KIT**

- · Helps eliminate trapped air following repairs or fluid changes
- Adapters form an airtight seal in the neck of a vehicle's power steering pump
- Used in conjunction with a hand vacuum pump; vacuum prevents foam from forming at the surface and air from reentering the system

820



GREASE GUNS



GG33HD **HEAVY-DUTY PISTOL-GRIP GREASE GUN**

- 16-oz. Bulk fill 14-oz. Standard cartridge
- 3-Way filling (bulk, cartridge, filler pump)
- Heavy-duty flexible 18" nylon hose and 6" metal spout for easy use
- Heavy-duty 1.7mm thick seamless barrel to avoid dents
- Aluminum head reduces the weight for easier use



GREASE GUN

- 16-oz. Bulk fill 14-oz. Cartridge
- 3-Way filling (bulk, cartridge, filler pump).
- Heavy-duty 1.7mm thick seamless barrel with textured finish
- ACME threads machined in barrel for better seal
- Aluminum head reduces the weight for easier use
- · Cushioned lever for comfort
- · Heavy-duty T-handle with finger grooves for easy use

INCLUDES:

- (1) Heavy-Duty Flexible 12" Nylon Hose
- (1) 6" Metal Spout



- All adapters utilize quick couplers
- · Blow-molded case

PRODUCT#	DESCRIPTION	SET
GGA8B	8-PC. Grease Adapter Set	
GGA810	Hypodermic Needle Coupler	•
GGA820	Seal-Off Dispenser	•
GGA830	Narrow Needle-Nose Dispenser	•
GGA840	3" Straight Needlepoint Coupler	•
GGA850	Needlepoint Coupler Right Angle	•
GGA860	Right Angle Tight Tolerance Coupler	•
GGA870	Grease Coupler	•
GGA880	16" Rubber Grease Hose with Spring Guard and 4-Jaw Coupler	•



GG53HD **HEAVY-DUTY SINGLE**

· Heavy-duty composite body

SHOT AIR GREASE GUN

- · Comfortable cushion-grip
- 3-Way loading (bulk, 14-oz. cartridge, filler pump)
- · Bleeder valve for purging unwanted air
- 2 ml Output per stroke
- 3600 psi Output pressure
- 40:1 Ratio

GG63HD CONTINUOUS **SHOT AIR GREASE GUN**

- Heavy-duty cast aluminum body for durability and long life
- Cushion-grip for comfort
- 3-Way loading (Bulk, 14-oz. cartridge, or filler pump)
- 288 ml/min of Output per stroke
- 3600 psi Output pressure
- 40:1 Ratio



GS19HD

HEAVY-DUTY SUCTION GUN

- Heavy-duty 1.7mm thick seamless barrel with textured finish
- 12" Clear flexible tube
- Heavy-duty T-handle with finger grooves for easy use
- · Capacity: 16-oz.



GREAT TO WORK WITHTM







MTS100AS **268-PC. MASTER SET 1**

Includes tools that are required to complete most basic repairs. Recommended set for new technicians in the industry.

INCLUDES:

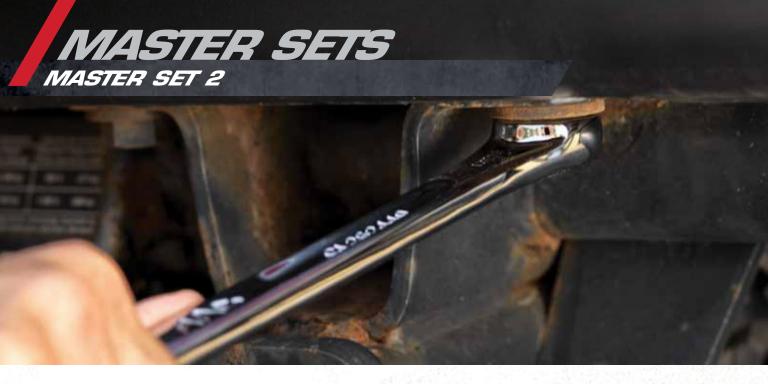
- 1/4", 3/8", and 1/2" Drive Selection of SAE and Metric Shallow and Deep Socket Sets
- · Selection of Screwdrivers, Hammers, Punches, Chisels, Wrenches, Pliers, and Much More
- *Contents are subject to change

PRODUCT #	DESCRIPTION
33-212	Stanley® Powerlock® Metal Case Tape Rule
AW3SETA	3-PC. Precision Adjustable Wrench Set
BH16AV	AntiVibe® Ball Peen Hammer
CH24DFB	Compo-Cast® Soft Face/Brass Head Hammer
PBS3CR	3-PC. Curved Pry Bar Set 12", 15", and 31"
DH193AV	3-Lbs. AntiVibe® Drilling Hammer
DT150-38CV	Digital Tire Gauge with Straight Chuck
FCHD1B	Heavyweight Fender Cover
FL431A	Rechargeable Pro LED Flashlight
PS5SCST	5-PC. C.S.T. Small Pliers Set
HS30-I	Compact Hacksaw
HSB1224A-I	Hacksaw Blade
LP4SET	4-PC. Locking Pliers Set
M1EK	Knurled Extension
M3U	Universal Adapter
M4EK	Knurled Extension
MGEK	Knurled Extension
MR5K	1/4" Drive 5" Ratchet
P11LRDCA	30° Offset Diagonal Cutter
PC12PTSS	12-PC. Punch and Chisel Set with Gauge in Kit Bag
RM32A	Rubber Mallet
SDB12DR-S	12-PC. Mac-Grip [™] Combination Red Screwdriver Set Soft Grip
SHKS13C	13-PC. SAE Speed Hex Key Set with Case
SHKSM9C	9-PC. Metric Speed Hex Key Set with Case

PRODUCT #	DESCRIPTION
SID13BA	13-PC. Impact Driver Set
SM106TR	10-PC. 1/4" Drive SAE Socket Set - 6-PT.
SMD82TR	8-PC. 1/4" Drive SAE Deep Socket Set - 12-PT.
SMDM102TR	10-PC. 1/4" Drive Metric Deep Socket Set - 12-PT.
SMM126BRPT	12-PC. 1/4" Drive Metric Non-slip Socket Set - 6-PT.
SRW0212PTB	12-PC. SAE Reversible Ratcheting Wrench Set - 12-PT.
SRWM0212PTB	12-PC. Metric Reversible Ratcheting Wrench Set - 12-PT.
SS4A	4-PC. Comfort-Grip™ Utility Tool Set
ST13B	13-PC. Torx® Driver Set
SV156TR	15-PC. 1/2" Drive SAE Socket Set - 6-PT.
SVM106BRPT	10-PC. 1/2" Drive Metric Standard Socket Set - 6-PT.
SX122TR	12-PC. 3/8" Drive SAE Standard Socket Set in Metal Tray - 12-PT.
SXD126BRPT	12-PC. 3/8" Drive SAE Deep Socket Set - 6-PT.
SXDM146BRPT	14-PC. 3/8" Drive Metric Deep Socket Set - 6-PT.
SXEK5PT	5-PC. Knurled Extension Set in Plastic Tray
SXM142TR	14-PC. 3/8" Drive Metric Standard Socket Set - 12-PT.
TCT15E	Multi-Purpose Electrical Cutter/Stripper
TDG479	Tire Tread Depth Gauge
TG400	Locking Straight-On Chuck
VR17K	1/2" Drive Knurled Pear Head Ratchet - 17"
VT43P	Tire Valve Core Tool
X3U	Universal Joint
XR1390LFPA	3/8" Drive AXIS™ Locking Flex-Head Ratchet - 13"
XR990APA	3/8" Drive 9" Ratchet
	16차 전 가입니다면서 되어 되는 중요하다 전한 일반 점점 점점







MTS200AS

418-PC. MASTER SET 2

Includes a wider selection of sizes, styles, specialized hand tools, and basic diagnostic tools to match a new technician's skill level.

INCLUDES:

- 1/4" and 3/8" Drive Ratchets, Extensions, and Socket Sets
- Specialized Socket Sets Such as Spark Plugs, Hex, and Torx®
- Scan Tool, Circuit Tester, and Torque Wrench
- 1/2" Drive Tools Like the Deep Chrome SAE and Metric Socket Sets, Extensions, and Ratchets
- Adds A Wider Selection of Screwdrivers, Hammers, Punches, Chisels, Wrenches, and Pliers

PRODUCT #	DESCRIPTION
BH08AV	AntiVibe® Ball Peen Hammer
CH15DS	Compo-Cast [®] Standard Dead-Blow Hammer
CH32DDS	32 oz. Compo-Cast® Double Diameter Hammer
DDC6027	Dual Graduation Dial Caliper 0-6"
ET111X	6/12V Circuit Tester
ET1505ANX	TaskConnect™ Trilingual OBD II, CAN, ABS, and Airbag Scan Tool
F187G8	C.S.T. Linesman's Pliers 8"
FD622	Flexible Spring Claw
FG002	25-Blade Universal Master Gauge
FL831	Flex Neck Flashlight
M10EK	Knurled Extension
M14EK	Knurled Extension
M24EK	Knurled Extension
M460G	Tongue and Groove Pliers
M6SA	1/4" Drive Spin Handle
MHT2	Super-Strength Magnetic Pick-Up Tool
MHTC2	Telescoping Inspection Mirror
MR6FK	1/4" Drive 6" Flex Ratchet
P22	8" 70° Bent Nose Pliers
P7WR	Pliers Wrench
PK1250	12-PC. Quarter-Turn Retaining Ring Pliers Set

PRODUCT #	DESCRIPTION
PSM4DR	4-PC. Mac-Grip™ Mini Pick Set
SADGT	6-PC. Adapter Set
SBDR123SA	123-PC. Mac-Grip™ Ratcheting 1/4" Hex Bit Driver Set
SBPL3PT	3-PC. Brass Punch Set in Plastic Tray
SCB7PTKS	7-PC. SAE Combination Wrench Set - 12-PT.
SFCM7PT	7-PC. Metric Combination Flare Nut Open End Wrench Set - 6-PT.
SFC7PT	7-PC. SAE Combination Flare Nut Open End Wrench Set - 6-PT.
SHKT9PT	9-PC. SAE T-Handle Hex Key Set
SHKTM8PT	8-PC. Metric T-Handle Hex Key Set
SLF3	3-PC. Lady Foot Line-Up Bar Set
SMF4KB	4-PC. Macsimizer™ Mill File Set
SMHB10KS	10-PC. Metric Combination Wrench Set - 6-PT.
SMH17PT	17-PC. 1/4" Drive SAE and Metric Hex Driver Set
SND7F	7-PC. Mac-Grip™ SAE Nut Driver Set
SND9M	9-PC. Metric Hollow Nut Driver Set
SMXTL8B	8-PC. Long Torx® Driver Set
SMXVE11B	11-PC. Inverted Torx® Driver Set
SPK9-SET	9-PC. Multi-Length Spark Plug Socket Set
SRWF28PTB	8-PC. SAE Flexible Box End Ratcheting Wrench Set - 12-PT.

PRODUCT #	DESCRIPTION
SRWMF212PTB	12-PC. Metric Flexible Box End Ratcheting Wrench Set - 12-PT.
ST12HB	12-PC. 1/4" and 3/8" Drive Tamper-Proof Torx® Driver Set
STTP25B	25-PC. Torx® and Torx® Plus Driver Set
SVD126BRPT	12-PC. 1/2" Drive SAE Deep Socket Set - 6-PT.
SVDM106BRPT	10-PC. 1/2" Drive Metric Deep Socket Set - 6-PT.
SVE5PT	5-PC. Extension Set in Plastic Tray
SXA7PT	7-PC. 3/8" Drive SAE Hex Driver Set
SXALB7PT	7-PC. 3/8" Drive SAE Long Speed Hex Driver Set
SXMA7PT	7-PC. 3/8" Drive Metric Hex Driver Set
SXMALB8PT	8-PC. 3/8" Drive Metric Long Speed Hex Driver Set
SXMU106TRA	10-PC. 3/8" Drive Metric Universal Socket Set - 6-PT.
TWX100FC	Micrometer Adjustable Torque Wrench
V24SFK	1/2" Drive 24" Breaker Bar
VR1890FK	1/2" Drive 18" Flex Ratchet
X12SFA	3/8" Drive 12" Breaker Bar
XR12K	3/8" Drive 12" Knurl Ratchet

^{*}Contents are subject to change





MTS300AS

170-PC. MASTER SET 3

Along with the first two sets, the third set continues to increase the size and style selection along with torque and electrical diagnostic tools.

PRODUCT #	DESCRIPTION
BH24AV	AntiVibe® Ball Peen Hammer
BRD129MA	Race Bearing and Seal Driver Set
BWS7B	7-PC. Ratcheting 1/4" Hex Bit Screwdriver Set
CH50DS	Compo-Cast® Standard Dead-Blow Hammer
ET302M	Fuse Buddy™ Mini Fuse
ET304B	Fuse Buddy™ ATC Blade Fuse
ET95910	3 x 10' Retractable Test Leads
M911G	9-1/2" Cable Cutters
MLP6SET	6-PC. Compact Locking Pliers Set
MR4C	1/4" Drive Mini Ratchet - 4"
MRRGFPA	1/4" Drive 6" Round Head Flex Ratchet with Comfort-Grip™
MRRSP	1/4" Drive Palm Control Spinner
MS3000	3-PC. Scraper Set
PCS1000K	12-PC. Chisel and Punch Set
PSL5DR	5-PC. Mac-Grip™ Long Pick Set
SCL11LKS	11-PC. SAE Extra Long Combination Wrench Set - 12-PT.
SCLLM102KS	10-PC. Metric Extra Long Combination Wrench Set - 12-PT.
SDL8CR	8-PC. Mac-Grip™ Long Combination Screwdriver Set
SDP4CR	4-PC. Mac-Grip™ Precision Combination Screwdriver Set
SHKTT7PT	7-PC. T-Handle Torx® Key Set

INCLUDES:

- 1/4" Drive Ratchets and A Chrome Universal Socket Set
- 3/8" Drive Ratchets, Extensions, and Specialized Socket Sets
- 1/2" Drive Hex Socket Set, Extra-Long Wrenches, Stubby Gear Wrenches, and Specialized Torx® T-Handle Wrenches
- Wider Selection of Screwdrivers (Picks and Scraper Sets), Hammers, Punches, Chisels, and Pliers (Locking And Electrical Pliers)
- Fuse Testers, A Soldering Torch, and A Wider Selection of Torque Wrenches in Inch and Foot Pounds
- *Contents are subject to change

PRODUCT #	DESCRIPTION
SMF6A	6-PC. Comfort-Grip™ Mini Combination File Set
SMMU92TRA	9-PC. 1/4" Drive Metric Standard Universal Socket Set - 12-PT.
SMXUT11HB	11-PC. Universal Tamper-Proof Torx® Bit Driver Set
SP57HB	Dual-Head Seal Puller
SPB3PT	3-PC. Pry Bar Set in Plastic Tray
SRPS4	4-PC. Knipex Snap Ring Pliers Set
SRPP6KSS	6-PC. Roll Pin Punch Set in Kit Bag
E111105	7-PC. SAE Stubby Ratcheting Wrench Set - 12-PT.
E111104	7-PC. Metric Stubby Ratcheting Wrench Set - 12-PT.
ST150B	Super Torch Soldering Kit
SVHM10PT	10-PC. 1/2" Drive Metric Hex Driver Set
SXEGEKLTQ	6-PC. 3/8" Drive Locking Extension Set
SXUE9B	9-PC. Universal Inverted Torx® Driver Set
TCT52E	Pro Cutter/Crimper/Stripper
TWM200A	1/4" Drive 30-200 in-lbs. Torque Wrench
TWV250FC	Micrometer Adjustable Torque Wrench
WSC665	Heavy-Duty Automatic Wire Crimper/Stripper
XR1390AFPAS	3/8" Drive AXIS™ Bent Locking Flex-Head Ratchet - 13"
XR1390LFK	3/8" Drive AXIS™ Locking Flex-Head Ratchet - 13"
XR5MK	3/8" Drive Mini Ratchet
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MTS400AS

204-PC. MASTER SET 4

Set four continues to build on the previous three sets and offers larger sockets and wrenches required for bigger jobs.

INCLUDES:

- 3/8" Drive Socket Sets in SAE and Metric Intermediated and Wobble Extensions
- 1/2" Drive Sockets to 1-9/16" in SAE and 30mm in Metric
- Wrenches With SAE and Metric Flare, Half Moon. and Large Adjustable Wrenches Up To 24"
- Screwdrivers Increase With The Addition of Mini, Tamper Proof, and Ratcheting
- · Pliers, Hammers, Punches, Chisels, and Files
- *Contents are subject to change

PRODUCT #	DESCRIPTION
AJ18B	18" Precision Adjustable Wrench
AJ24B	24" Precision Adjustable Wrench
BH32AV	AntiVibe® Ball Peen Hammer
CH24DFS	Compo-Cast® Soft Face/Steel Head Hammer
CL42R	1-5/16" Long Combination Wrench - 12-PT.
CL44R	1-3/8" Long Combination Wrench - 12-PT.
CL46R	1-7/16" Long Combination Wrench - 12-PT.
CL48R	1-1/2" Long Combination Wrench - 12-PT.
PB44CR	44" Capped End Pry Bar
CRS350	Seat Stool Combo
CR700N	18" Wide Creeper
DPL50KSS	5-PC. Long Tapered Drift Punch Set in Kit Bag
MB262KS	26mm Metric Combination Wrench - 12-PT.
MB272KS	27mm Metric Combination Wrench - 12-PT.
MB302KS	30mm Metric Combination Wrench - 12-PT.
MB322KS	32mm Metric Combination Wrench - 12-PT.
P20	7" High Leverage Diagonal Cutting Nipper
P210KN	10" Bent High Leverage Diagonal Cutter
PK6	6-PC. Cam-Lock Snap-Ring Pliers Set
PS4SJ	4-PC. Slip-Joint Pliers Set in Plastic Tray
SBE5B	5-PC. Torx® Box Wrench Set
SCHB8PT	8-PC. 3/8" Drive SAE Flare Nut Crowfoot Wrench Set with Holder

PRODUCT #	DESCRIPTION
SCHBM10H	10-PC. 3/8" Drive Metric Flare Nut Crowfoot Wrench Set on Holder
SC011KS	8-PC. 3/8" Drive SAE Short Open End Crowfoot Wrench Set
SDB12CR	12-PC. Mac-Grip™ Combination Screwdriver Set
SDT6PT	6-PC. SAE Thin Open End Wrench Set
SDTM5PT	5-PC. Metric Thin Open End Wrench Set
SB0L6K	6-PC. SAE Long 60° Deep Offset Box End Wrench Set - 12-PT.
SBODM52PTR	5-PC. Metric 60° Deep Offset Double Box End Wrench Set - 12-PT.
SMCOS10KS	10-PC. 3/8" Drive Metric Short Open End Crowfoot Wrench Set
SMRF4KB	4-PC. Macsimizer™ Round File Set
SP162	2-PC. 16" Gripper Needle-Nose Pliers Set
SR400	4-PC. Mini Snap Ring Pliers Set
SR4FA	4-PC. Fractional Stud Puller Set
SR4MA	4-PC. Metric Stud Puller Set
SD9TR	9-PC. Mac-Grip™ Torx Screwdriver Set
SDL7TPR	7-PC. Mac-Grip™ Tamper-Resistant Torx® Driver Set
SX146TR	14-PC. 3/8" Drive SAE Intermediate Socket Set in Metal Tray - 12-PT.
SXEW7PT	7-PC. Wobble Extension Set in Plastic Tray

PRODUCT #	DESCRIPTION
SXIM136TR	13-PC. 3/8" Drive Metric Intermediate Socket Set - 12-PT.
SXM186TR	18-PC. 3/8" Drive Metric Standard Socket Set - 6-PT.
V220MMR	1/2" Drive 20mm Socket - 12-PT.
V221MMR	1/2" Drive 21mm Socket - 12-PT.
V222MMR	1/2" Drive 22mm Socket - 12-PT.
V223MMR	1/2" Drive 23mm Socket - 12-PT.
V224MMR	1/2" Drive 24mm Socket - 12-PT.
V225MMR	1/2" Drive 25mm Socket - 12-PT.
V226MMR	1/2" Drive 26mm Socket - 12-PT.
V227MMR	1/2" Drive 27mm Socket - 12-PT.
V228MMR	1/2" Drive 28mm Socket - 12-PT.
V229MMR	1/2" Drive 29mm Socket - 12-PT.
V230MMR	1/2" Drive 30mm Socket - 12-PT.
V426R	1/2" Drive 1-5/16" Socket - 6-PT.
V446R	1/2" Drive 1-3/8" Socket - 6-PT.
V466R	1/2" Drive 1-7/16" Socket - 6-PT.
V486R	1/2" Drive 1-1/2" Socket - 6-PT.
V506R	1/2" Drive 1-9/16" Socket - 6-PT.





MTS500AS

189-PC. MASTER SET 5

- This set contains specialized tools used in the service and diagnosis of vehicles
- Set provides the fundamental specialized tools to service the following: radiator and coolant service; engine oil service diagnostics; ignition system diagnostics; fuel system service and diagnostics; brake system service
- In addition to service and diagnostic tools pullers, specialized Pliers, and tap and die sets are included
- *Contents are subject to change

PRODUCT #	DESCRIPTION
30505DSA	5-PC. Left-Hand Mechanic's Length Cobalt Drill Bit Set
AC70089A	2-PC. Tube Cutter Kit
BPKIT2	7-PC. Battery Kit
BPS243	Speedy Brake Pad Spreader
BT96152A	14-PC. Brake Tool Set
CT155A	Deluxe Compression Test Kit
DBPS257	Dual Piston Brake Pad Spreader
DCT414S1	Infrared Thermometer
EM710	Digital Multimeter with Backlit Display
ET76562	COP Quick Probe VS
FIP76462	Universal EFI Quick Probe
FIT1200MS	Fuel Injection Test Kit
FS242	Combination Flaring Tool Kit
HCP255S	2-PC. Hose Clamp Pliers Set
HCP554	Mini Hose Pinch-Off Tool
HCP555	Automatic Pinch-Off Pliers
MD4000	Master Disconnect Set

PRODUCT #	DESCRIPTION
OF5325A	Swivel Oil Filter Wrench
OF535A	Swivel Oil Filter Wrench
OF537A	Swivel Oil Filter Wrench
OFKIT5PC	5-PC. Oil Filter Cup Wrench Set
PB518B	5-Ton Bar-Type Puller/Bearing Separator Set
PS1190B	10-Way Slammer Hammer Kit
PSR7DR	7-PC. Macsimizer™ Radiator Hose Pick Set
PT730MB	Cooling System Pressure Tester
TP727B	Refractometer with Autotemp
SP3COB	3-PC. Cobra Pliers Set
STP600B	43-PC. Deluxe Master Bolt Grip Set
TD76COMBOS	76-PC. Tap and Die Set
TLL4400	Cordless LED Work Light
TPT460M	Transmission/Oil Pressure Test Kit
TRCOMBO-48	48-PC. Rethreading Set



NASTER SET 6 AND 7



MTS600AS

145-PC. MASTER SET 6

- This set consists of fundamental and commonly used pneumatic power tools with impact socket sets and extensions
- 3/8" and 1/2" Drive pneumatic power tools [3/8" drive ratchet and 1/2" drive impact] with socket sets, extensions, and accessories that you would typically use on a daily basis.
- *Contents are subject to change

PRODUCT #	DESCRIPTION
AR778A	3/8" Drive Sealed Head Air Ratchet
MPF990501	1/2" Drive High Performance Air Impact Wrench
SVA7B	7-PC. 1/2" Drive SAE Hex Insert and Driver Set
SVAM8B	8-PC. 1/2" Drive Metric Hex Insert and Driver Set
SVDP136BRPT	13-PC. 1/2" Drive SAE Deep Impact Socket Set - 6-PT.
SVDPM166BRPT	16-PC. 1/2" Drive Metric Deep Impact Socket Set - 6-PT.
SVP156TR	15-PC. 1/2" Drive SAE Impact Socket Set - 6-PT.
SVP3EKL	3-PC. 1/2" Drive Locking Impact Extension Set
SVP3EKLT	3-PC. 1/2" Drive Impact Locking Extension Set
SVPM136TR	13-PC. 1/2" Drive Metric Standard Impact Socket Set - 6-PT.

PRODUCT #	DESCRIPTION
SVUP7PTR	7-PC. 1/2" Drive SAE Universal Impact Socket Set - 6-PT.
SVUPM7PTR	7-PC. 1/2" Drive Metric Universal Impact Socket Set - 6-PT.
SXDP76TR	7-PC. 3/8" Drive SAE Deep Impact Socket Set - 6-PT.
SXDPM146TR	14-PC. 3/8" Drive Metric Deep Impact Socket Set - 6-PT.
SXP3EKL	3-PC. 3/8" Drive Impact Locking Extension Set
SXP86TR	8-PC. 3/8" Drive SAE Impact Socket Set - 6-PT.
SXPM116TR	11-PC. 3/8" Drive Metric Impact Socket Set - 6-PT.
TFL6-SET	6-PC. Thick and Thin Flip Socket Set
VUP2BA	Impact Universal Joint
XUP2BA	Impact Universal Joint - Ball



MTS700AS

79-PC. MASTER SET 7

 This set contains even more pneumatic power tools with impact socket sets, extensions, and specialized socket sets

INCLUDES:

1/4" And 3/8" Drive Pneumatic Power Tools With Socket Sets, Extensions, and Accessories That A Technician Uses on A Regular Basis

*Contents are subject to change

PRODUCT #	DESCRIPTION
AR249	1/4" Drive Mini Air Ratchet
AWP525A	1/4" Drive Mini Aluminum Air Impact Wrench
MPF990381	3/8" Drive High Performance Air Impact Wrench
MUP2B	Universal Impact Ball Style
SMIP106TR	10-PC. 1/4" Drive SAE Intermediate Impact Socket Set - 6-PT.
SMMIP126TR	12-PC. 1/4" Drive Metric Intermediate Impact Socket Set - 6-PT.
SMP5EKL	5-PC. 1/4" Drive Impact Locking Extension Set

PRODUCT #	DESCRIPTION
SMUP56TR	5-PC. 1/4" Drive SAE Universal Impact Socket Set - 6-PT.
SMUPM96TR	9-PC. 1/4" Drive Metric Universal Impact Socket Set - 6-PT.
SXUP76TR	7-PC. 3/8" Drive SAE Universal Impact Socket Set - 6-PT.
SXUPD72PTR	7-PC. 3/8" Drive SAE Deep Universal Impact Socket Set - 12-PT.
SXUPDM106TR	10-PC. 3/8" Drive Metric Deep Universal Impact Socket Set - 6-PT.
SXUPM106TR	10-PC. 3/8" Drive Metric Impact Universal Socket Set - 6-PT.

MASTER SET 8 AND EXPERT® MASTER 1



MTS800AS

143-PC. MASTER SET 8

- This set includes tools required for cutting, drilling, and grinding with the accessories, consumables, and safety equipment necessary to operate them
- Cutting: pneumatic hammer gun with bits and pneumatic cut-off tool with cut-off discs
- Drilling: 1/2" and 3/8" keyed chuck drills, high speed and Cobalt drill bit sets and extractor sets
- Grinding: pneumatic straight and angle grinders with carbide burrs
- Accessories and safety equipment: goggles, and ear protection
- *Contents are subject to change

PRODUCT #	DESCRIPTION
SCEX35S	35-PC. Master Extractor Set
6338DSB	29-PC. Cobalt Drill Bit Set
ADQP380	3/8" Reversible Air Drill - Keyed Chuck
AD1200K	1/2" Reversible Aluminum Keyless-Chuck Air Drill
AG325AH90	1/4" Collet Premium 0.3-hp 90° Air Die Grinder
AG325S	1/4" Collet Premium 0.3-hp Straight Air Die Grinder
AT28	Cut-Off Tool
BG500	Heavy-Duty Blow Gun
CB4S	4-PC. Miscellaneous Carbide Burr Set
COWA3116ECON-50	Aluminum Oxide Cut-Off Wheel - 50-PK.
EB118X1KT	Wire End Brush

PRODUCT #	DESCRIPTION
EB12VT	Wire End Brush - 1/2" x 1-1/8"
EB1X118ST	Wire End Brush - 1" x 1-1/8"
EB34X1ST	Wire End Brush
MPH1911K	Long Barrel Air Hammer and Chisel Kit
MSD0484	Quick Change Surface Conditioning Disc - 3" Coarse
MSD0485	Quick Change Surface Conditioning Disc - 3" Medium
MSD0486	Quick Change Surface Conditioning Disc - 3" Very Fine
MSD6060	3" Holder Pad
QM24+	Ear Protectors
S3970D	Stealth OTG Goggle - Clear
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*Contents are subject to change

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17982	769	1737TP	313	3157DSA	315	454734	780
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1448TP	313	35000	661	3713DQDA	421	57004-907N1168	685
1449TP	313	35662	648	3714DQDA	421	57004-907N1170	685
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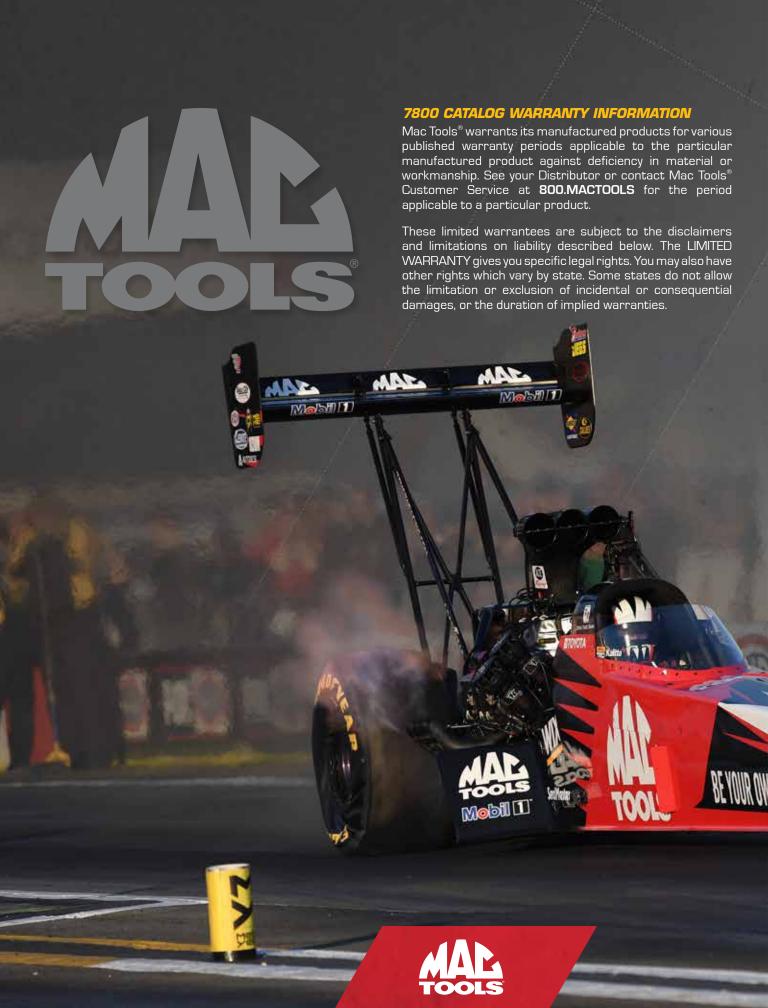
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