



HAND TOOLS BUILT TO WORK AS HARD AS YOU

No matter how large or small your company, we realize our relationship with you defines how you feel about Apex Tool Group. To us, every business relationship is personal, and we place a high value on that connection. To that end, we strive to build a strong bond with you and all our customers by keeping these four promises:

- To consistently provide you with innovative solutions driven by our in-depth product experience.
- To serve you with expertise that is global in reach, but local in focus.
- To maintain our heritage of proven results by delivering products that enhance your productivity.
- And finally, to treat you fairly, so you view every business transaction with Apex Tool Group as a positive experience.

With our solid cornerstone of world class brands, we have the capability, the capacity, and the commitment to always provide you with a first class experience.

Apex Tool Group serves regional retailers, independent hardware stores, hardware distributors, and end users with high quality hand tools and chain products. We offer a wide selection of market leading brands with products specifically designed to meet the diverse needs of DIY and professional users. Information included in this catalog can also be found online at www.apextoolgroup.com. Our goal is to continue to provide our customers not only with innovative, high quality products, but also with applications expertise, programs to improve safety and productivity, and the highest level of customer service.

We're Apex Tool Group. We want to be your tool company.



Warranty – Standard Limited Lifetime

Apex warrants to each original Customer of Products sold by Apex that such Products (excluding carrying cases and storage accessories and the product categories set forth below) are, at the time of delivery to the Customer, free of material and workmanship defects, provided that no warranty is made with respect to: (a) any Product which has been modified, disassembled and/or reassembled or altered in any way or improperly installed; (b) any Product which has, in Apex's judgment, been subject to negligence, misuse, abuse, accident, improper storage or damage during shipment; (c) any Product which has not been operated and maintained in accordance with normal practice and in conformity with recommendations and published specifications of Apex; and (d) any Products which have been serviced or repaired by anyone other than an Authorized Repair Center of Apex or modified by anyone other than Apex. Normal wear and tear is also excluded.

Product Exceptions to the Standard Limited Lifetime Warranty: Tool Boxes, Standard Chucks and Accessories, Bits, Bit Sockets Torque Products. Soldering and De-Soldering Products are warranted only for one (1) year from date of Buyer acceptance. Accuracy standards for calibration on Torque Products are warranted for 90 days from date of buyer acceptance. Torque Products in North America must be sent to Angle Repair & Calibration Service, Inc., 175 Angle Drive, Beckley, West Virginia 25801 (304) 253-5729 at Customer's cost for evaluation. Product meeting warranty criteria will be repaired or replaced subject to Apex's sole discretion. Torque Product components are subject to normal wear through use and replacement thereof is the responsibility of the Customer.

These warranties set forth herein are the sole warranties applicable to Products and is in lieu of all other warranties, whether express, implied or statutory. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded.

Remedies: Customer's sole and exclusive remedy for breach of this Warranty is, at the option of Apex, repair or replacement of the defective product.



"The Original" in hex key manufacturing with quality and dependable products since 1910.

The trusted brand with a 90 year heritage of material handling solutions

A heritage of quality, driven by innovation.

The only name that has a full line of shoes, nails, tools, and rasps – all designed to work beautifully together.

Hand tools that provide the highest productivity, through speed, strength, wand access.

High-Grade manual, hydraulic, and high-grade cutters with industry leading durability and cutting strength.

A global leader in the design and manufacture of precision tool and work holding devices for stationary equipment and portable tools.

Tough and accurate measuring products for the professional tradesman.

The most recognized brand of files in the world since 1864, manufactured to ensure uncompromising quality.

Durable striking products since 1856, engineered for superior quality and balance.

The leading brand in professional-quality soldering equipment since 1945.

A leader in dependable cutting tools to help the professional consistently get the job done.

Precision hand tools chosen by service professionals.



- RATCHETS & SOCKETS
- IMPACT SOCKETS
- WRENCHES
- BIT SOCKETS
- HEX KEYS

3



- CHAIN
- ACCESSORIES
- CABLE / WIRE ROPE
- HOOKS / FITTINGS

5 3



- MECHANICS TOOLS
- WRENCHES
- SCREWDRIVERS
- PLIERS
- NUTDRIVERS

1 3 5



- HORSESHOES
- FARRIER TOOLS
- HORSESHOE NAILS
- RASPS

2 1 9



- COMBINATION RATCHETING WRENCHES
- REVERSIBLE & FLEX COMBINATION RATCHETING WRENCHES
- SPECIALTY RATCHETING WRENCHES

2 3 1



- MANUAL CUTTERS
- RATCHETING CUTTERS
- SPECIALTY TOOLS

2 7 9



- PORTABLE TOOL CHUCKS
- SPECIAL PURPOSE CHUCKS
- CHUCK KEYS & ACCESSORIES

2 9 9



- POWER TAPES
- SURVEYING TAPES
- MEASURING WHEELS
- LONG TAPES
- RULES

3 0 5



- FILES & RASPS
- HACK SAWS
- FILE ACCESSORIES
- HAND SAWS

3 3 9



- CLAW & BALL PEIN HAMMERS
- HEAVY HAMMERS
- HATCHETS
- BRICK HAMMERS

3 8 5



- SOLDERING GUNS & IRONS
- CORDLESS SOLDERING IRONS AND TORCHES
- HOBBY KITS AND SOLDERING STATIONS

3 9 5



- AVIATION & TINNERS SNIPS
- HVAC TOOLS
- SCISSORS & SHEARS
- UTILITY KNIVES

4 1 5



- PRECISION SCREWDRIVERS & NUTDRIVERS
- SPECIALTY SCREWDRIVERS
- SPECIALTY KNIVES

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ALPHA AND PART NUMBER INDEX

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The original in hex key manufacturing. Providing quality and dependable hand tools since 1910.

- Ratchets & Sockets
- Impact Sockets
- Bit Sockets
- Wrenches
- Hex Keys





When you want a hand tool line with heritage, performance, and value, all backed by outstanding service and support, one name should come to mind - Allen®. Our hand tool line is built with Allen-tough features and the strength and durability to stand up to your customer's daily punishments. Proudly designed and manufactured in the USA.



**Ratchets, Sockets,
Wrenches, & Hex Keys**

**THE RIGHT TOOL
FOR ANY JOB**



- **Made In USA** is proudly displayed on most Allen® Hand Tools
- **Heat Treated Tempered Alloy Steel** on hex keys provides high strength and resistance to rotational distortion
- **Superior Quality** through precise machining and advanced forming technology
- **Nickle-Chrome Finish** provides lifetime corrosion resistance to wrenches
- **Drop-Forge and Through Hardened Alloy Steel** for superior durability
- **Exclusive Allendrive™** socket and wrench designs for more torque strength with less chance of fastener rounding



Heat Treated Tempered Alloy Steel Hex Keys



Nickle-Chrome Finish on Wrenches

Visit us at www.allenhex.com

57 Pc. 1/4" and 3/8" Drive 6 and 12 Point SAE/Metric Socket Set



- All Tools are Made in the USA - Quality and Availability
- Blow Molded Case Included

Cat. No.	UPC No.	Packaging	Product Weight
ALN19125	082171191251	Blow Mold Case	6.18 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN11800	3/8" Drive Teardrop Quick Release Ratchet	1	ALN11611	3/8" Drive 12 Point SAE Socket 9/16"	1
ALN11827	3/8" Drive 3/8" F x 1/4" M Adapter	1	ALN11612	3/8" Drive 12 Point SAE Socket 5/8"	1
ALN11805	3/8" Drive 3" Extension	1	ALN11613	3/8" Drive 12 Point SAE Socket 11/16"	1
ALN11810	3/8" Drive 6" Extension	1	ALN11614	3/8" Drive 12 Point SAE Socket 3/4"	1
-	1/4" Drive 1-1/2" Extension	1	ALN11615	3/8" Drive 12 Point SAE Socket 13/16"	1
ALN10815	1/4" Drive 6" Spinner Handle	1	ALN11858	3/8" Drive 12 Point SAE Deep Socket 3/8"	1
-	1/4" Drive 6 Point SAE Socket 5/32"	1	ALN11859	3/8" Drive 12 Point SAE Deep Socket 7/16"	1
ALN10602	1/4" Drive 6 Point SAE Socket 3/16"	1	ALN11860	3/8" Drive 12 Point SAE Deep Socket 1/2"	1
ALN10603	1/4" Drive 6 Point SAE Socket 7/32"	1	ALN11861	3/8" Drive 12 Point SAE Deep Socket 9/16"	1
ALN10604	1/4" Drive 6 Point SAE Socket 1/4"	1	ALN11864	3/8" Drive 12 Point SAE Deep Socket 3/4"	1
ALN10605	1/4" Drive 6 Point SAE Socket 9/32"	1	ALN11709	3/8" Drive 12 Point Metric Socket 9mm	1
ALN10606	1/4" Drive 6 Point SAE Socket 5/16"	1	ALN11710	3/8" Drive 12 Point Metric Socket 10mm	1
ALN10607	1/4" Drive 6 Point SAE Socket 11/32"	1	ALN11711	3/8" Drive 12 Point Metric Socket 11mm	1
ALN10608	1/4" Drive 6 Point SAE Socket 3/8"	1	ALN11712	3/8" Drive 12 Point Metric Socket 12mm	1
ALN10609	1/4" Drive 6 Point SAE Socket 7/16"	1	ALN11713	3/8" Drive 12 Point Metric Socket 13mm	1
ALN10610	1/4" Drive 6 Point SAE Socket 1/2"	1	ALN11714	3/8" Drive 12 Point Metric Socket 14mm	1
ALN10702	1/4" Drive 6 Point Metric Socket 4mm	1	ALN11715	3/8" Drive 12 Point Metric Socket 15mm	1
ALN10704	1/4" Drive 6 Point Metric Socket 5mm	1	ALN11716	3/8" Drive 12 Point Metric Socket 16mm	1
ALN10706	1/4" Drive 6 Point Metric Socket 6mm	1	ALN11717	3/8" Drive 12 Point Metric Socket 17mm	1
ALN10707	1/4" Drive 6 Point Metric Socket 7mm	1	ALN11719	3/8" Drive 12 Point Metric Socket 19mm	1
ALN10708	1/4" Drive 6 Point Metric Socket 8mm	1	ALN11695	3/8" Drive Spark Plug Socket, 5/8"	1
ALN10709	1/4" Drive 6 Point Metric Socket 9mm	1	57010	5/64" Short Arm L Hex Key	1
ALN10710	1/4" Drive 6 Point Metric Socket 10mm	1	57012	3/32" Short Arm L Hex Key	1
ALN10711	1/4" Drive 6 Point Metric Socket 11mm	1	57014D	1/8" Short Arm L Hex Key	1
ALN10712	1/4" Drive 6 Point Metric Socket 12mm	1	57020D	5/32" Short Arm L Hex Key	1
ALN10713	1/4" Drive 6 Point Metric Socket 13mm	1	57022	3/16" Short Arm L Hex Key	1
ALN11608	3/8" Drive 12 Point SAE Socket 3/8"	1	57024	7/32" Short Arm L Hex Key	1
ALN11609	3/8" Drive 12 Point SAE Socket 7/16"	1	57026D	1/4" Short Arm L Hex Key	1
ALN11610	3/8" Drive 12 Point SAE Socket 1/2"	1			

47 Pc. 1/4" and 3/8" Drive 6 and 12 Point SAE/Metric Socket Set



- All Tools are Made in the USA - Quality and Availability
- Blow Molded Case Included



Cat. No.	UPC No.	Packaging	Product Weight
ALN19147	082171191473	Blow Mold Case	6.52 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN11801	3/8" Drive Round Head Ratchet	1	ALN11610	3/8" Drive 12 Point SAE Socket 1/2"	1
-	3/8" Drive 1-1/2" Extension	1	ALN11611	3/8" Drive 12 Point SAE Socket 9/16"	1
ALN11805	3/8" Drive 3" Extension	1	ALN11612	3/8" Drive 12 Point SAE Socket 5/8"	1
ALN11827	3/8" Drive 3/8" F x 1/4" M Adapter	1	ALN11613	3/8" Drive 12 Point SAE Socket 11/16"	1
ALN10815	1/4" Drive 6" Spinner Handle	1	ALN11614	3/8" Drive 12 Point SAE Socket 3/4"	1
-	1/4" Drive 6 Point SAE Socket 5/32"	1	ALN11710	3/8" Drive 12 Point Metric Socket 10mm	1
ALN10602	1/4" Drive 6 Point SAE Socket 3/16"	1	ALN11711	3/8" Drive 12 Point Metric Socket 11mm	1
ALN10603	1/4" Drive 6 Point SAE Socket 7/32"	1	ALN11712	3/8" Drive 12 Point Metric Socket 12mm	1
ALN10604	1/4" Drive 6 Point SAE Socket 1/4"	1	ALN11713	3/8" Drive 12 Point Metric Socket 13mm	1
ALN10605	1/4" Drive 6 Point SAE Socket 9/32"	1	ALN11714	3/8" Drive 12 Point Metric Socket 14mm	1
ALN10606	1/4" Drive 6 Point SAE Socket 5/16"	1	ALN11715	3/8" Drive 12 Point Metric Socket 15mm	1
ALN10607	1/4" Drive 6 Point SAE Socket 11/32"	1	ALN11717	3/8" Drive 12 Point Metric Socket 17mm	1
ALN10608	1/4" Drive 6 Point SAE Socket 3/8"	1	ALN11719	3/8" Drive 12 Point Metric Socket 19mm	1
ALN10609	1/4" Drive 6 Point SAE Socket 7/16"	1	ALN11721	3/8" Drive 12 Point Metric Socket 21mm	1
ALN10610	1/4" Drive 6 Point SAE Socket 1/2"	1	ALN11858	3/8" Drive 12 Point SAE Deep Socket 3/8"	1
ALN10702	1/4" Drive 6 Point Metric Socket 4mm	1	ALN11859	3/8" Drive 12 Point SAE Deep Socket 7/16"	1
ALN10704	1/4" Drive 6 Point Metric Socket 5mm	1	ALN11860	3/8" Drive 12 Point SAE Deep Socket 1/2"	1
ALN10706	1/4" Drive 6 Point Metric Socket 6mm	1	ALN11861	3/8" Drive 12 Point SAE Deep Socket 9/16"	1
ALN10707	1/4" Drive 6 Point Metric Socket 7mm	1	ALN11862	3/8" Drive 12 Point SAE Deep Socket 5/8"	1
ALN10708	1/4" Drive 6 Point Metric Socket 8mm	1	ALN11863	3/8" Drive 12 Point SAE Deep Socket 11/16"	1
ALN10709	1/4" Drive 6 Point Metric Socket 9mm	1	ALN11864	3/8" Drive 12 Point SAE Deep Socket 3/4"	1
ALN10710	1/4" Drive 6 Point Metric Socket 10mm	1	ALN11695	3/8" Drive Spark Plug Socket, 5/8"	1
ALN11608	3/8" Drive 12 Point SAE Socket 3/8"	1	ALN11696	3/8" Drive Spark Plug Socket, 13/16"	1
ALN11609	3/8" Drive 12 Point SAE Socket 7/16"	1			

37 Pc. 1/4" and 3/8" Drive 6 Point SAE/Metric Socket Set



- All Tools are Made in the USA - Quality and Availability
- Blow Molded Case Included



Cat. No.	UPC No.	Packaging	Product Weight
ALN19252	082171192524	Blow Mold Case	3.84 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN11801	3/8" Drive Round Head Ratchet	1	ALN10710	1/4" Drive 6 Point Metric Socket 10mm	1
ALN11805	3/8" Drive 3" Extension	1	ALN10711	1/4" Drive 6 Point Metric Socket 11mm	1
ALN11827	3/8" Drive 3/8" F x 1/4" M Adapter	1	-	3/8" Drive 6 Point SAE Socket 3/8"	1
ALN10815	1/4" Drive 6" Spinner Handle	1	-	3/8" Drive 6 Point SAE Socket 7/16"	1
-	1/4" Drive 6 Point SAE Socket 5/32"	1	-	3/8" Drive 6 Point SAE Socket 1/2"	1
ALN10602	1/4" Drive 6 Point SAE Socket 3/16"	1	-	3/8" Drive 6 Point SAE Socket 9/16"	1
ALN10603	1/4" Drive 6 Point SAE Socket 7/32"	1	-	3/8" Drive 6 Point SAE Socket 5/8"	1
ALN10604	1/4" Drive 6 Point SAE Socket 1/4"	1	-	3/8" Drive 6 Point SAE Socket 11/16"	1
ALN10605	1/4" Drive 6 Point SAE Socket 9/32"	1	-	3/8" Drive 6 Point SAE Socket 3/4"	1
ALN10606	1/4" Drive 6 Point SAE Socket 5/16"	1	-	3/8" Drive 6 Point SAE Socket 13/16"	1
ALN10607	1/4" Drive 6 Point SAE Socket 11/32"	1	-	3/8" Drive 6 Point Metric Socket 10mm	1
ALN10608	1/4" Drive 6 Point SAE Socket 3/8"	1	-	3/8" Drive 6 Point Metric Socket 11mm	1
ALN10609	1/4" Drive 6 Point SAE Socket 7/16"	1	-	3/8" Drive 6 Point Metric Socket 12mm	1
ALN10702	1/4" Drive 6 Point Metric Socket 4mm	1	-	3/8" Drive 6 Point Metric Socket 13mm	1
ALN10704	1/4" Drive 6 Point Metric Socket 5mm	1	-	3/8" Drive 6 Point Metric Socket 14mm	1
ALN10706	1/4" Drive 6 Point Metric Socket 6mm	1	-	3/8" Drive 6 Point Metric Socket 15mm	1
ALN10707	1/4" Drive 6 Point Metric Socket 7mm	1	-	3/8" Drive 6 Point Metric Socket 17mm	1
ALN10708	1/4" Drive 6 Point Metric Socket 8mm	1	-	3/8" Drive 6 Point Metric Socket 19mm	1
ALN10709	1/4" Drive 6 Point Metric Socket 9mm	1			

17 Pc. 1/4" and 3/8" Drive 12 Point SAE Socket Set



- All Tools are Made in the USA - Quality and Availability
- Blow Molded Case Included



Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN11800	3/8" Drive Teardrop Quick Release Ratchet	1	ALN11608	3/8" Drive 12 Point SAE Socket 3/8"	1
ALN11805	3/8" Drive 3" Extension	1	ALN11609	3/8" Drive 12 Point SAE Socket 7/16"	1
ALN11827	3/8" Drive 3/8" F x 1/4" M Adapter	1	ALN11610	3/8" Drive 12 Point SAE Socket 1/2"	1
-	1/4" Drive 12 Point SAE Socket 3/16"	1	ALN11611	3/8" Drive 12 Point SAE Socket 9/16"	1
-	1/4" Drive 12 Point SAE Socket 7/32"	1	ALN11612	3/8" Drive 12 Point SAE Socket 5/8"	1
-	1/4" Drive 12 Point SAE Socket 1/4"	1	ALN11613	3/8" Drive 12 Point SAE Socket 11/16"	1
-	1/4" Drive 12 Point SAE Socket 9/32"	1	ALN11614	3/8" Drive 12 Point SAE Socket 3/4"	1
-	1/4" Drive 12 Point SAE Socket 5/16"	1	ALN11695	3/8" Drive Spark Plug Socket, 5/8"	1
-	1/4" Drive 12 Point SAE Socket 11/32"	1			

Cat. No.	UPC No.	Packaging	Product Weight
ALN19600	082171196003	Blow Mold Case	2.20 lb

13 Pc. 1/4" Drive 6 Point SAE Socket Set



- All Tools are Made in the USA - Quality and Availability
- Grey Metal Storage Box Included



Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN10800	1/4" Drive Teardrop Quick Release Ratchet	1	ALN10605	1/4" Drive 6 Point SAE Socket 9/32"	1
-	1/4" Drive 1-1/2" Extension	1	ALN10606	1/4" Drive 6 Point SAE Socket 5/16"	1
ALN10810	1/4" Drive 6" Extension	1	ALN10607	1/4" Drive 6 Point SAE Socket 11/32"	1
ALN10815	1/4" Drive 6" Spinner Handle	1	ALN10608	1/4" Drive 6 Point SAE Socket 3/8"	1
ALN10602	1/4" Drive 6 Point SAE Socket 3/16"	1	ALN10609	1/4" Drive 6 Point SAE Socket 7/16"	1
ALN10603	1/4" Drive 6 Point SAE Socket 7/32"	1	ALN10610	1/4" Drive 6 Point SAE Socket 1/2"	1
ALN10604	1/4" Drive 6 Point SAE Socket 1/4"	1			

Cat. No.	UPC No.	Packaging	Product Weight
ALN19001	082171190018	Storage Box	1.42 lb

12 Pc. 1/4" Drive 6 Point SAE Socket Set



- All Tools are Made in the USA - Quality and Availability
- Blow Mold Storage Case Included

Cat. No.	UPC No.	Packaging	Product Weight
ALN19250	082171192500	Blow Mold Case	1.55 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN10801	1/4" Drive Round Head Ratchet	1	ALN10605	1/4" Drive 6 Point SAE Socket 9/32"	1
ALN10805	1/4" Drive 3" Extension	1	ALN10606	1/4" Drive 6 Point SAE Socket 5/16"	1
ALN10815	1/4" Drive 6" Spinner Handle	1	ALN10607	1/4" Drive 6 Point SAE Socket 11/32"	1
ALN10602	1/4" Drive 6 Point SAE Socket 3/16"	1	ALN10608	1/4" Drive 6 Point SAE Socket 3/8"	1
ALN10603	1/4" Drive 6 Point SAE Socket 7/32"	1	ALN10609	1/4" Drive 6 Point SAE Socket 7/16"	1
ALN10604	1/4" Drive 6 Point SAE Socket 1/4"	1	ALN10610	1/4" Drive 6 Point SAE Socket 1/2"	1

10 Pc. 1/4" Drive 6 Point SAE Socket Set



- Made in the USA - Quality and Availability
- Allendrive™ for higher torque and less chance for fastener rounding
- Socket storage rail included

Cat. No.	UPC No.	Packaging	Drive Type	Product Weight
ALN19013	082171190131	Carded	6 Point	0.45 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	1/4" Drive 6 Point SAE Socket 5/32"	1	ALN10606	1/4" Drive 6 Point SAE Socket 5/16"	1
ALN10602	1/4" Drive 6 Point SAE Socket 3/16"	1	ALN10607	1/4" Drive 6 Point SAE Socket 11/32"	1
ALN10603	1/4" Drive 6 Point SAE Socket 7/32"	1	ALN10608	1/4" Drive 6 Point SAE Socket 3/8"	1
ALN10604	1/4" Drive 6 Point SAE Socket 1/4"	1	ALN10609	1/4" Drive 6 Point SAE Socket 7/16"	1
ALN10605	1/4" Drive 6 Point SAE Socket 9/32"	1	ALN10610	1/4" Drive 6 Point SAE Socket 1/2"	1

10 Pc. 1/4" Drive 6 Point Metric Socket Set

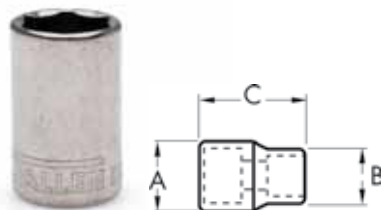


- Made in the USA - Quality and Availability
- Allendrive™ for higher torque and less chance for fastener rounding
- Socket storage rail included

Cat. No.	UPC No.	Packaging	Drive Type	Product Weight
ALN19017	082171190179	Carded	6 Point	0.50 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN10702	1/4" Drive 6 Point Metric Socket 4mm	1	ALN10709	1/4" Drive 6 Point Metric Socket 9mm	1
ALN10704	1/4" Drive 6 Point Metric Socket 5mm	1	ALN10710	1/4" Drive 6 Point Metric Socket 10mm	1
ALN10706	1/4" Drive 6 Point Metric Socket 6mm	1	ALN10711	1/4" Drive 6 Point Metric Socket 11mm	1
ALN10707	1/4" Drive 6 Point Metric Socket 7mm	1	ALN10712	1/4" Drive 6 Point Metric Socket 12mm	1
ALN10708	1/4" Drive 6 Point Metric Socket 8mm	1	ALN10713	1/4" Drive 6 Point Metric Socket 13mm	1

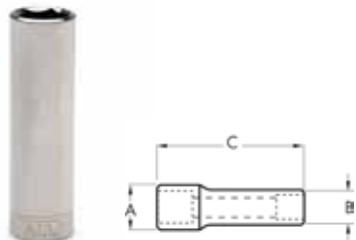
1/4" Drive 6 Point SAE Standard Length Sockets



- Made in the USA - Quality and Availability
- Allendrive™ sockets grip the fastener across a broader contact area and allows for greater torque loads without socket slippage
- Chamfered opening provides faster and easier socket fit over fastener
- Thinwall construction for better access to fasteners in limited areas
- Precision cold formed for exact, consistent dimensions and greater strength

Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Product Weight
ALN10602	082171106026	Carded	6 Point	3/16 in	0.46 in	0.32 in	0.88 in	0.04 lb
ALN10603	082171106033	Carded	6 Point	7/32 in	0.46 in	0.35 in	0.88 in	0.04 lb
ALN10604	082171106040	Carded	6 Point	1/4 in	0.46 in	0.39 in	0.88 in	0.04 lb
ALN10605	082171106057	Carded	6 Point	9/32 in	0.46 in	0.43 in	0.88 in	0.04 lb
ALN10606	082171106064	Carded	6 Point	5/16 in	0.46 in	0.46 in	0.88 in	0.04 lb
ALN10607	082171106071	Carded	6 Point	11/32 in	0.50 in	0.50 in	0.88 in	0.06 lb
ALN10608	082171106088	Carded	6 Point	3/8 in	0.54 in	0.54 in	0.88 in	0.06 lb
ALN10609	082171106095	Carded	6 Point	7/16 in	0.62 in	0.62 in	0.88 in	0.06 lb
ALN10610	082171106101	Carded	6 Point	1/2 in	0.69 in	0.69 in	0.88 in	0.06 lb

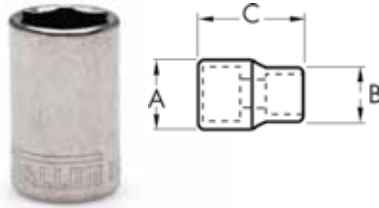
1/4" Drive 6 Point SAE Deep Sockets



- Made in the USA - Quality and Availability
- Allendrive™ sockets grip the fastener across a broader contact area and allows for greater torque loads without socket slippage
- Chamfered opening provides faster and easier socket fit over fastener
- Thinwall construction for better access to fasteners in limited areas
- Precision cold formed for exact, consistent dimensions and greater strength

Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Product Weight
ALN10652	082171106521	Carded	6 Point	3/16 in	0.45 in	0.32 in	2.01 in	0.06 lb
ALN10653	082171106538	Carded	6 Point	7/32 in	0.48 in	0.36 in	2.01 in	0.06 lb
ALN10654	082171106545	Carded	6 Point	1/4 in	0.45 in	0.40 in	2.01 in	0.06 lb
ALN10655	082171106552	Carded	6 Point	9/32 in	0.45 in	0.44 in	2.01 in	0.06 lb
ALN10656	082171106569	Carded	6 Point	5/16 in	0.46 in	0.46 in	2.01 in	0.06 lb
ALN10657	082171106576	Carded	6 Point	11/32 in	0.50 in	0.50 in	2.01 in	0.09 lb
ALN10658	082171106583	Carded	6 Point	3/8 in	0.54 in	0.54 in	2.01 in	0.10 lb
ALN10659	082171106590	Carded	6 Point	7/16 in	0.62 in	0.62 in	2.01 in	0.10 lb
ALN10660	082171106606	Carded	6 Point	1/2 in	0.69 in	0.69 in	2.01 in	0.12 lb

1/4" Drive 6 Point Metric Standard Length Sockets

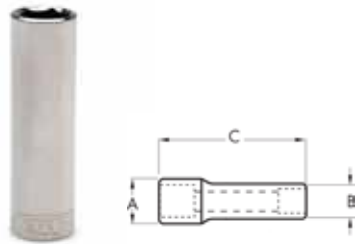


- Made in the USA - Quality and Availability
- Allendrive™ sockets grip the fastener across a broader contact area and allows for greater torque loads without socket slippage
- Chamfered opening provides faster and easier socket fit over fastener
- Thinwall construction for better access to fasteners in limited areas
- Precision cold formed for exact, consistent dimensions and greater strength



Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Product Weight
ALN10702	082171107023	Carded	6 Point	4 mm	0.46 in	0.28 in	0.88 in	0.05 lb
ALN10704	082171107047	Carded	6 Point	5 mm	0.46 in	0.32 in	0.88 in	0.05 lb
ALN10706	082171107061	Carded	6 Point	6 mm	0.46 in	0.37 in	0.88 in	0.06 lb
ALN10707	082171107078	Carded	6 Point	7 mm	0.46 in	0.43 in	0.88 in	0.06 lb
ALN10708	082171107085	Carded	6 Point	8 mm	0.46 in	0.46 in	0.88 in	0.06 lb
ALN10709	082171107092	Carded	6 Point	9 mm	0.50 in	0.50 in	0.88 in	0.06 lb
ALN10710	082171107108	Carded	6 Point	10 mm	0.55 in	0.55 in	0.88 in	0.06 lb
ALN10711	082171107115	Carded	6 Point	11 mm	0.62 in	0.62 in	0.88 in	0.08 lb
ALN10712	082171107122	Carded	6 Point	12 mm	0.68 in	0.68 in	0.88 in	0.08 lb
ALN10713	082171107139	Carded	6 Point	13 mm	0.71 in	0.71 in	0.88 in	0.09 lb

1/4" Drive 6 Point Metric Deep Sockets



- Made in the USA - Quality and Availability
- Allendrive™ sockets grip the fastener across a broader contact area and allows for greater torque loads without socket slippage
- Chamfered opening provides faster and easier socket fit over fastener
- Thinwall construction for better access to fasteners in limited areas
- Precision cold formed for exact, consistent dimensions and greater strength



Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Product Weight
ALN10752	082171107528	Carded	6 Point	4 mm	0.45 in	0.28 in	2.01 in	0.08 lb
ALN10754	082171107542	Carded	6 Point	5 mm	0.45 in	0.32 in	2.01 in	0.08 lb
ALN10756	082171107566	Carded	6 Point	6 mm	0.45 in	0.37 in	2.01 in	0.08 lb
ALN10757	082171107573	Carded	6 Point	7 mm	0.45 in	0.43 in	2.01 in	0.08 lb
ALN10758	082171107580	Carded	6 Point	8 mm	0.46 in	0.46 in	2.01 in	0.08 lb
ALN10759	082171107597	Carded	6 Point	9 mm	0.50 in	0.50 in	2.01 in	0.10 lb
ALN10760	082171107603	Carded	6 Point	10 mm	0.55 in	0.55 in	2.01 in	0.10 lb
ALN10761	082171107610	Carded	6 Point	11 mm	0.62 in	0.62 in	2.01 in	0.10 lb
ALN10762	082171107627	Carded	6 Point	12 mm	0.68 in	0.68 in	2.01 in	0.12 lb
ALN10763	082171107634	Carded	6 Point	13 mm	0.71 in	0.71 in	2.01 in	0.12 lb
ALN10764	082171107641	Carded	6 Point	14 mm	0.76 in	0.76 in	2.01 in	0.12 lb

1/4" Drive Quick Release Ratchet



- Made in the USA - Quality and Availability
- Torque-Wrap™ design provides greater torque strength and lifetime durability
- 10 degree ratcheting arc for better operation in tight spots
- QuickFlip™ Reversing lever for easy one hand reversing
- Teardrop shape gives better access and strength
- Nickel-chrome finish provides lifetime corrosion resistance

Cat. No.	UPC No.	Packaging	Overall Length	Tooth Count	Product Weight
ALN10800	082171108006	Carded	5.50 in	36	0.30 lb

1/4" Drive Extensions



- Made in the USA - Quality and Availability

Cat. No.	UPC No.	Packaging	Length	Product Weight
ALN10805	082171108051	Carded	3 in	0.08 lb
ALN10810	082171108105	Carded	6 in	0.15 lb

1/4" Drive Spinner Handle with Female Drive End



- Made in the USA - Quality and Availability
- Includes Female Drive End in Handle

Cat. No.	UPC No.	Packaging	Overall Length	Product Weight
ALN10815	082171108150	Carded	6 in	0.21 lb

1/4" Drive Flex Handle / Breaker Bar



- Made in the USA - Quality and Availability
- Manufactured from alloy steel and heat treated for greater strength and durability

Cat. No.	UPC No.	Packaging	Overall Length	Product Weight
ALN10820	082171108204	Carded	5.50 in	0.24 lb

1/4" Drive Adapter



- Made in the USA - Quality and Availability
- Chrome Vanadium alloy steel for long lasting durability



Cat. No.	UPC No.	Packaging	Overall Length	Female Drive Size	Male Drive Size	Product Weight
ALN10825	082171108259	Carded	1.00 in	1/4"	3/8"	0.04 lb

1/4" Drive Universal Joint



- Made in the USA - Quality and Availability
- Chrome Vanadium alloy steel for long lasting durability



Cat. No.	UPC No.	Packaging	Overall Length	Female Drive Size	Male Drive Size	Product Weight
ALN10830	082171108303	Carded	1.30 in	1/4"	1/4"	0.06 lb

20 Pc. 3/8" Drive 6 Point SAE/Metric Socket Set



- All Tools are Made in the USA - Quality and Availability
- Blow Molded Case Included



Cat. No.	UPC No.	Packaging	Product Weight
ALN19251	082171192517	Blow Mold Case	2.93 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN11801	3/8" Drive Round Head Ratchet	1	ALN11695	3/8" Drive Spark Plug Socket, 5/8"	1
ALN11805	3/8" Drive 3" Extension	1	-	3/8" Drive 6 Point Metric Socket 8mm	1
-	3/8" Drive 6 Point SAE Socket 3/8"	1	-	3/8" Drive 6 Point Metric Socket 9mm	1
-	3/8" Drive 6 Point SAE Socket 7/16"	1	-	3/8" Drive 6 Point Metric Socket 10mm	1
-	3/8" Drive 6 Point SAE Socket 1/2"	1	-	3/8" Drive 6 Point Metric Socket 11mm	1
-	3/8" Drive 6 Point SAE Socket 9/16"	1	-	3/8" Drive 6 Point Metric Socket 12mm	1
-	3/8" Drive 6 Point SAE Socket 5/8"	1	-	3/8" Drive 6 Point Metric Socket 13mm	1
-	3/8" Drive 6 Point SAE Socket 11/16"	1	-	3/8" Drive 6 Point Metric Socket 14mm	1
-	3/8" Drive 6 Point SAE Socket 3/4"	1	-	3/8" Drive 6 Point Metric Socket 15mm	1
-	3/8" Drive 6 Point SAE Socket 13/16"	1	-	3/8" Drive 6 Point Metric Socket 17mm	1

18 Pc. 3/8" Drive 12 Point SAE Socket Set



- All Tools are Made in the USA - Quality and Availability
- Grey Metal Storage Box Included

Cat. No.	UPC No.	Packaging	Product Weight
ALN19123	082171191237	Metal Box	5.80 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN11800	3/8" Drive Teardrop Quick Release Ratchet	1	ALN11614	3/8" Drive 12 Point SAE Socket 3/4"	1
ALN11805	3/8" Drive 3" Extension	1	ALN11858	3/8" Drive 12 Point SAE Deep Socket 3/8"	1
ALN11810	3/8" Drive 6" Extension	1	ALN11859	3/8" Drive 12 Point SAE Deep Socket 7/16"	1
ALN11608	3/8" Drive 12 Point SAE Socket 3/8"	1	ALN11860	3/8" Drive 12 Point SAE Deep Socket 1/2"	1
ALN11609	3/8" Drive 12 Point SAE Socket 7/16"	1	ALN11861	3/8" Drive 12 Point SAE Deep Socket 9/16"	1
ALN11610	3/8" Drive 12 Point SAE Socket 1/2"	1	ALN11862	3/8" Drive 12 Point SAE Deep Socket 5/8"	1
ALN11611	3/8" Drive 12 Point SAE Socket 9/16"	1	ALN11863	3/8" Drive 12 Point SAE Deep Socket 11/16"	1
ALN11612	3/8" Drive 12 Point SAE Socket 5/8"	1	ALN11864	3/8" Drive 12 Point SAE Deep Socket 3/4"	1
ALN11613	3/8" Drive 12 Point SAE Socket 11/16"	1	ALN11695	3/8" Drive Spark Plug Socket, 5/8"	1

12 Pc. 3/8" Drive 12 Point SAE Socket Set



- All Tools are Made in the USA - Quality and Availability
- Grey Metal Storage Box Included

Cat. No.	UPC No.	Packaging	Product Weight
ALN19113	082171191138	Metal Box	4.10 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN11800	3/8" Drive Teardrop Quick Release Ratchet	1	ALN11611	3/8" Drive 12 Point SAE Socket 9/16"	1
ALN11805	3/8" Drive 3" Extension	1	ALN11612	3/8" Drive 12 Point SAE Socket 5/8"	1
ALN11810	3/8" Drive 6" Extension	1	ALN11613	3/8" Drive 12 Point SAE Socket 11/16"	1
ALN11608	3/8" Drive 12 Point SAE Socket 3/8"	1	ALN11614	3/8" Drive 12 Point SAE Socket 3/4"	1
ALN11609	3/8" Drive 12 Point SAE Socket 7/16"	1	ALN11615	3/8" Drive 12 Point SAE Socket 13/16"	1
ALN11610	3/8" Drive 12 Point SAE Socket 1/2"	1	ALN11695	3/8" Drive Spark Plug Socket, 5/8"	1

11 Pc. 3/8" Drive 12 Point SAE Socket Set



- All Tools are Made in the USA - Quality and Availability
- Blow Molded Case Included



Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN11800	3/8" Drive Teardrop Quick Release Ratchet	1	ALN11611	3/8" Drive 12 Point SAE Socket 9/16"	1
ALN11805	3/8" Drive 3" Extension	1	ALN11612	3/8" Drive 12 Point SAE Socket 5/8"	1
ALN11606	3/8" Drive 12 Point SAE Socket 5/16"	1	ALN11613	3/8" Drive 12 Point SAE Socket 11/16"	1
ALN11608	3/8" Drive 12 Point SAE Socket 3/8"	1	ALN11614	3/8" Drive 12 Point SAE Socket 3/4"	1
ALN11609	3/8" Drive 12 Point SAE Socket 7/16"	1	ALN11695	3/8" Drive Spark Plug Socket, 5/8"	1
ALN11610	3/8" Drive 12 Point SAE Socket 1/2"	1			

10 Pc. 3/8" Drive 12 Point SAE Socket Set



- Made in the USA - Quality and Availability
- Allendrive™ for higher torque and less chance for fastener rounding
- Socket storage rail included



Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN11606	3/8" Drive 12 Point SAE Socket 5/16"	1	ALN11612	3/8" Drive 12 Point SAE Socket 5/8"	1
ALN11608	3/8" Drive 12 Point SAE Socket 3/8"	1	ALN11613	3/8" Drive 12 Point SAE Socket 11/16"	1
ALN11609	3/8" Drive 12 Point SAE Socket 7/16"	1	ALN11614	3/8" Drive 12 Point SAE Socket 3/4"	1
ALN11610	3/8" Drive 12 Point SAE Socket 1/2"	1	ALN11615	3/8" Drive 12 Point SAE Socket 13/16"	1
ALN11611	3/8" Drive 12 Point SAE Socket 9/16"	1	ALN11616	3/8" Drive 12 Point SAE Socket 7/8"	1

10 Pc. 3/8" Drive 12 Point Metric Socket Set



- Made in the USA - Quality and Availability
- Allendrive™ for higher torque and less chance for fastener rounding
- Socket storage rail included



Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN11709	3/8" Drive 12 Point Metric Socket 9mm	1	ALN11714	3/8" Drive 12 Point Metric Socket 14mm	1
ALN11710	3/8" Drive 12 Point Metric Socket 10mm	1	ALN11715	3/8" Drive 12 Point Metric Socket 15mm	1
ALN11711	3/8" Drive 12 Point Metric Socket 11mm	1	ALN11717	3/8" Drive 12 Point Metric Socket 17mm	1
ALN11712	3/8" Drive 12 Point Metric Socket 12mm	1	ALN11718	3/8" Drive 12 Point Metric Socket 18mm	1
ALN11713	3/8" Drive 12 Point Metric Socket 13mm	1	ALN11719	3/8" Drive 12 Point Metric Socket 19mm	1

9 Pc. 3/8" Drive 12 Point SAE Deep Socket Set

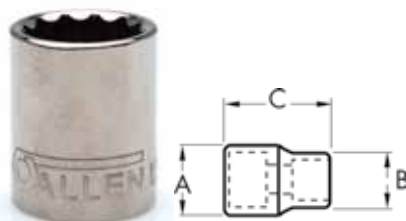


- Made in the USA - Quality and Availability
- Allendrive™ for higher torque and less chance for fastener rounding
- Socket storage rail included

Cat. No.	UPC No.	Packaging	Drive Type	Product Weight
ALN19115	082171191152	Carded	12 Point	2.10 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN11858	3/8" Drive 12 Point SAE Deep Socket 3/8"	1	ALN11863	3/8" Drive 12 Point SAE Deep Socket 11/16"	1
ALN11859	3/8" Drive 12 Point SAE Deep Socket 7/16"	1	ALN11864	3/8" Drive 12 Point SAE Deep Socket 3/4"	1
ALN11860	3/8" Drive 12 Point SAE Deep Socket 1/2"	1	ALN11865	3/8" Drive 12 Point SAE Deep Socket 13/16"	1
ALN11861	3/8" Drive 12 Point SAE Deep Socket 9/16"	1	ALN11866	3/8" Drive 12 Point SAE Deep Socket 7/8"	1
ALN11862	3/8" Drive 12 Point SAE Deep Socket 5/8"	1			

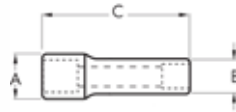
3/8" Drive 12 Point SAE Standard Length Sockets



- Made in the USA - Quality and Availability
- Allendrive™ sockets grip the fastener across a broader contact area and allows for greater torque loads without socket slippage
- Chamfered opening provides faster and easier socket fit over fastener
- Thinwall construction for better access to fasteners in limited areas
- Precision cold formed for exact, consistent dimensions and greater strength

Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Product Weight
ALN11606	082171116063	Carded	12 Point	5/16 in	0.66 in	0.46 in	0.95 in	0.03 lb
ALN11608	082171116087	Carded	12 Point	3/8 in	0.66 in	0.57 in	0.95 in	0.06 lb
ALN11609	082171116094	Carded	12 Point	7/16 in	0.66 in	0.66 in	0.95 in	0.06 lb
ALN11610	082171116100	Carded	12 Point	1/2 in	0.70 in	0.70 in	0.98 in	0.06 lb
ALN11611	082171116117	Carded	12 Point	9/16 in	0.78 in	0.78 in	0.98 in	0.07 lb
ALN11612	082171116124	Carded	12 Point	5/8 in	0.85 in	0.85 in	1.02 in	0.07 lb
ALN11613	082171116131	Carded	12 Point	11/16 in	0.93 in	0.93 in	1.02 in	0.13 lb
ALN11614	082171116148	Carded	12 Point	3/4 in	1.00 in	1.00 in	1.14 in	0.13 lb
ALN11615	082171116155	Carded	12 Point	13/16 in	1.08 in	1.08 in	1.14 in	0.13 lb
ALN11616	082171116162	Carded	12 Point	7/8 in	1.19 in	1.19 in	1.20 in	0.13 lb

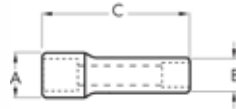
3/8" Drive 12 Point SAE Deep Sockets



- Made in the USA - Quality and Availability
- Allendrive™ sockets grip the fastener across a broader contact area and allows for greater torque loads without socket slippage
- Chamfered opening provides faster and easier socket fit over fastener
- Thinwall construction for better access to fasteners in limited areas
- Precision cold formed for exact, consistent dimensions and greater strength

Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Product Weight
ALN11858	082171118586	Carded	12 Point	3/8 in	0.66 in	0.57 in	2.51 in	0.13 lb
ALN11859	082171118593	Carded	12 Point	7/16 in	0.66 in	0.66 in	2.51 in	0.13 lb
ALN11860	082171118609	Carded	12 Point	1/2 in	0.70 in	0.70 in	2.51 in	0.15 lb
ALN11861	082171118616	Carded	12 Point	9/16 in	0.78 in	0.78 in	2.51 in	0.15 lb
ALN11862	082171118623	Carded	12 Point	5/8 in	0.87 in	0.87 in	2.51 in	0.19 lb
ALN11863	082171118630	Carded	12 Point	11/16 in	0.93 in	0.93 in	2.51 in	0.24 lb
ALN11864	082171118647	Carded	12 Point	3/4 in	1.00 in	1.00 in	2.51 in	0.24 lb
ALN11865	082171118654	Carded	12 Point	13/16 in	1.08 in	1.08 in	2.53 in	0.34 lb
ALN11866	082171118661	Carded	12 Point	7/8 in	1.19 in	1.19 in	2.53 in	0.34 lb

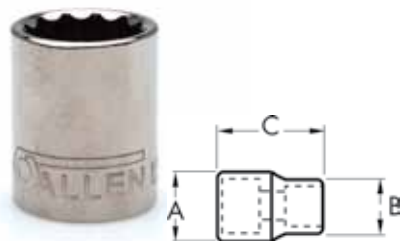
3/8" Drive 6 Point SAE Deep Sockets



- Made in the USA - Quality and Availability
- Allendrive™ sockets grip the fastener across a broader contact area and allows for greater torque loads without socket slippage
- Chamfered opening provides faster and easier socket fit over fastener
- Thinwall construction for better access to fasteners in limited areas
- Precision cold formed for exact, consistent dimensions and greater strength

Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Product Weight
ALN11658	082171116582	Carded	6 Point	3/8 in	0.66 in	0.66 in	2.51 in	0.13 lb
ALN11659	082171116599	Carded	6 Point	7/16 in	0.66 in	0.66 in	2.51 in	0.13 lb
ALN11660	082171116605	Carded	6 Point	1/2 in	0.70 in	0.70 in	2.51 in	0.15 lb
ALN11661	082171116612	Carded	6 Point	9/16 in	0.78 in	0.78 in	2.51 in	0.15 lb
ALN11662	082171116629	Carded	6 Point	5/8 in	0.87 in	0.87 in	2.51 in	0.19 lb
ALN11663	082171116636	Carded	6 Point	11/16 in	0.92 in	0.92 in	2.51 in	0.24 lb
ALN11664	082171116643	Carded	6 Point	3/4 in	1.00 in	1.00 in	2.51 in	0.24 lb
ALN11665	082171116650	Carded	6 Point	13/16 in	1.08 in	1.08 in	2.53 in	0.34 lb
ALN11666	082171116667	Carded	6 Point	7/8 in	1.19 in	1.19 in	2.53 in	0.34 lb

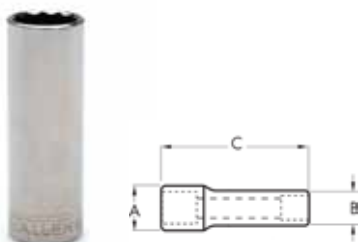
3/8" Drive 12 Point Metric Standard Length Sockets



- Made in the USA - Quality and Availability
- Allendrive™ sockets grip the fastener across a broader contact area and allows for greater torque loads without socket slippage
- Chamfered opening provides faster and easier socket fit over fastener
- Thinwall construction for better access to fasteners in limited areas
- Precision cold formed for exact, consistent dimensions and greater strength

Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Product Weight
ALN11709	082171117091	Carded	12 Point	9 mm	0.66 in	0.52 in	0.95 in	0.05 lb
ALN11710	082171117107	Carded	12 Point	10 mm	0.66 in	0.52 in	0.95 in	0.05 lb
ALN11711	082171117114	Carded	12 Point	11 mm	0.66 in	0.66 in	0.95 in	0.06 lb
ALN11712	082171117121	Carded	12 Point	12 mm	0.69 in	0.69 in	0.98 in	0.06 lb
ALN11713	082171117138	Carded	12 Point	13 mm	0.70 in	0.70 in	0.98 in	0.07 lb
ALN11714	082171117145	Carded	12 Point	14 mm	0.76 in	0.76 in	0.98 in	0.07 lb
ALN11715	082171117152	Carded	12 Point	15 mm	0.80 in	0.80 in	0.98 in	0.08 lb
ALN11716	082171117169	Carded	12 Point	16 mm	0.85 in	0.85 in	1.02 in	0.09 lb
ALN11717	082171117176	Carded	12 Point	17 mm	0.91 in	0.91 in	1.02 in	0.11 lb
ALN11718	082171117183	Carded	12 Point	18 mm	0.94 in	0.94 in	1.14 in	0.12 lb
ALN11719	082171117190	Carded	12 Point	19 mm	1.00 in	1.00 in	1.14 in	0.13 lb
ALN11721	082171117213	Carded	12 Point	21 mm	1.07 in	1.07 in	1.14 in	0.19 lb

3/8" Drive 12 Point Metric Deep Sockets



- Made in the USA - Quality and Availability
- Allendrive™ sockets grip the fastener across a broader contact area and allows for greater torque loads without socket slippage
- Chamfered opening provides faster and easier socket fit over fastener
- Thinwall construction for better access to fasteners in limited areas
- Precision cold formed for exact, consistent dimensions and greater strength

Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Product Weight
ALN11759	082171117596	Carded	12 Point	9 mm	0.66 in	0.52 in	2.51 in	0.12 lb
ALN11760	082171117602	Carded	12 Point	10 mm	0.66 in	0.59 in	2.51 in	0.12 lb
ALN11761	082171117619	Carded	12 Point	11 mm	0.66 in	0.66 in	2.51 in	0.13 lb
ALN11762	082171117626	Carded	12 Point	12 mm	0.69 in	0.69 in	2.51 in	0.13 lb
ALN11763	082171117633	Carded	12 Point	13 mm	0.70 in	0.70 in	2.51 in	0.15 lb
ALN11764	082171117640	Carded	12 Point	14 mm	0.78 in	0.78 in	2.51 in	0.15 lb
ALN11765	082171117657	Carded	12 Point	15 mm	0.80 in	0.80 in	2.51 in	0.17 lb
ALN11766	082171117664	Carded	12 Point	16 mm	0.87 in	0.87 in	2.51 in	0.19 lb
ALN11767	082171117671	Carded	12 Point	17 mm	0.91 in	0.91 in	2.51 in	0.22 lb
ALN11768	082171117688	Carded	12 Point	18 mm	0.94 in	0.94 in	2.51 in	0.22 lb
ALN11769	082171117695	Carded	12 Point	19 mm	1.00 in	1.00 in	2.51 in	0.25 lb

1

3 / 8 " D R I V E

3/8" Drive SAE Spark Plug Sockets



- Made in the USA - Quality and Availability
- Precision cold formed for exact, consistent dimensions and greater strength



Cat. No.	UPC No.	Packaging	Fastener Size	Overall Length	Product Weight
ALN11695	082171116957	Carded	5/8 in	2.48 in	0.20 lb
ALN11696	082171116964	Carded	13/16 in	2.51 in	0.29 lb

3/8" Drive Quick Release Ratchet



- Made in the USA - Quality and Availability
- Torque-Wrap™ design provides greater torque strength and lifetime durability
- 10 degree ratcheting arc for better operation in tight spots
- QuickFlip™ Reversing lever for easy one hand reversing

Cat. No.	UPC No.	Packaging	Overall Length	Tooth Count	Product Weight
ALN11800	082171118005	Carded	7.625 in	36	0.80 lb

3/8" Drive Round Head Ratchet



- Made in the USA - Quality and Availability
- Torque-Wrap™ design provides greater torque strength and lifetime durability
- 8 degree ratcheting arc for even greater versatility in tight spots

Cat. No.	UPC No.	Packaging	Overall Length	Tooth Count	Product Weight
ALN11801	082171118012	Carded	7.625 in	36	0.70 lb

3/8" Drive Extensions



- Made in the USA - Quality and Availability

Cat. No.	UPC No.	Packaging	Length	Product Weight
ALN11805	082171118050	Carded	3 in	0.17 lb
ALN11810	082171118104	Carded	6 in	0.32 lb
ALN11812	082171118128	Carded	10 in	0.53 lb

3/8" Drive Flex Handle / Breaker Bar



- Made in the USA - Quality and Availability
- Manufactured from alloy steel and heat treated for greater strength and durability

Cat. No.	UPC No.	Packaging	Overall Length	Product Weight
ALN11820	082171118203	Carded	9.50 in	0.80 lb

3/8" Drive Quick Release Flex Head Ratchet



- Made in the USA - Quality and Availability
- Torque-Wrap™ design provides greater torque strength and lifetime durability
- 10 degree ratcheting arc for better operation in tight spots
- QuickFlip™ Reversing lever for easy one hand reversing

Cat. No.	UPC No.	Packaging	Overall Length	Tooth Count	Product Weight
ALN11822	082171118227	Carded	11.375 in	36	1.06 lb

3/8" Drive Adapters



- Made in the USA - Quality and Availability
- Chrome Vanadium alloy steel for long lasting durability

Cat. No.	UPC No.	Packaging	Overall Length	Female Drive Size	Male Drive Size	Product Weight
ALN11827	082171118272	Carded	1.00 in	3/8"	1/4"	0.06 lb
ALN11825	082171118258	Carded	1.40 in	3/8"	1/2"	0.10 lb

3/8" Drive Universal Joint



- Made in the USA - Quality and Availability
- Chrome Vanadium alloy steel for long lasting durability

Cat. No.	UPC No.	Packaging	Overall Length	Female Drive Size	Male Drive Size	Product Weight
ALN11830	082171118302	Carded	2.00 in	3/8"	3/8"	0.16 lb

23 Pc. 1/2" Drive 6 and 12 Point SAE Socket Set



- All Tools are Made in the USA - Quality and Availability
- Set includes most popular sizes of Standard and Deep Sockets
- Grey Metal Storage Box Included

Cat. No.	UPC No.	Packaging	Product Weight
ALN19210	082171192104	Metal Box	13.52 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN12900	1/2" Drive Teardrop Quick Release Ratchet	1	ALN12618	1/2" Drive 12 Point SAE Socket 1"	1
ALN12910	1/2" Drive 6" Extension	1	ALN12619	1/2" Drive 12 Point SAE Socket 1-1/16"	1
ALN12920	1/2" Drive Flex Handle 15"	1	ALN12620	1/2" Drive 12 Point SAE Socket 1-1/8"	1
-	1/2" Drive 6 Point SAE Socket 1/2"	1	ALN12622	1/2" Drive 12 Point SAE Socket 1-1/4"	1
-	1/2" Drive 6 Point SAE Socket 7/16"	1	ALN12560	1/2" Drive 12 Point SAE Deep Socket 1/2"	1
-	1/2" Drive 6 Point SAE Socket 9/16"	1	ALN12561	1/2" Drive 12 Point SAE Deep Socket 9/16"	1
ALN12612	1/2" Drive 12 Point SAE Socket 5/8"	1	ALN12562	1/2" Drive 12 Point SAE Deep Socket 5/8"	1
ALN12613	1/2" Drive 12 Point SAE Socket 11/16"	1	ALN12563	1/2" Drive 12 Point SAE Deep Socket 11/16"	1
ALN12614	1/2" Drive 12 Point SAE Socket 3/4"	1	ALN12564	1/2" Drive 12 Point SAE Deep Socket 3/4"	1
ALN12615	1/2" Drive 12 Point SAE Socket 13/16"	1	ALN12565	1/2" Drive 12 Point SAE Deep Socket 13/16"	1
ALN12616	1/2" Drive 12 Point SAE Socket 7/8"	1	ALN12566	1/2" Drive 12 Point SAE Deep Socket 7/8"	1
ALN12617	1/2" Drive 12 Point SAE Socket 15/16"	1			

16 Pc. 1/2" Drive 12 Point SAE Socket Set



- All Tools are Made in the USA - Quality and Availability
- Grey Metal Storage Box Included

Cat. No.	UPC No.	Packaging	Product Weight
ALN19211	082171192111	Metal Box	9.80 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN12900	1/2" Drive Teardrop Quick Release Ratchet	1	ALN12614	1/2" Drive 12 Point SAE Socket 3/4"	1
ALN12910	1/2" Drive 6" Extension	1	ALN12615	1/2" Drive 12 Point SAE Socket 13/16"	1
ALN12920	1/2" Drive Flex Handle 15"	1	ALN12616	1/2" Drive 12 Point SAE Socket 7/8"	1
ALN12609	1/2" Drive 12 Point SAE Socket 7/16"	1	ALN12617	1/2" Drive 12 Point SAE Socket 15/16"	1
ALN12610	1/2" Drive 12 Point SAE Socket 1/2"	1	ALN12618	1/2" Drive 12 Point SAE Socket 1"	1
ALN12611	1/2" Drive 12 Point SAE Socket 9/16"	1	ALN12619	1/2" Drive 12 Point SAE Socket 1-1/16"	1
ALN12612	1/2" Drive 12 Point SAE Socket 5/8"	1	ALN12620	1/2" Drive 12 Point SAE Socket 1-1/8"	1
ALN12613	1/2" Drive 12 Point SAE Socket 11/16"	1	ALN12622	1/2" Drive 12 Point SAE Socket 1-1/4"	1

12 Pc. 1/2" Drive 12 Point SAE Socket Set



- All Tools are Made in the USA - Quality and Availability
- Grey Metal Storage Box Included



Cat. No.	UPC No.	Packaging	Product Weight
ALN19212	082171192128	Metal Box	6.54 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN12900	1/2" Drive Teardrop Quick Release Ratchet	1	ALN12613	1/2" Drive 12 Point SAE Socket 11/16"	1
ALN12910	1/2" Drive 6" Extension	1	ALN12614	1/2" Drive 12 Point SAE Socket 3/4"	1
ALN12609	1/2" Drive 12 Point SAE Socket 7/16"	1	ALN12615	1/2" Drive 12 Point SAE Socket 13/16"	1
ALN12610	1/2" Drive 12 Point SAE Socket 1/2"	1	ALN12616	1/2" Drive 12 Point SAE Socket 7/8"	1
ALN12611	1/2" Drive 12 Point SAE Socket 9/16"	1	ALN12617	1/2" Drive 12 Point SAE Socket 15/16"	1
ALN12612	1/2" Drive 12 Point SAE Socket 5/8"	1	ALN12618	1/2" Drive 12 Point SAE Socket 1"	1

12 Pc. 1/2" Drive 12 Point SAE Mechanics Tool Set



- All Tools are Made in the USA - Quality and Availability
- Blow Molded Case Included



Cat. No.	UPC No.	Packaging
ALN19253	082171192531	Blow Mold Case

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN12901	1/2" Drive Round Head Ratchet	1	ALN12612	1/2" Drive 12 Point SAE Socket 5/8"	1
ALN12910	1/2" Drive 6" Extension	1	ALN12613	1/2" Drive 12 Point SAE Socket 11/16"	1
ALN12912	1/2" Drive 10" Extension	1	ALN12614	1/2" Drive 12 Point SAE Socket 3/4"	1
ALN12609	1/2" Drive 12 Point SAE Socket 7/16"	1	ALN12615	1/2" Drive 12 Point SAE Socket 13/16"	1
ALN12610	1/2" Drive 12 Point SAE Socket 1/2"	1	ALN12616	1/2" Drive 12 Point SAE Socket 7/8"	1
ALN12611	1/2" Drive 12 Point SAE Socket 9/16"	1	ALN12617	1/2" Drive 12 Point SAE Socket 15/16"	1

11 Pc. 1/2" Drive 12 Point SAE Deep Socket Set



- Made in the USA - Quality and Availability
- Allendrive™ for higher torque and less chance for fastener rounding
- Socket storage rail included



Cat. No.	UPC No.	Packaging	Drive Type	Product Weight
ALN19215	082171192159	Carded	12 Point	4.82 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN12560	1/2" Drive 12 Point SAE Deep Socket 1/2"	1	ALN12566	1/2" Drive 12 Point SAE Deep Socket 7/8"	1
ALN12561	1/2" Drive 12 Point SAE Deep Socket 9/16"	1	ALN12567	1/2" Drive 12 Point SAE Deep Socket 15/16"	1

11 Pc. 1/2" Drive 12 Point SAE Deep Socket Set Continued

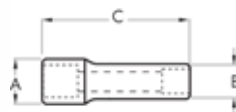
Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN12562	1/2" Drive 12 Point SAE Deep Socket 5/8"	1	ALN12568	1/2" Drive 12 Point SAE Deep Socket 1"	1
ALN12563	1/2" Drive 12 Point SAE Deep Socket 11/16"	1	ALN12569	1/2" Drive 12 Point SAE Deep Socket 1-1/16"	1
ALN12564	1/2" Drive 12 Point SAE Deep Socket 3/4"	1	ALN12570	1/2" Drive 12 Point SAE Deep Socket 1-1/8"	1
ALN12565	1/2" Drive 12 Point SAE Deep Socket 13/16"	1			

11 Pc. 1/2" Drive 6 Point SAE Deep Socket Set


- Made in the USA - Quality and Availability
- Allendrive™ for higher torque and less chance for fastener rounding
- Socket storage rail included

Cat. No.	UPC No.	Packaging	Drive Type	Product Weight
ALN19216	082171192166	Carded	6 Point	5.35 lb

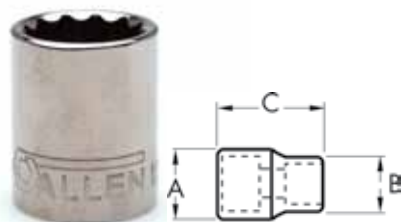
Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	1/2" Drive 6 Point SAE Deep Socket 1/2"	1	-	1/2" Drive 6 Point SAE Deep Socket 7/8"	1
-	1/2" Drive 6 Point SAE Deep Socket 9/16"	1	-	1/2" Drive 6 Point SAE Deep Socket 15/16"	1
-	1/2" Drive 6 Point SAE Deep Socket 5/8"	1	-	1/2" Drive 6 Point SAE Deep Socket 1"	1
-	1/2" Drive 6 Point SAE Deep Socket 11/16"	1	-	1/2" Drive 6 Point SAE Deep Socket 1-1/16"	1
-	1/2" Drive 6 Point SAE Deep Socket 3/4"	1	-	1/2" Drive 6 Point SAE Deep Socket 1-1/8"	1
-	1/2" Drive 6 Point SAE Deep Socket 13/16"	1			

1/2" Drive 12 Point SAE Deep Sockets


- Made in the USA - Quality and Availability
- Allendrive™ sockets grip the fastener across a broader contact area and allows for greater torque loads without socket slippage
- Chamfered opening provides faster and easier socket fit over fastener
- Thinwall construction for better access to fasteners in limited areas
- Precision cold formed for exact, consistent dimensions and greater strength

Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Product Weight
ALN12560	082171125607	Carded	12 Point	1/2 in	0.88 in	0.75 in	3.27 in	0.30 lb
ALN12561	082171125614	Carded	12 Point	9/16 in	0.88 in	0.82 in	3.27 in	0.30 lb
ALN12562	082171125621	Carded	12 Point	5/8 in	0.88 in	0.88 in	3.27 in	0.30 lb
ALN12563	082171125638	Carded	12 Point	11/16 in	0.97 in	0.97 in	3.27 in	0.32 lb
ALN12564	082171125645	Carded	12 Point	3/4 in	1.04 in	1.04 in	3.27 in	0.38 lb
ALN12565	082171125652	Carded	12 Point	13/16 in	1.13 in	1.13 in	3.27 in	0.43 lb
ALN12566	082171125669	Carded	12 Point	7/8 in	1.20 in	1.20 in	3.27 in	0.43 lb
ALN12567	082171125676	Carded	12 Point	15/16 in	1.27 in	1.27 in	3.27 in	0.57 lb
ALN12568	082171125683	Carded	12 Point	1 in	1.35 in	1.35 in	3.27 in	0.64 lb
ALN12569	082171125690	Carded	12 Point	1-1/16 in	1.43 in	1.43 in	3.27 in	0.66 lb
ALN12570	082171125706	Carded	12 Point	1-1/8 in	1.51 in	1.51 in	3.27 in	0.75 lb

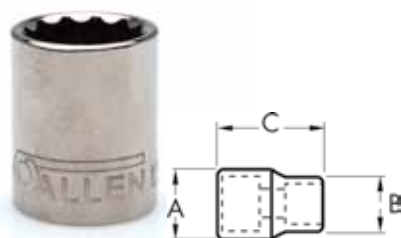
1/2" Drive 12 Point SAE Standard Length Sockets



- Made in the USA - Quality and Availability
- Allendrive™ sockets grip the fastener across a broader contact area and allows for greater torque loads without socket slippage
- Chamfered opening provides faster and easier socket fit over fastener
- Thinwall construction for better access to fasteners in limited areas
- Precision cold formed for exact, consistent dimensions and greater strength

Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Product Weight
ALN12608	082171126086	Carded	12 Point	3/8 in	0.87 in	0.52 in	1.51 in	0.13 lb
ALN12609	082171126093	Carded	12 Point	7/16 in	0.88 in	0.68 in	1.51 in	0.13 lb
ALN12610	082171126109	Carded	12 Point	1/2 in	0.88 in	0.75 in	1.51 in	0.18 lb
ALN12611	082171126116	Carded	12 Point	9/16 in	0.88 in	0.82 in	1.51 in	0.18 lb
ALN12612	082171126123	Carded	12 Point	5/8 in	0.88 in	0.88 in	1.51 in	0.18 lb
ALN12613	082171126130	Carded	12 Point	11/16 in	0.98 in	0.98 in	1.51 in	0.18 lb
ALN12614	082171126147	Carded	12 Point	3/4 in	1.04 in	1.04 in	1.51 in	0.18 lb
ALN12615	082171126154	Carded	12 Point	13/16 in	1.12 in	1.12 in	1.51 in	0.25 lb
ALN12616	082171126161	Carded	12 Point	7/8 in	1.19 in	1.19 in	1.51 in	0.25 lb
ALN12617	082171126178	Carded	12 Point	15/16 in	1.26 in	1.26 in	1.51 in	0.28 lb
ALN12618	082171126185	Carded	12 Point	1 in	1.34 in	1.34 in	1.64 in	0.34 lb
ALN12619	082171126192	Carded	12 Point	1-1/16 in	1.41 in	1.41 in	1.64 in	0.38 lb
ALN12620	082171126208	Carded	12 Point	1-1/8 in	1.50 in	1.50 in	1.70 in	0.43 lb
ALN12622	082171126222	Carded	12 Point	1-1/4 in	1.65 in	1.65 in	1.77 in	0.55 lb
ALN12226	082171122262	Carded	12 Point	1-1/2 in	1.97 in	1.97 in	1.92 in	0.78 lb

1/2" Drive 12 Point Metric Standard Length Sockets



- Made in the USA - Quality and Availability
- Allendrive™ sockets grip the fastener across a broader contact area and allows for greater torque loads without socket slippage
- Chamfered opening provides faster and easier socket fit over fastener
- Thinwall construction for better access to fasteners in limited areas
- Precision cold formed for exact, consistent dimensions and greater strength

Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Product Weight
ALN12709	082171127090	Carded	12 Point	9 mm	0.87 in	0.56 in	1.51 in	0.13 lb
ALN12710	082171127106	Carded	12 Point	10 mm	0.87 in	0.61 in	1.51 in	0.13 lb
ALN12711	082171127113	Carded	12 Point	11 mm	0.87 in	0.72 in	1.51 in	0.13 lb
ALN12712	082171127120	Carded	12 Point	12 mm	0.87 in	0.73 in	1.51 in	0.13 lb
ALN12713	082171127137	Carded	12 Point	13 mm	0.87 in	0.76 in	1.51 in	0.13 lb
ALN12714	082171127144	Carded	12 Point	14 mm	0.87 in	0.83 in	1.51 in	0.13 lb
ALN12715	082171127151	Carded	12 Point	15 mm	0.87 in	0.87 in	1.51 in	0.13 lb

1/2" Drive 12 Point Metric Standard Length Sockets Continued

Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Product Weight
ALN12716	082171127168	Carded	12 Point	16 mm	0.89 in	0.89 in	1.51 in	0.13 lb
ALN12717	082171127175	Carded	12 Point	17 mm	0.94 in	0.94 in	1.51 in	0.15 lb
ALN12718	082171127182	Carded	12 Point	18 mm	1.00 in	1.00 in	1.51 in	0.18 lb
ALN12719	082171127199	Carded	12 Point	19 mm	1.04 in	1.04 in	1.51 in	0.18 lb
ALN12720	082171127205	Carded	12 Point	20 mm	1.08 in	1.08 in	1.51 in	0.20 lb
ALN12721	082171127212	Carded	12 Point	21 mm	1.12 in	1.12 in	1.51 in	0.24 lb
ALN12722	082171127229	Carded	12 Point	22 mm	1.18 in	1.18 in	1.51 in	0.24 lb
ALN12723	082171127236	Carded	12 Point	23 mm	1.22 in	1.22 in	1.51 in	0.25 lb
ALN12724	082171127243	Carded	12 Point	24 mm	1.26 in	1.26 in	1.51 in	0.28 lb
ALN12725	082171127250	Carded	12 Point	25 mm	1.31 in	1.31 in	1.51 in	0.33 lb
ALN12726	082171127267	Carded	12 Point	26 mm	1.38 in	1.38 in	1.64 in	0.36 lb
ALN12727	082171127274	Carded	12 Point	27 mm	1.41 in	1.41 in	1.64 in	0.44 lb
ALN12728	082171127281	Carded	12 Point	28 mm	1.49 in	1.49 in	1.70 in	0.52 lb
ALN12730	082171127304	Carded	12 Point	30 mm	1.56 in	1.56 in	1.77 in	0.52 lb
ALN12732	082171127328	Carded	12 Point	32 mm	1.65 in	1.65 in	1.92 in	0.55 lb

1/2" Drive SAE Spark Plug Sockets



- Made in the USA - Quality and Availability
- Precision cold formed for exact, consistent dimensions and greater strength



Cat. No.	UPC No.	Packaging	Fastener Size	Overall Length	Product Weight
ALN12695	082171126956	Carded	5/8 in	2.46 in	0.20 lb
ALN12696	082171126963	Carded	13/16 in	2.51 in	0.26 lb

1/2" Drive Quick Release Ratchet



- Made in the USA - Quality and Availability
- Torque-Wrap™ design provides greater torque strength and lifetime durability
- 10 degree ratcheting arc for better operation in tight spots
- QuickFlip™ Reversing lever for easy one hand reversing

Cat. No.	UPC No.	Packaging	Overall Length	Tooth Count	Product Weight
ALN12900	082171129001	Carded	10.31 in	36	1.55 lb

1/2" Drive Round Head Ratchet



- Made in the USA - Quality and Availability
- Torque-Wrap™ design provides greater torque strength and lifetime durability
- 8 degree ratcheting arc for even greater versatility in tight spots

Cat. No.	UPC No.	Packaging	Overall Length	Tooth Count	Product Weight
ALN12901	082171129018	Carded	10.375 in	36	1.40 lb

1/2" Drive Quick Release Flex Head Ratchet



- Made in the USA - Quality and Availability
- Torque-Wrap™ design provides greater torque strength and lifetime durability
- 10 degree ratcheting arc for better operation in tight spots
- QuickFlip™ Reversing lever for easy one hand reversing

Cat. No.	UPC No.	Packaging	Overall Length	Tooth Count	Product Weight
ALN12902	082171129025	Carded	16.750 in	36	2.30 lb

1/2" Drive Round Head Long Handle Ratchet



- Made in the USA - Quality and Availability
- Torque-Wrap™ design provides greater torque strength and lifetime durability
- 8 degree ratcheting arc for even greater versatility in tight spots

Cat. No.	UPC No.	Packaging	Overall Length	Tooth Count	Product Weight
ALN12903	082171129032	Carded	15.00 in	36	1.80 lb

1/2" Drive Extensions



- Made in the USA - Quality and Availability

Cat. No.	UPC No.	Packaging	Length	Product Weight
ALN12905	082171129056	Carded	3 in	0.28 lb
ALN12910	082171129100	Carded	6 in	0.56 lb
ALN12912	082171129124	Carded	10 in	0.90 lb

1/2" Drive Flex Handle / Breaker Bar



- Made in the USA - Quality and Availability
- Manufactured from alloy steel and heat treated for greater strength and durability



Cat. No.	UPC No.	Packaging	Overall Length	Product Weight
ALN12920	082171129209	Carded	15.00 in	1.92 lb

1/2" Drive Adapters



- Made in the USA - Quality and Availability
- Chrome Vanadium alloy steel for long lasting durability

Cat. No.	UPC No.	Packaging	Overall Length	Female Drive Size	Male Drive Size	Product Weight
ALN12927	082171129278	Carded	1.44 in	1/2"	3/8"	0.22 lb
ALN12928	082171129285	Carded	1.76 in	1/2"	3/4"	0.29 lb

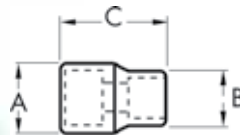
1/2" Drive Universal Joint



- Made in the USA - Quality and Availability
- Chrome Vanadium alloy steel for long lasting durability

Cat. No.	UPC No.	Packaging	Overall Length	Female Drive Size	Male Drive Size	Product Weight
ALN12930	082171129308	Carded	2.69 in	1/2"	1/2"	0.30 lb

3/4" Drive 12 Point SAE Standard Length Sockets



- Made in the USA - Quality and Availability
- Allendrive™ sockets grip the fastener across a broader contact area and allows for greater torque loads without socket slippage
- Chamfered opening provides faster and easier socket fit over fastener
- Thinwall construction for better access to fasteners in limited areas
- Precision cold formed for exact, consistent dimensions and greater strength

Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Product Weight
ALN13203	082171132032	Carded	12 Point	15/16 in	1.40 in	1.33 in	1.88 in	0.31 lb

3/4" Drive 12 Point SAE Standard Length Sockets Continued

Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Product Weight
ALN13204	082171132049	Carded	12 Point	1 in	1.40 in	1.48 in	1.88 in	0.31 lb
ALN13205	082171132056	Carded	12 Point	1-1/16 in	1.40 in	1.55 in	2.00 in	0.31 lb
ALN13206	082171132063	Carded	12 Point	1-1/8 in	1.40 in	1.55 in	2.00 in	0.31 lb
ALN13207	082171132070	Carded	12 Point	1-3/16 in	1.50 in	1.70 in	2.13 in	0.44 lb
ALN13208	082171132087	Carded	12 Point	1-1/4 in	1.50 in	1.78 in	2.13 in	0.50 lb
ALN13209	082171132094	Carded	12 Point	1-5/16 in	1.50 in	1.85 in	2.13 in	0.56 lb
ALN13210	082171132100	Carded	12 Point	1-3/8 in	1.50 in	1.92 in	2.19 in	0.63 lb
ALN13211	082171132117	Carded	12 Point	1-7/16 in	1.50 in	2.02 in	2.25 in	0.69 lb
ALN13212	082171132124	Carded	12 Point	1-1/2 in	1.63 in	2.10 in	2.31 in	0.69 lb
ALN13213	082171132131	Carded	12 Point	1-9/16 in	1.63 in	2.10 in	2.31 in	0.81 lb
ALN13214	082171132148	Carded	12 Point	1-5/8 in	1.63 in	2.25 in	2.38 in	0.81 lb
ALN13215	082171132155	Carded	12 Point	1-11/16 in	1.75 in	2.32 in	2.44 in	1.00 lb
ALN13216	082171132162	Carded	12 Point	1-3/4 in	1.75 in	2.39 in	2.50 in	1.06 lb
ALN13217	082171132179	Carded	12 Point	1-13/16 in	1.75 in	2.47 in	2.56 in	1.06 lb
ALN13218	082171132186	Carded	12 Point	1-7/8 in	1.75 in	2.60 in	2.62 in	1.38 lb
ALN13220	082171132209	Carded	12 Point	2 in	1.75 in	2.76 in	2.69 in	1.69 lb
ALN13222	082171132223	Carded	12 Point	2-1/8 in	1.75 in	2.90 in	2.81 in	1.88 lb
ALN13224	082171132247	Carded	12 Point	2-1/4 in	1.75 in	3.09 in	2.94 in	2.12 lb

3/4" Drive Quick Release Teardrop Ratchet



- Made in the USA - Quality and Availability
- Torque-Wrap™ design provides greater torque strength and lifetime durability
- 10 degree ratcheting arc for better operation in tight spots
- QuickFlip™ Reversing lever for easy one hand reversing

Cat. No.	UPC No.	Packaging	Overall Length	Tooth Count	Product Weight
ALN13900	082171139000	Carded	19.69 in	36	5.47 lb

3/4" Drive Ratchet Repair Kit

- Made in the USA - Quality and Availability

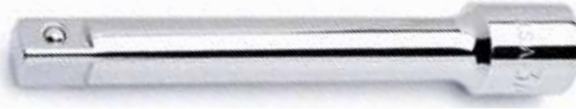


Cat. No.	UPC No.	Packaging	Description	Fits Product Number	Tooth Count	Product Weight
ALN13901	082171139017	Bagged	3/4" Drive Ratchet Repair Kit	ALN13900	36	1.20 lb

3/4" Drive Extensions



■ Made in the USA - Quality and Availability



Cat. No.	UPC No.	Length	Product Weight
ALN13910	082171139109	5 in	1.14 lb
ALN13912	082171139123	8 in	1.74 lb
ALN13914	082171139147	16 in	2.08 lb

3/4" Drive Flex Handle / Breaker Bar



■ Made in the USA - Quality and Availability
 ■ Manufactured from alloy steel and heat treated for greater strength and durability



Cat. No.	UPC No.	Overall Length	Product Weight
ALN13920	082171139208	17.55 in	3.73 lb

3/4" Drive Sliding T-Handle



■ Made in the USA - Quality and Availability
 ■ Manufactured from alloy steel and heat treated for greater strength and durability



Cat. No.	UPC No.	Overall Length	Product Weight
ALN13922	082171139222	18.00 in	3.17 lb

3/4" Drive Adapters



■ Made in the USA - Quality and Availability
 ■ Chrome Vanadium alloy steel for long lasting durability



Cat. No.	UPC No.	Overall Length	Female Drive Size	Male Drive Size	Product Weight
ALN13927	082171139277	2.00 in	3/4"	1/2"	0.44 lb
ALN13928	082171139284	2.00 in	3/4"	1"	1.24 lb

8 Pc. 3/8" Drive 6 Point SAE Impact Socket Set



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability
- Black Oxide Finish
- Includes Socket Rail



Cat. No.	UPC No.
ALN19500	082171195006

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	3/8" Drive 6 Point SAE Impact Socket 5/16"	1	-	3/8" Drive 6 Point SAE Impact Socket 9/16"	1
-	3/8" Drive 6 Point SAE Impact Socket 3/8"	1	-	3/8" Drive 6 Point SAE Impact Socket 5/8"	1
-	3/8" Drive 6 Point SAE Impact Socket 7/16"	1	-	3/8" Drive 6 Point SAE Impact Socket 11/16"	1
-	3/8" Drive 6 Point SAE Impact Socket 1/2"	1	-	3/8" Drive 6 Point SAE Impact Socket 3/4"	1

8 Pc. 3/8" Drive 6 Point Metric Impact Socket Set



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability
- Black Oxide Finish
- Includes Socket Rail



Cat. No.	UPC No.	Product Weight
ALN19502	082171195020	1.60 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	3/8" Drive 6 Point Metric Impact Socket 8mm	1	-	3/8" Drive 6 Point Metric Impact Socket 14mm	1
-	3/8" Drive 6 Point Metric Impact Socket 9mm	1	-	3/8" Drive 6 Point Metric Impact Socket 15mm	1
-	3/8" Drive 6 Point Metric Impact Socket 10mm	1	-	3/8" Drive 6 Point Metric Impact Socket 16mm	1
-	3/8" Drive 6 Point Metric Impact Socket 11mm	1	-	3/8" Drive 6 Point Metric Impact Socket 17mm	1
-	3/8" Drive 6 Point Metric Impact Socket 12mm	1	-	3/8" Drive 6 Point Metric Impact Socket 18mm	1
-	3/8" Drive 6 Point Metric Impact Socket 13mm	1	-	3/8" Drive 6 Point Metric Impact Socket 19mm	1

8 Pc. 3/8" Drive 6 Point Metric Impact Socket Set



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability
- Black Oxide Finish
- Includes Socket Rail



Cat. No.	UPC No.	Product Weight
ALN19502	082171195020	1.60 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	3/8" Drive 6 Point Metric Impact Socket 8mm	1	-	3/8" Drive 6 Point Metric Impact Socket 14mm	1
-	3/8" Drive 6 Point Metric Impact Socket 9mm	1	-	3/8" Drive 6 Point Metric Impact Socket 15mm	1
-	3/8" Drive 6 Point Metric Impact Socket 10mm	1	-	3/8" Drive 6 Point Metric Impact Socket 16mm	1
-	3/8" Drive 6 Point Metric Impact Socket 11mm	1	-	3/8" Drive 6 Point Metric Impact Socket 17mm	1
-	3/8" Drive 6 Point Metric Impact Socket 12mm	1	-	3/8" Drive 6 Point Metric Impact Socket 18mm	1
-	3/8" Drive 6 Point Metric Impact Socket 13mm	1	-	3/8" Drive 6 Point Metric Impact Socket 19mm	1

7 Pc. 1/2" Drive 6 Point SAE Impact Socket Set



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability
- Black Oxide Finish
- Includes Socket Rail

Cat. No.	UPC No.	Product Weight
ALN19503	082171195037	1.72 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN35274	1/2" Drive 6 Point Impact Socket 7/16"	1	ALN35033	1/2" Drive 6 Point Impact Socket 11/16"	1
ALN35275	1/2" Drive 6 Point Impact Socket 1/2"	1	ALN35034	1/2" Drive 6 Point Impact Socket 3/4"	1
ALN35030	1/2" Drive 6 Point Impact Socket 9/16"	1	ALN35035	1/2" Drive 6 Point Impact Socket 13/16"	1
ALN35032	1/2" Drive 6 Point Impact Socket 5/8"	1			

14 Pc. 1/2" Drive 6 Point SAE Impact Socket Set



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability
- Black Oxide Finish
- Includes Socket Rail

Cat. No.	UPC No.	Product Weight
ALN19504	082171195044	5.38 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	1/2" Drive 6 Point SAE Impact Socket 3/8"	1	ALN35035	1/2" Drive 6 Point Impact Socket 13/16"	1
ALN35274	1/2" Drive 6 Point Impact Socket 7/16"	1	ALN35036	1/2" Drive 6 Point Impact Socket 7/8"	1
ALN35275	1/2" Drive 6 Point Impact Socket 1/2"	1	ALN35037	1/2" Drive 6 Point Impact Socket 15/16"	1
ALN35030	1/2" Drive 6 Point Impact Socket 9/16"	1	ALN35277	1/2" Drive 6 Point Impact Socket 1"	1
ALN35032	1/2" Drive 6 Point Impact Socket 5/8"	1	ALN35279	1/2" Drive 6 Point Impact Socket 1-1/16"	1
ALN35033	1/2" Drive 6 Point Impact Socket 11/16"	1	ALN35281	1/2" Drive 6 Point Impact Socket 1-1/8"	1
ALN35034	1/2" Drive 6 Point Impact Socket 3/4"	1	ALN35283	1/2" Drive 6 Point Impact Socket 1-1/4"	1

8 Pc. 1/2" Drive 6 Point SAE Deep Impact Socket Set



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability
- Black Oxide Finish
- Includes Socket Rail

Cat. No.	UPC No.	Product Weight
ALN19505	082171195051	4.50 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN35295	1/2" Drive 6 Point Deep Impact Socket 7/16"	1	ALN35093	1/2" Drive 6 Point Deep Impact Socket 11/16"	1
ALN35090	1/2" Drive 6 Point Deep Impact Socket 1/2"	1	ALN35094	1/2" Drive 6 Point Deep Impact Socket 3/4"	1
ALN35091	1/2" Drive 6 Point Deep Impact Socket 9/16"	1	ALN35095	1/2" Drive 6 Point Deep Impact Socket 13/16"	1
ALN35092	1/2" Drive 6 Point Deep Impact Socket 5/8"	1	ALN35096	1/2" Drive 6 Point Deep Impact Socket 7/8"	1

12 Pc. 1/2" Drive 6 Point Metric Impact Socket Set

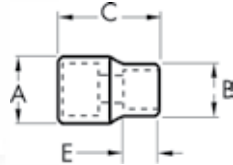


- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability
- Black Oxide Finish
- Includes Socket Rail

Cat. No.	UPC No.	Product Weight
ALN19507	082171195075	2.92 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
ALN35303	1/2" Drive 6 Point Impact Socket 10mm	1	ALN35315	1/2" Drive 6 Point Impact Socket 16mm	1
ALN35305	1/2" Drive 6 Point Impact Socket 11mm	1	ALN35317	1/2" Drive 6 Point Impact Socket 17mm	1
ALN35307	1/2" Drive 6 Point Impact Socket 12mm	1	ALN35319	1/2" Drive 6 Point Impact Socket 18mm	1
ALN35309	1/2" Drive 6 Point Impact Socket 13mm	1	ALN35321	1/2" Drive 6 Point Impact Socket 19mm	1
ALN35311	1/2" Drive 6 Point Impact Socket 14mm	1	ALN35336	1/2" Drive 6 Point Impact Socket 20mm	1
ALN35313	1/2" Drive 6 Point Impact Socket 15mm	1	ALN35322	1/2" Drive 6 Point Impact Socket 21mm	1

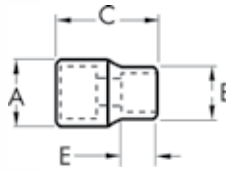
1/2" Drive 6 Point SAE Impact Sockets



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability
- Black Oxide Finish

Cat. No.	UPC No.	Packaging	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Dim. E: Wrench Depth	Product Weight
ALN35274	082171352744	Carded	7/16 in	0.88 in	0.89 in	1.50 in	0.24 in	0.15 lb
ALN35275	082171352751	Carded	1/2 in	0.96 in	0.89 in	1.50 in	0.28 in	0.15 lb
ALN35030	082171350306	Carded	9/16 in	0.96 in	0.89 in	1.50 in	0.32 in	0.20 lb
ALN35032	082171350320	Carded	5/8 in	0.96 in	1.00 in	1.50 in	0.35 in	0.20 lb
ALN35033	082171350337	Carded	11/16 in	1.05 in	1.08 in	1.50 in	0.35 in	0.25 lb
ALN35034	082171350344	Carded	3/4 in	1.19 in	1.15 in	1.50 in	0.39 in	0.34 lb
ALN35035	082171350351	Carded	13/16 in	1.26 in	1.25 in	1.61 in	0.43 in	0.39 lb
ALN35036	082171350368	Carded	7/8 in	1.26 in	1.30 in	1.61 in	0.49 in	0.39 lb
ALN35037	082171350375	Carded	15/16 in	1.31 in	1.36 in	1.75 in	0.51 in	0.46 lb
ALN35277	082171352775	Carded	1 in	1.43 in	1.46 in	1.75 in	0.53 in	0.48 lb
ALN35279	082171352799	Carded	1-1/16 in	1.49 in	1.53 in	1.75 in	0.63 in	0.54 lb
ALN35281	082171352812	Carded	1-1/8 in	1.56 in	1.59 in	2.00 in	0.81 in	0.65 lb
ALN35283	082171352836	Carded	1-1/4 in	1.75 in	1.76 in	2.00 in	0.91 in	0.90 lb

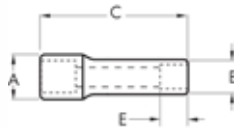
1/2" Drive 6 Point Metric Impact Sockets



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability

Cat. No.	UPC No.	Packaging	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Dim. E: Wrench Depth	Product Weight
ALN35303	082171353031	Carded	10 mm	0.87 in	0.89 in	1.50 in	0.28 in	0.15 lb
ALN35305	082171353055	Carded	11 mm	0.87 in	0.89 in	1.50 in	0.32 in	0.15 lb
ALN35307	082171353079	Carded	12 mm	0.87 in	0.89 in	1.50 in	0.35 in	0.15 lb
ALN35309	082171353093	Carded	13 mm	0.96 in	0.89 in	1.50 in	0.35 in	0.20 lb
ALN35311	082171353116	Carded	14 mm	0.96 in	0.89 in	1.50 in	0.39 in	0.20 lb
ALN35313	082171353130	Carded	15 mm	0.96 in	0.96 in	1.50 in	0.43 in	0.20 lb
ALN35315	082171353154	Carded	16 mm	0.96 in	1.02 in	1.50 in	0.43 in	0.20 lb
ALN35317	082171353178	Carded	17 mm	1.05 in	1.05 in	1.50 in	0.43 in	0.25 lb
ALN35319	082171353192	Carded	18 mm	1.09 in	1.08 in	1.50 in	0.47 in	0.28 lb
ALN35321	082171353215	Carded	19 mm	1.19 in	1.15 in	1.50 in	0.47 in	0.33 lb
ALN35336	082171353369	Carded	20 mm	1.19 in	1.19 in	1.61 in	0.51 in	0.36 lb
ALN35322	082171353222	Carded	21 mm	1.26 in	1.27 in	1.61 in	0.51 in	0.40 lb
ALN35323	082171353239	Carded	22 mm	1.26 in	1.30 in	1.61 in	0.57 in	0.40 lb

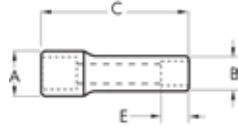
1/2" Drive 6 Point SAE Deep Impact Sockets



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability

Cat. No.	UPC No.	Packaging	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Dim. E: Wrench Depth	Product Weight
ALN35294	082171352942	Carded	3/8 in	0.88 in	0.88 in	3.23 in	0.55 in	0.38 lb
ALN35295	082171352959	Carded	7/16 in	0.88 in	0.88 in	3.23 in	0.55 in	0.38 lb
ALN35090	082171350900	Carded	1/2 in	0.96 in	0.88 in	3.23 in	0.87 in	0.38 lb
ALN35091	082171350917	Carded	9/16 in	0.96 in	0.88 in	3.23 in	0.98 in	0.38 lb
ALN35092	082171350924	Carded	5/8 in	0.96 in	1.00 in	3.23 in	1.06 in	0.38 lb
ALN35093	082171350931	Carded	11/16 in	1.05 in	1.06 in	3.23 in	1.14 in	0.38 lb
ALN35094	082171350948	Carded	3/4 in	1.19 in	1.19 in	3.23 in	1.26 in	0.60 lb
ALN35095	082171350955	Carded	13/16 in	1.26 in	1.26 in	3.23 in	1.34 in	0.60 lb
ALN35096	082171350962	Carded	7/8 in	1.26 in	1.30 in	3.23 in	1.34 in	0.66 lb
ALN35097	082171350979	Carded	15/16 in	1.31 in	1.44 in	3.23 in	1.34 in	0.75 lb
ALN35297	082171352973	Carded	1 in	1.43 in	1.53 in	3.23 in	1.34 in	1.12 lb
ALN35298	082171352980	Carded	1-1/16 in	1.49 in	1.59 in	3.23 in	1.34 in	1.21 lb
ALN35299	082171352997	Carded	1-1/8 in	1.56 in	1.59 in	3.50 in	0.81 in	1.25 lb
ALN35301	082171353017	Carded	1-1/4 in	1.75 in	1.75 in	3.50 in	0.88 in	1.48 lb

1/2" Drive 6 Point Metric Deep Impact Sockets



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability



Cat. No.	UPC No.	Packaging	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Dim. E: Wrench Depth	Product Weight
ALN35193	082171351938	Carded	13 mm	0.96 in	0.88 in	3.23 in	0.87 in	0.19
ALN35194	082171351945	Carded	14 mm	0.96 in	0.88 in	3.23 in	0.98 in	0.19
ALN35326	082171353260	Carded	15 mm	0.96 in	0.94 in	3.23 in	1.06 in	0.42 lb
ALN35196	082171351969	Carded	16 mm	0.96 in	1.00 in	3.23 in	1.06 in	0.38
ALN35197	082171351976	Carded	17 mm	1.05 in	1.06 in	3.23 in	1.14 in	0.38
ALN35327	082171353277	Carded	18 mm	1.09 in	1.06 in	3.23 in	1.26 in	0.54 lb
ALN35328	082171353284	Carded	19 mm	1.19 in	1.19 in	3.23 in	1.26 in	0.64 lb
ALN35335	082171353352	Carded	20 mm	1.25 in	1.19 in	3.50 in	1.34 in	0.71 lb
ALN35329	082171353291	Carded	21 mm	1.26 in	1.27 in	3.23 in	1.34 in	0.71 lb
ALN35330	082171353307	Carded	22 mm	1.26 in	1.30 in	3.23 in	1.34 in	0.71 lb
ALN35331	082171353314	Carded	30 mm	1.63 in	1.69 in	3.23 in	0.88 in	1.33 lb
ALN35332	082171353321	Carded	32 mm	1.75 in	1.75 in	3.50 in	0.88 in	1.48 lb
ALN35333	082171353338	Carded	36 mm	2.00 in	2.07 in	3.50 in	0.88 in	1.97 lb

1/2" Drive Impact Universal Joint



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability



Cat. No.	UPC No.	Packaging	Length	Product Weight
ALN35284	082171352843	Carded	2.81 in	0.84 lb

1/2" Drive Impact Extensions



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability



Cat. No.	UPC No.	Packaging	Overall Length	Product Weight
ALN35285	082171352850	Carded	3 in	0.32 lb
ALN35287	082171352874	Carded	6 in	0.60 lb
ALN35289	082171352898	Carded	10 in	0.97 lb

1/2" Drive Impact Adapters

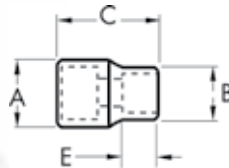


- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability



Cat. No.	UPC No.	Packaging	Female Drive Size	Male Drive Size	Length	Product Weight
ALN35291	082171352911	Carded	1/2"	3/8"	1.50 in	0.16 lb
ALN35293	082171352935	Carded	1/2"	3/4"	1.69 in	0.29 lb

3/4" Drive 6 Point SAE Impact Sockets

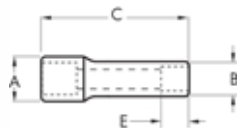


- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability



Cat. No.	UPC No.	Packaging	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Dim. E: Wrench Depth	Product Weight
ALN36114	082171361142	Carded	3/4 in	1.17 in	1.63 in	3.13 in	0.31 in	0.54 lb
ALN36115	082171361159	Carded	13/16 in	1.23 in	1.63 in	3.13 in	0.56 in	0.73 lb
ALN36116	082171361166	Carded	7/8 in	1.36 in	1.63 in	3.13 in	0.61 in	0.76 lb
ALN36117	082171361173	Carded	15/16 in	1.50 in	1.63 in	2.13 in	0.61 in	0.76 lb
ALN36118	082171361180	Carded	1 in	1.56 in	1.63 in	2.13 in	0.59 in	0.76 lb
ALN36119	082171361197	Carded	1-1/16 in	1.63 in	1.63 in	2.13 in	0.55 in	0.80 lb
ALN36120	082171361203	Carded	1-1/8 in	1.69 in	1.69 in	2.13 in	0.81 in	0.88 lb
ALN36121	082171361210	Carded	1-3/16 in	1.75 in	1.75 in	2.13 in	0.81 in	1.02 lb
ALN36122	082171361227	Carded	1-1/4 in	1.88 in	1.88 in	2.13 in	0.88 in	1.04 lb
ALN36123	082171361234	Carded	1-5/16 in	2.00 in	2.00 in	2.13 in	0.91 in	1.20 lb
ALN36124	082171361241	Carded	1-3/8 in	2.00 in	2.00 in	2.13 in	0.77 in	1.26 lb
ALN36125	082171361258	Carded	1-7/16 in	2.13 in	1.94 in	2.25 in	0.78 in	1.28 lb
ALN36126	082171361265	Carded	1-1/2 in	2.13 in	1.94 in	2.25 in	0.80 in	1.48 lb

3/4" Drive 6 Point SAE Deep Impact Sockets



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability



Cat. No.	UPC No.	Packaging	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Dim. E: Wrench Depth	Product Weight
ALN36164	082171361647	Carded	3/4 in	1.23 in	1.63 in	3.13 in	0.56 in	1.08 lb

3/4" Drive 6 Point SAE Deep Impact Sockets Continued

Cat. No.	UPC No.	Packaging	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Dim. E: Wrench Depth	Product Weight
ALN36165	082171361654	Carded	13/16 in	1.36 in	1.63 in	3.13 in	0.61 in	1.08 lb
ALN36166	082171361661	Carded	7/8 in	1.50 in	1.63 in	3.13 in	0.61 in	1.10 lb
ALN36167	082171361678	Carded	15/16 in	1.56 in	1.63 in	3.13 in	0.59 in	1.10 lb
ALN36168	082171361685	Carded	1 in	1.63 in	1.63 in	3.13 in	0.55 in	1.26 lb
ALN36169	082171361692	Carded	1-1/16 in	1.63 in	1.75 in	3.50 in	0.81 in	1.36 lb
ALN36170	082171361708	Carded	1-1/8 in	1.69 in	1.75 in	3.50 in	0.81 in	1.36 lb
ALN36171	082171361715	Carded	1-3/16 in	1.81 in	1.88 in	3.50 in	0.81 in	1.58 lb
ALN36172	082171361722	Carded	1-1/4 in	1.81 in	1.88 in	3.50 in	0.91 in	1.74 lb
ALN36173	082171361739	Carded	1-5/16 in	2.00 in	1.88 in	3.50 in	0.88 in	1.88 lb
ALN36174	082171361746	Carded	1-3/8 in	2.13 in	1.88 in	3.50 in	0.88 in	1.92 lb
ALN36175	082171361753	Carded	1-7/16 in	2.13 in	1.88 in	3.50 in	0.88 in	1.92 lb
ALN36176	082171361760	Carded	1-1/2 in	2.31 in	1.88 in	3.50 in	0.86 in	1.92 lb

3/4" Drive Impact Extensions



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability

Cat. No.	UPC No.	Packaging	Overall Length	Product Weight
ALN36207	082171362071	Carded	7 in	1.60 lb

3/4" Drive Impact Universal Joint



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability



Cat. No.	UPC No.	Packaging	Length	Product Weight
ALN36210	082171362101	Carded	1.75 in	1.31 lb

3/4" Drive Impact Adapters

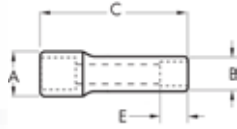


- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability



Cat. No.	UPC No.	Packaging	Female Drive Size	Male Drive Size	Length	Product Weight
ALN36211	082171362118	Carded	3/4"	1/2"	2.00 in	0.70 lb

3/4" Drive Budd Wheel Deep Length Double Open Impact Socket



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated for Greater Strength and Durability



Cat. No.	UPC No.	Fastener Size	Dim. A: Drive End	Dim. B: Nose Diameter	Dim. C: Overall Length	Dim. E: Wrench Depth	Product Weight
ALN36276	082171362767	1-1/2 in	2.25 in	2.25 in	4.00 in	0.75 in	3.06 lb

7 Pc. 3/8" Drive Metric Hex Bit Socket Set



- Made in the USA - Quality and Availability
- Chrome vanadium alloy steel sockets
- Heat treated alloy steel insert bits permanently pressed into socket base
- Includes Metric sizes: 3mm, 4mm, 5mm, 6mm, 7mm, 8 mm, 10mm



Cat. No.	UPC No.	Packaging	Product Weight
58667	082171586675	Carded	0.91 lb

9 Pc. 3/8" Drive SAE Hex Bit Socket Set



- Made in the USA - Quality and Availability
- Chrome vanadium alloy steel sockets
- Heat treated alloy steel insert bits permanently pressed into socket base
- Includes SAE sizes: 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"



Cat. No.	UPC No.	Packaging	Product Weight
56373	082171563737	Carded	1.20 lb

3/8" Drive SAE/Metric Hex Bit Sockets

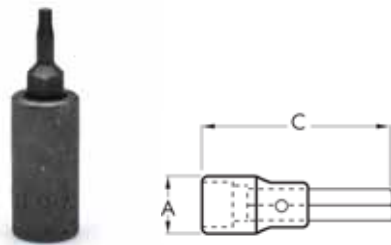


- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated to Prevent Shattering and Premature Bit Wear



Cat. No.	UPC No.	Packaging	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length	Product Weight
58808	082171588082	Carded	3/16 in	0.69 in	2.07 in	0.03 lb
ALN58830	082171588303	Carded	7/32 in	0.69 in	2.07 in	0.03 lb
ALN58832	082171588327	Carded	1/4 in	0.94 in	2.92 in	0.08 lb
ALN58834	082171588341	Carded	5/16 in	0.94 in	2.92 in	0.11 lb
ALN58835	082171588358	Carded	3/8 in	0.94 in	2.92 in	0.12 lb
58676	082171586767	Carded	3 mm	0.69 in	2.07 in	0.03 lb
58678	082171586781	Carded	4 mm	0.69 in	2.07 in	0.03 lb
58680	082171586804	Carded	5 mm	0.69 in	2.07 in	0.05 lb
ALN58706	082171587061	Carded	6 mm	0.69 in	2.07 in	0.09 lb
ALN58708	082171587085	Carded	8 mm	0.69 in	2.07 in	0.11 lb
ALN58710	082171587108	Carded	10 mm	0.69 in	2.09 in	0.12 lb

1/4" Drive Torx® Bit Sockets

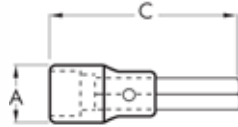


- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated to Prevent Shattering and Premature Bit Wear



Cat. No.	UPC No.	Packaging	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length	Product Weight
ALN58901	082171589010	Carded	T-9	0.50 in	1.13 in	0.04 lb
ALN58902	082171589027	Carded	T-10	0.50 in	1.13 in	0.04 lb
ALN58904	082171589041	Carded	T-15	0.50 in	1.13 in	0.04 lb
ALN58905	082171589058	Carded	T-20	0.50 in	1.13 in	0.04 lb
ALN58907	082171589072	Carded	T-25	0.50 in	1.13 in	0.05 lb
ALN58908	082171589089	Carded	T-27	0.50 in	1.13 in	0.05 lb
ALN58910	082171589102	Carded	T-30	0.50 in	1.13 in	0.05 lb

3/8" Drive Torx® Bit Sockets



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated to Prevent Shattering and Premature Bit Wear



Cat. No.	UPC No.	Packaging	Fastener Size	Dim. A: Drive End	Dim. C: Overall Length	Product Weight
ALN58911	082171589119	Carded	T-40	0.75 in	1.63 in	0.12 lb
ALN58913	082171589133	Carded	T-45	0.75 in	1.63 in	0.12 lb
ALN58914	082171589140	Carded	T-50	0.75 in	1.63 in	0.12 lb
ALN58916	082171589164	Carded	T-55	0.75 in	1.63 in	0.16 lb

3/8" Drive Torx® Press Fit Socket



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated to Prevent Shattering and Premature Bit Wear



Cat. No.	UPC No.	Packaging	Fastener Size	Product Weight
ALN58899	082171588990	Carded	T-47	0.13 lb

1/2" Drive Torx® Bit Socket



- Made in the USA - Quality and Availability
- Manufactured From High Alloy Steel and Heat Treated to Prevent Shattering and Premature Bit Wear



Cat. No.	UPC No.	Packaging	Fastener Size	Product Weight
ALN58917	082171589171	Carded	T-60	0.27 lb

7 Pc. 12 Point SAE Combination Wrench Set



- Made in the USA - Quality and Availability
- Drop forged and through hardened alloy is stronger, tougher and lasts longer
- Allengrip™ finish provides greater comfort and less chance for grip slippage
- 15 degree offset handle offers better knuckle clearance
- Allendrive™ box end for maximum torque with less chance of fastener head rounding
- Chamfered box end opening allows for faster and easier fit over fastener
- Nickel-chrome finish provides lifetime corrosion resistance

Cat. No.	UPC No.	Packaging	Product Weight
ALN29000	082171290008	Plastic Rack	2.00 lb

Cat. No.	Description	Cat. No.	Description
ALN20208	12 Point SAE Combination Wrench, 3/8"	ALN20212	12 Point SAE Combination Wrench, 5/8"
ALN20209	12 Point SAE Combination Wrench, 7/16"	ALN20213	12 Point SAE Combination Wrench, 11/16"
ALN20210	12 Point SAE Combination Wrench, 1/2"	ALN20214	12 Point SAE Combination Wrench, 3/4"
ALN20211	12 Point SAE Combination Wrench, 9/16"		

7 Pc. 12 Point Metric Combination Wrench Set



- Made in the USA - Quality and Availability
- Drop forged and through hardened alloy is stronger, tougher and lasts longer
- Allengrip™ finish provides greater comfort and less chance for grip slippage
- 15 degree offset handle offers better knuckle clearance
- Allendrive™ box end for maximum torque with less chance of fastener head rounding
- Chamfered box end opening allows for faster and easier fit over fastener
- Nickel-chrome finish provides lifetime corrosion resistance

Cat. No.	UPC No.	Packaging	Product Weight
ALN29002	082171290022	Plastic Rack	1.94 lb

Cat. No.	Description	Cat. No.	Description
ALN20310	12 Point Metric Combination Wrench, 10mm	ALN20315	12 Point Metric Combination Wrench, 15mm
ALN20312	12 Point Metric Combination Wrench, 12mm	ALN20317	12 Point Metric Combination Wrench, 17mm
ALN20313	12 Point Metric Combination Wrench, 13mm	ALN20319	12 Point Metric Combination Wrench, 19mm
ALN20314	12 Point Metric Combination Wrench, 14mm		

10 Pc. 12 Point SAE Combination Wrench Set



- Made in the USA - Quality and Availability
- Drop forged and through hardened alloy is stronger, tougher and lasts longer
- Allengrip™ finish provides greater comfort and less chance for grip slippage
- 15 degree offset handle offers better knuckle clearance
- Allendrive™ box end for maximum torque with less chance of fastener head rounding
- Chamfered box end opening allows for faster and easier fit over fastener
- Nickel-chrome finish provides lifetime corrosion resistance

Cat. No.	UPC No.	Packaging	Product Weight
ALN29007	082171290077	Plastic Tray	3.07 lb

Cat. No.	Description	Cat. No.	Description
ALN20204	12 Point SAE Combination Wrench, 1/4"	ALN20211	12 Point SAE Combination Wrench, 9/16"
ALN20206	12 Point SAE Combination Wrench, 5/16"	ALN20212	12 Point SAE Combination Wrench, 5/8"
ALN20208	12 Point SAE Combination Wrench, 3/8"	ALN20213	12 Point SAE Combination Wrench, 11/16"
ALN20209	12 Point SAE Combination Wrench, 7/16"	ALN20214	12 Point SAE Combination Wrench, 3/4"
ALN20210	12 Point SAE Combination Wrench, 1/2"	ALN20216	12 Point SAE Combination Wrench, 7/8"

10 Pc. 12 Point Metric Combination Wrench Set



- Made in the USA - Quality and Availability
- Drop forged and through hardened alloy is stronger, tougher and lasts longer
- Allengrip™ finish provides greater comfort and less chance for grip slippage
- 15 degree offset handle offers better knuckle clearance
- Allendrive™ box end for maximum torque with less chance of fastener head rounding
- Chamfered box end opening allows for faster and easier fit over fastener
- Nickel-chrome finish provides lifetime corrosion resistance

Cat. No.	UPC No.	Packaging	Product Weight
ALN29008	082171290084	Plastic Tray	2.33 lb

Cat. No.	Description	Cat. No.	Description
ALN20307	12 Point Metric Combination Wrench, 7mm	ALN20313	12 Point Metric Combination Wrench, 13mm
ALN20308	12 Point Metric Combination Wrench, 8mm	ALN20314	12 Point Metric Combination Wrench, 14mm
ALN20310	12 Point Metric Combination Wrench, 10mm	ALN20315	12 Point Metric Combination Wrench, 15mm
ALN20311	12 Point Metric Combination Wrench, 11mm	ALN20317	12 Point Metric Combination Wrench, 17mm
ALN20312	12 Point Metric Combination Wrench, 12mm	ALN20318	12 Point Metric Combination Wrench, 18mm

1
WRENCHES

14 Pc. 12 Point SAE Combination Wrench Set



- Made in the USA - Quality and Availability
- Drop forged and through hardened alloy is stronger, tougher and lasts longer
- Allengrip™ finish provides greater comfort and less chance for grip slippage
- 15 degree offset handle offers better knuckle clearance
- Allendrive™ box end for maximum torque with less chance of fastener head rounding
- Chamfered box end opening allows for faster and easier fit over fastener
- Nickel-chrome finish provides lifetime corrosion resistance

Cat. No.	UPC No.	Packaging	Product Weight
ALN29010	082171290107	Vinyl Roll	10.28 lb

Cat. No.	Description	Cat. No.	Description
ALN20208	12 Point SAE Combination Wrench, 3/8"	ALN20215	12 Point SAE Combination Wrench, 13/16"
ALN20209	12 Point SAE Combination Wrench, 7/16"	ALN20216	12 Point SAE Combination Wrench, 7/8"
ALN20210	12 Point SAE Combination Wrench, 1/2"	ALN20217	12 Point SAE Combination Wrench, 15/16"
ALN20211	12 Point SAE Combination Wrench, 9/16"	ALN20218	12 Point SAE Combination Wrench, 1"
ALN20212	12 Point SAE Combination Wrench, 5/8"	ALN20219	12 Point SAE Combination Wrench, 1-1/16"
ALN20213	12 Point SAE Combination Wrench, 11/16"	ALN20220	12 Point SAE Combination Wrench, 1-1/8"
ALN20214	12 Point SAE Combination Wrench, 3/4"	ALN20222	12 Point SAE Combination Wrench, 1-1/4"

5 Pc. 12 Point SAE Combination Wrench Set



- Made in the USA - Quality and Availability
- Drop forged and through hardened alloy is stronger, tougher and lasts longer
- Allengrip™ finish provides greater comfort and less chance for grip slippage
- 15 degree offset handle offers better knuckle clearance
- Allendrive™ box end for maximum torque with less chance of fastener head rounding
- Chamfered box end opening allows for faster and easier fit over fastener
- Nickel-chrome finish provides lifetime corrosion resistance

Cat. No.	UPC No.	Packaging	Product Weight
ALN29022	082171290220	Vinyl Roll	6.62 lb

Cat. No.	Description	Cat. No.	Description
ALN20206	12 Point SAE Combination Wrench, 5/16"	ALN20210	12 Point SAE Combination Wrench, 1/2"
ALN20208	12 Point SAE Combination Wrench, 3/8"	ALN20211	12 Point SAE Combination Wrench, 9/16"
ALN20209	12 Point SAE Combination Wrench, 7/16"		

5 Pc. 12 Point Metric Combination Wrench Set



- Made in the USA - Quality and Availability
- Drop forged and through hardened alloy is stronger, tougher and lasts longer
- Allengrip™ finish provides greater comfort and less chance for grip slippage
- 15 degree offset handle offers better knuckle clearance
- Allendrive™ box end for maximum torque with less chance of fastener head rounding
- Chamfered™ box end opening allows for faster and easier fit over fastener
- Nickel-chrome finish provides lifetime corrosion resistance

Cat. No.	UPC No.	Packaging	Product Weight
ALN29023	082171290237	Vinyl Roll	0.61 lb

Cat. No.	Description	Cat. No.	Description
ALN20308	12 Point Metric Combination Wrench, 8mm	ALN20312	12 Point Metric Combination Wrench, 12mm
ALN20310	12 Point Metric Combination Wrench, 10mm	ALN20313	12 Point Metric Combination Wrench, 13mm
ALN20311	12 Point Metric Combination Wrench, 11mm		

6 Pc. SAE Open End Wrench Set



- Made in the USA - Quality and Availability
- Drop forged and through hardened alloy is stronger, tougher and lasts longer
- Allengrip™ finish provides greater comfort and less chance for grip slippage
- Nickel-chrome finish provides lifetime corrosion resistance

Cat. No.	UPC No.	Packaging	Product Weight
ALN29100	082171291005	Vinyl Pouch	1.60 lb

Cat. No.	Description	Cat. No.	Description
ALN20664	1/4" x 5/16" Open End Wrench	-	9/16" x 5/8" Open End Wrench
ALN20665	3/8" x 7/16" Open End Wrench	-	11/16" x 13/16" Open End Wrench
ALN20670	1/2" x 9/16" Open End Wrench	-	3/4" x 7/8" Open End Wrench

8 Pc. SAE 15° and 80° Angle Wrench Set



- Made in the USA - Quality and Availability
- With One Size Opening Per Wrench, One Head is Angled 15° and the Other is Angled 80° Providing Different Turning Angles for Greater Access in Tight Work Areas
- Full Polish Chrome Finish

Cat. No.	UPC No.	Packaging	Product Weight
ALN29121	082171291210	Vinyl Pouch	0.34 lb

Cat. No.	Description	Cat. No.	Description
-	7/32" Midget Open End 15° and 80° Angle Wrench	-	5/16" Midget Open End 15° and 80° Angle Wrench
-	15/64" Midget Open End 15° and 80° Angle Wrench	-	11/32" Midget Open End 15° and 80° Angle Wrench
-	1/4" Midget Open End 15° and 80° Angle Wrench	-	3/8" Midget Open End 15° and 80° Angle Wrench
-	9/32" Midget Open End 15° and 80° Angle Wrench	-	7/16" Midget Open End 15° and 80° Angle Wrench

3 Pc. SAE Flare Nut Wrench Set



- Made in the USA - Quality and Availability
- Flare Nut Wrenches Are Used to Grip Fittings in a Closed System Such As Hydraulic Lines, Fuel Lines, or Air Line Applications
- Full Polish Chrome Finish

Cat. No.	UPC No.	Packaging	Product Weight
ALN29202	082171292026	Vinyl Pouch	0.82 lb

Cat. No.	Description	Cat. No.	Description
ALN21434	Double Head Flare Nut Wrench 3/8" x 7/16"	ALN21442	Double Head Flare Nut Wrench 5/8" x 11/16"
ALN21440	Double Head Flare Nut Wrench 1/2" x 9/16"		

3 Pc. Metric Flare Nut Wrench Set



- Made in the USA - Quality and Availability
- Flare Nut Wrenches Are Used to Grip Fittings in a Closed System Such As Hydraulic Lines, Fuel Lines, or Air Line Applications
- Full Polish Chrome Finish

Cat. No.	UPC No.	Packaging	Product Weight
ALN29203	082171292033	Vinyl Pouch	0.84 lb

Cat. No.	Description	Cat. No.	Description
-	Double Head Flare Nut Wrench 11mm x 12mm	-	Double Head Flare Nut Wrench 15mm x 17mm
-	Double Head Flare Nut Wrench 13mm x 14mm		

5 Pc. 12 Point SAE 15° Offset Box End Wrench Set



- Made in the USA - Quality and Availability
- Allendrive™ box end for maximum torque with less chance of fastener head rounding
- Box Ends are offset 15° offering better knuckle clearance
- Chamfered opening allows for faster and easier fit over fastener
- Nickel-chrome finish provides lifetime corrosion resistance

Cat. No.	UPC No.	Packaging	Product Weight
ALN29300	082171293009	Vinyl Pouch	2.00 lb

Cat. No.	Description	Cat. No.	Description
ALN22658	Offset Box End Wrench 3/8" x 7/16"	-	Offset Box End Wrench 11/16" x 13/16"
ALN22660	Offset Box End Wrench 1/2" x 9/16"	-	Offset Box End Wrench 3/4" x 7/8"
-	Offset Box End Wrench 5/8" x 3/4"		

4 Pc. SAE Double Box End Ratcheting Wrench Set



- Made in the USA - Quality and Availability
- Ratcheting Box End Speeds the Removal / Installation of Fasteners

Cat. No.	UPC No.	Packaging	Product Weight
ALN29301	082171293016	Vinyl Pouch	1.26 lb

Cat. No.	Description	Cat. No.	Description
-	Ratcheting Box End Wrench 1/4" x 5/16"	-	Ratcheting Box End Wrench 1/2" x 9/16"
-	Ratcheting Box End Wrench 3/8" x 7/16"	-	Ratcheting Box End Wrench 5/8" x 11/16"

12 Point SAE Combination Wrenches



- Made in the USA - Quality and Availability
- Drop forged and through hardened alloy is stronger, tougher and lasts longer
- Allengrip™ finish provides greater comfort and less chance for grip slippage
- 15 degree offset handle offers better knuckle clearance
- Allendrive™ box end for maximum torque with less chance of fastener head rounding
- Chamfered box end opening allows for faster and easier fit over fastener
- Nickel-chrome finish provides lifetime corrosion resistance

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
ALN20204	082171202049	Bulk	1/4 in	0.54 in	0.18 in	0.38 in	0.23 in	3.99 in	0.04 lb
ALN20604	082171206047	Carded	1/4 in	0.54 in	0.18 in	0.38 in	0.23 in	3.99 in	0.04 lb
ALN20206	082171202063	Bulk	5/16 in	0.72 in	0.20 in	0.47 in	0.25 in	4.38 in	0.06 lb
ALN20606	082171206061	Carded	5/16 in	0.72 in	0.20 in	0.47 in	0.25 in	4.38 in	0.06 lb
ALN20208	082171202087	Bulk	3/8 in	0.81 in	.20 in	0.56 in	0.29 in	5.32 in	0.08 lb
ALN20608	082171206085	Carded	3/8 in	0.81 in	.20 in	0.56 in	0.29 in	5.32 in	0.08 lb
ALN20209	082171202094	Bulk	7/16 in	0.87 in	0.24 in	0.66 in	0.30 in	5.88 in	0.12 lb
ALN20609	082171206092	Carded	7/16 in	0.87 in	0.24 in	0.66 in	0.30 in	5.88 in	0.12 lb
ALN20210	082171202100	Bulk	1/2 in	0.98 in	0.27 in	0.75 in	0.32 in	6.54 in	0.18 lb
ALN20610	082171206108	Carded	1/2 in	0.98 in	0.27 in	0.75 in	0.32 in	6.54 in	0.18 lb
ALN20211	082171202117	Bulk	9/16 in	1.14 in	0.29 in	0.84 in	0.35 in	7.13 in	0.22 lb
ALN20611	082171206115	Carded	9/16 in	1.14 in	0.29 in	0.84 in	0.35 in	7.13 in	0.22 lb
ALN20212	082171202124	Bulk	5/8 in	1.28 in	0.32 in	0.94 in	0.39 in	8.00 in	0.30 lb
ALN20612	082171206122	Carded	5/8 in	1.28 in	0.32 in	0.94 in	0.39 in	8.00 in	0.30 lb
ALN20213	082171202131	Bulk	11/16 in	1.39 in	0.35 in	1.03 in	0.42 in	8.81 in	0.38 lb
ALN20613	082171206139	Carded	11/16 in	1.39 in	0.35 in	1.03 in	0.42 in	8.81 in	0.38 lb
ALN20214	082171202148	Bulk	3/4 in	1.50 in	0.36 in	1.06 in	0.45 in	9.67 in	0.46 lb
ALN20614	082171206146	Carded	3/4 in	1.50 in	0.36 in	1.06 in	0.45 in	9.67 in	0.46 lb
ALN20215	082171202155	Bulk	13/16 in	1.69 in	0.37 in	1.18 in	0.48 in	10.58 in	0.56 lb
ALN20615	082171206153	Carded	13/16 in	1.69 in	0.37 in	1.18 in	0.48 in	10.58 in	0.56 lb
ALN20216	082171202162	Bulk	7/8 in	1.69 in	0.38 in	1.28 in	0.48 in	11.56 in	0.62 lb
ALN20616	082171206160	Carded	7/8 in	1.69 in	0.38 in	1.28 in	0.48 in	11.56 in	0.62 lb
ALN20217	082171202179	Bulk	15/16 in	1.86 in	0.39 in	1.37 in	0.51 in	12.58 in	0.68 lb
ALN20617	082171206177	Carded	15/16 in	1.86 in	0.39 in	1.37 in	0.51 in	12.58 in	0.68 lb
ALN20218	082171202186	Bulk	1 in	1.94 in	0.42 in	1.47 in	0.55 in	13.56 in	0.92 lb
ALN20618	082171206184	Carded	1 in	1.94 in	0.42 in	1.47 in	0.55 in	13.56 in	0.92 lb
ALN20219	082171202193	Bulk	1-1/16 in	2.16 in	0.44 in	1.61 in	0.55 in	14.69 in	1.14 lb
ALN20619	082171206191	Carded	1-1/16 in	2.16 in	0.44 in	1.61 in	0.55 in	14.69 in	1.14 lb
ALN20220	082171202209	Bulk	1-1/8 in	2.20 in	0.48 in	1.65 in	0.58 in	15.63 in	1.30 lb
ALN20620	082171206207	Carded	1-1/8 in	2.20 in	0.48 in	1.65 in	0.58 in	15.63 in	1.30 lb
ALN20222	082171202223	Bulk	1-1/4 in	2.49 in	0.51 in	1.82 in	0.58 in	16.94 in	1.78 lb
ALN20622	082171206221	Carded	1-1/4 in	2.49 in	0.51 in	1.82 in	0.58 in	16.94 in	1.78 lb

12 Point Metric Combination Wrenches



- Made in the USA - Quality and Availability
- Drop forged and through hardened alloy is stronger, tougher and lasts longer
- Allengrip™ finish provides greater comfort and less chance for grip slippage
- 15 degree offset handle offers better knuckle clearance
- Allendrive™ box end for maximum torque with less chance of fastener head rounding
- Chamfered box end opening allows for faster and easier fit over fastener
- Nickel-chrome finish provides lifetime corrosion resistance

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
ALN20307	082171203077	Bulk	7 mm	0.53 in	0.19 in	0.44 in	0.23 in	4.24 in	0.04 lb
ALN20707	082171207075	Carded	7 mm	0.53 in	0.19 in	0.44 in	0.23 in	4.24 in	0.04 lb
ALN20308	082171203084	Bulk	8 mm	0.72 in	.020 in	0.47 in	.025 in	4.38 in	0.06 lb
ALN20708	082171207082	Carded	8 mm	0.72 in	.020 in	0.47 in	.025 in	4.38 in	0.06 lb
ALN20309	082171203091	Bulk	9 mm	0.72 in	0.20 in	0.52 in	0.26 in	4.91 in	0.06 lb
ALN20709	082171207099	Carded	9 mm	0.72 in	0.20 in	0.52 in	0.26 in	4.91 in	0.06 lb
ALN20310	082171203107	Bulk	10 mm	0.81 in	.022 in	0.62 in	0.29 in	5.55 in	0.11 lb
ALN20710	082171207105	Carded	10 mm	0.81 in	.022 in	0.62 in	0.29 in	5.55 in	0.11 lb
ALN20311	082171203114	Bulk	11 mm	0.87 in	0.24 in	0.66 in	0.30 in	5.88 in	0.12 lb
ALN20711	082171207112	Carded	11 mm	0.87 in	0.24 in	0.66 in	0.30 in	5.88 in	0.12 lb
ALN20312	082171203121	Bulk	12 mm	0.94 in	0.25 in	0.72 in	0.32 in	6.27 in	0.12 lb
ALN20712	082171207129	Carded	12 mm	0.94 in	0.25 in	0.72 in	0.32 in	6.27 in	0.12 lb
ALN20313	082171203138	Bulk	13 mm	0.98 in	0.27 in	0.75 in	0.32 in	6.54 in	0.16 lb
ALN20713	082171207136	Carded	13 mm	0.98 in	0.27 in	0.75 in	0.32 in	6.54 in	0.16 lb
ALN20314	082171203145	Bulk	14 mm	1.14 in	0.29 in	0.84 in	0.35 in	7.13 in	0.22 lb
ALN20714	082171207143	Carded	14 mm	1.14 in	0.29 in	0.84 in	0.35 in	7.13 in	0.22 lb
ALN20315	082171203152	Bulk	15 mm	1.20 in	0.30 in	0.90 in	0.37 in	7.59 in	0.26 lb
ALN20715	082171207150	Carded	15 mm	1.20 in	0.30 in	0.90 in	0.37 in	7.59 in	0.26 lb
ALN20316	082171203169	Bulk	16 mm	1.28 in	0.32 in	0.94 in	0.39 in	8.00 in	0.30 lb
ALN20716	082171207167	Carded	16 mm	1.28 in	0.32 in	0.94 in	0.39 in	8.00 in	0.30 lb
ALN20317	082171203176	Bulk	17 mm	1.36 in	0.33 in	0.99 in	0.40 in	8.45 in	0.32 lb
ALN20717	082171207174	Carded	17 mm	1.36 in	0.33 in	0.99 in	0.40 in	8.45 in	0.32 lb
ALN20318	082171203183	Bulk	18 mm	1.39 in	0.35 in	1.03 in	0.42 in	8.81 in	0.36 lb
ALN20718	082171207181	Carded	18 mm	1.39 in	0.35 in	1.03 in	0.42 in	8.81 in	0.36 lb
ALN20319	082171203190	Bulk	19 mm	1.50 in	0.36 in	1.06 in	0.45 in	9.67 in	0.44 lb
ALN20719	082171207198	Carded	19 mm	1.50 in	0.36 in	1.06 in	0.45 in	9.67 in	0.44 lb
ALN20320	082171203206	Bulk	20 mm	1.56 in	0.36 in	1.13 in	0.46 in	10.30 in	0.48 lb
ALN20720	082171207204	Carded	20 mm	1.56 in	0.36 in	1.13 in	0.46 in	10.30 in	0.48 lb
ALN20321	082171203213	Bulk	21 mm	1.63 in	0.37 in	1.21 in	0.47 in	10.95 in	0.58 lb
ALN20721	082171207211	Carded	21 mm	1.63 in	0.37 in	1.21 in	0.47 in	10.95 in	0.58 lb
ALN20322	082171203220	Bulk	22 mm	1.69 in	0.38 in	1.28 in	0.48 in	11.56 in	0.62 lb
ALN20722	082171207228	Carded	22 mm	1.69 in	0.38 in	1.28 in	0.48 in	11.56 in	0.62 lb

22-Key SAE/Metric Long Arm Hex Key Set



- From Allen®, the Original Manufacturer of the Hex Key
- Heat Treated, Tempered Alloy Steel Provides High Strength and Resistance to Rotational Distortion
- All Hex Keys Are Precision Formed to Exact Dimensional Tolerances for Precise Fit
- Longer Length Keys for Additional Leverage and Extended Reach
- Non-Interference Hinged Caddy Provides Easy Access to Each Key

Cat. No.	UPC No.	Packaging	Number of Keys	Key Sizes	Product Weight
56609G	082171566097	Carded	22	INCH 0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8; MM 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	0.73 lb

22-Key SAE/Metric Ball-Plus™ Hex Key Set



- From Allen®, the Original Manufacturer of the Hex Key
- Ball-Plus™ Hex Keys Permit An Entry Angle Up to 25° to Work in Hard-To-Reach Areas
- Heat Treated, Tempered Alloy Steel Provides High Strength and Resistance to Rotational Distortion
- All Hex Keys Are Precision Formed to Exact Dimensional Tolerances for Precise Fit
- Longer Length Keys for Additional Leverage and Extended Reach
- Non-Interference Hinged Caddy Provides Easy Access to Each Key

Cat. No.	UPC No.	Packaging	Number of Keys	Key Sizes	Product Weight
56618G	082171566189	Carded	22	INCH 0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8; MM 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	1.69 lb

7-Key SAE Short Arm Hex Key Set



- Made in the USA - Quality and Availability
- From Allen®, the Original Manufacturer of the Hex Key
- Heat Treated, Tempered Alloy Steel Provides High Strength and Resistance to Rotational Distortion
- All Hex Keys Are Precision Formed to Exact Dimensional Tolerances for Precise Fit
- Color Coded Key Caddy Organizes and Stores Hex Keys



Cat. No.	UPC No.	Packaging	Number of Keys	Key Sizes	Product Weight
59816	082171598166	Carded	7	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16	0.14 lb

13-Key SAE Short Arm Hex Key Set



- Made in the USA - Quality and Availability
- From Allen®, the Original Manufacturer of the Hex Key
- Heat Treated, Tempered Alloy Steel Provides High Strength and Resistance to Rotational Distortion
- All Hex Keys Are Precision Formed to Exact Dimensional Tolerances for Precise Fit
- Color Coded Key Caddy Organizes and Stores Hex Keys

Cat. No.	UPC No.	Packaging	Number of Keys	Key Sizes	Product Weight
56080	082171560804	Bulk	13	0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8	0.52 lb

Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
57006	0.050" Short Arm L Hex Key	57014D	1/8" Short Arm L Hex Key	57026D	1/4" Short Arm L Hex Key
57008D	1/16" Short Arm L Hex Key	57018	9/64" Short Arm L Hex Key	57028	5/16" Short Arm L Hex Key
57010	5/64" Short Arm L Hex Key	57020D	5/32" Short Arm L Hex Key	57030D	3/8" Short Arm L Hex Key
57012	3/32" Short Arm L Hex Key	57022	3/16" Short Arm L Hex Key		
57013	7/64" Short Arm L Hex Key	57024	7/32" Short Arm L Hex Key		

9-Key Metric Short Arm Hex Key Set



- Made in the USA - Quality and Availability
- From Allen®, the Original Manufacturer of the Hex Key
- Heat Treated, Tempered Alloy Steel Provides High Strength and Resistance to Rotational Distortion
- All Hex Keys Are Precision Formed to Exact Dimensional Tolerances for Precise Fit
- Metal Box or Pouch Conveniently Organizes and Stores Hex Keys

Cat. No.	UPC No.	Packaging	Number of Keys	Key Sizes	Product Weight
56008	082171560088	Bulk	9	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	0.49 lb
56015	082171560156	Pouch	9	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	0.49 lb
59830	082171598302	Carded	9	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	0.60 lb

Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
57116	1.5mm Short Arm L Hex Key	57122	3mm Short Arm L Hex Key	57128	6mm Short Arm L Hex Key
57118	2mm Short Arm L Hex Key	57124	4mm Short Arm L Hex Key	57130	8mm Short Arm L Hex Key
57120	2.5mm Short Arm L Hex Key	57126	5mm Short Arm L Hex Key	57132	10mm Short Arm L Hex Key

13-Key SAE Long Arm Hex Key Set



- From Allen®, the Original Manufacturer of the Hex Key
- Heat Treated, Tempered Alloy Steel Provides High Strength and Resistance to Rotational Distortion
- All Hex Keys Are Precision Formed to Exact Dimensional Tolerances for Precise Fit
- Longer Length Keys for Additional Leverage and Extended Reach
- Non-Interference Hinged Caddy Provides Easy Access to Each Key

Cat. No.	UPC No.	Packaging	Number of Keys	Key Sizes	Product Weight
56603G	082171566035	Carded	13	0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8	0.92 lb

9-Key Metric Long Arm Hex Key Set



- From Allen®, the Original Manufacturer of the Hex Key
- Heat Treated, Tempered Alloy Steel Provides High Strength and Resistance to Rotational Distortion
- All Hex Keys Are Precision Formed to Exact Dimensional Tolerances for Precise Fit
- Longer Length Keys for Additional Leverage and Extended Reach
- Non-Interference Hinged Caddy Provides Easy Access to Each Key

Cat. No.	UPC No.	Packaging	Number of Keys	Key Sizes	Product Weight
56606G	082171566066	Carded	9	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	0.80 lb

13-Key SAE Ball-Plus™ Hex Key Set



- From Allen®, the Original Manufacturer of the Hex Key
- Ball-Plus™ Hex Keys Permit An Entry Angle Up to 25° to Work in Hard-To-Reach Areas
- Heat Treated, Tempered Alloy Steel Provides High Strength and Resistance to Rotational Distortion
- All Hex Keys Are Precision Formed to Exact Dimensional Tolerances for Precise Fit
- Longer Length Keys for Additional Leverage and Extended Reach
- Non-Interference Hinged Caddy Provides Easy Access to Each Key

Cat. No.	UPC No.	Packaging	Number of Keys	Key Sizes	Product Weight
56612G	082171566127	Carded	13	0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8	0.91 lb

9-Key Metric Ball-Plus™ Hex Key Set



- From Allen®, the Original Manufacturer of the Hex Key
- Ball-Plus™ Hex Keys Permit An Entry Angle Up to 25° to Work in Hard-To-Reach Areas
- Heat Treated, Tempered Alloy Steel Provides High Strength and Resistance to Rotational Distortion
- All Hex Keys Are Precision Formed to Exact Dimensional Tolerances for Precise Fit
- Longer Length Keys for Additional Leverage and Extended Reach
- Non-Interference Hinged Caddy Provides Easy Access to Each Key

Cat. No.	UPC No.	Packaging	Number of Keys	Key Sizes	Product Weight
56615G	082171566158	Carded	9	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	0.81 lb

9-Key SAE Hex Key Fold-up Set



- From Allen®, the Original Manufacturer of the Hex Key
- Heat Treated, Tempered Alloy Steel Provides High Strength and Resistance to Rotational Distortion
- All Hex Keys Are Precision Formed to Exact Dimensional Tolerances for Precise Fit
- Rotates to 270 Degrees to A Firm Stop for Better Torquing and Access
- Dual Material Case is Color Coded for Quick Identification: SAE - Green

Cat. No.	UPC No.	Packaging	Number of Keys	Key Sizes	Handle Length	Product Weight
56622G	082171566226	Carded	9	0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16	4-1/4 in	0.22 lb
56624G	082171566240	Carded	9	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4	4-1/4 in	0.22 lb

7-Key Metric Hex Key Fold-up Set



- From Allen®, the Original Manufacturer of the Hex Key
- Heat Treated, Tempered Alloy Steel Provides High Strength and Resistance to Rotational Distortion
- All Hex Keys Are Precision Formed to Exact Dimensional Tolerances for Precise Fit
- Rotates to 270 Degrees to A Firm Stop for Better Torquing and Access
- Dual Material Case is Color Coded for Quick Identification: Metric Blue

Cat. No.	UPC No.	Packaging	Number of Keys	Key Sizes	Handle Length	Product Weight
56626G	082171566264	Carded	7	1.5, 2, 2.5, 3, 4, 5, 6	4-1/4 in	0.25 lb

7-Key Torx® Key Fold-up Set



- Made in the USA - Quality and Availability
- From Allen®, the Original Manufacturer of the Hex Key
- Heat Treated, Tempered Alloy Steel Provides High Strength and Resistance to Rotational Distortion
- All Hex Keys Are Precision Formed to Exact Dimensional Tolerances for Precise Fit
- Nickel-Chrome-Moly Alloy Steel Provides Outstanding Torque Strength

Cat. No.	UPC No.	Packaging	Number of Keys	Key Sizes	Handle Length	Product Weight
56323	082171563232	Carded	7	T-10, T-15, T-20, T-25, T-27, T-30, T-40	3-3/4 in	0.45 lb
59947	082171599477	Carded	7	T-10, T-15, T-20, T-25, T-27, T-30, T-40	3-3/4 in	0.44 lb

13-Key Torx® Short Arm Key Set - Pouch



- Made in the USA - Quality and Availability
- From Allen®, the Original Manufacturer of the Hex Key
- Heat Treated, Tempered Alloy Steel Provides High Strength and Resistance to Rotational Distortion
- All Hex Keys Are Precision Formed to Exact Dimensional Tolerances for Precise Fit
- Pouch Conveniently Organizes and Stores Hex Keys

Cat. No.	UPC No.	Packaging	Number of Keys	Key Sizes	Product Weight
56901	082171569012	Pouch	13	T-7, T-8, T-9, T-10, T-15, T-20, T-25, T-27, T-30, T-40, T-45, T-50, T-55	0.70 lb
59950	082171599507	Pouch	13	T-7, T-8, T-9, T-10, T-15, T-20, T-25, T-27, T-30, T-40, T-45, T-50, T-55	0.69 lb

Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
57982	T-7 Short Arm L Torx® Key	57987	T-20 Short Arm L Torx® Key	57992	T-45 Short Arm L Torx® Key
57983	T-8 Short Arm L Torx® Key	57988	T-25 Short Arm L Torx® Key	57993	T-50 Short Arm L Torx® Key
57984	T-9 Short Arm L Torx® Key	57989	T-27 Short Arm L Torx® Key	57994	T-55 Short Arm L Torx® Key
57985	T-10 Short Arm L Torx® Key	57990	T-30 Short Arm L Torx® Key		
57986	T-15 Short Arm L Torx® Key	57991	T-40 Short Arm L Torx® Key		

10 Pc. SAE Ball-Plus™ T-Thru Handle Set



- From Allen®, the Original Manufacturer of the Hex Key
- Dual Material T-Handle Provides Superior Strength and Ultimate Comfort for Extra Torque and Safety
- T-Thru Handle Design Has A Long Arm with Ball End for Access and A Standard Hex Short Arm for High Torque
- Ball-Plus™ Hex Permits An Entry Angle Up to 25° to Work in Hard-To-Reach Areas
- Heat Treated, Tempered Alloy Steel Provides High Strength and Resistance to Rotational Distortion
- All Hex Keys Are Precision Formed to Exact Dimensional Tolerances for Precise Fit
- Color Coded for Quick Identification: SAE - Green

Cat. No.	UPC No.	Packaging	Key Sizes	Product Weight
56656G	082171566561	Boxed	3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8	2.96 lb

8 Pc. Metric Ball-Plus™ T-Thru Handle Set



- From Allen®, the Original Manufacturer of the Hex Key
- Dual Material T-Handle Provides Superior Strength and Ultimate Comfort for Extra Torque and Safety
- T-Thru Handle Design Has A Long Arm with Ball End for Access and A Standard Hex Short Arm for High Torque
- Ball-Plus™ Hex Permits An Entry Angle Up to 25° to Work in Hard-To-Reach Areas
- Heat Treated, Tempered Alloy Steel Provides High Strength and Resistance to Rotational Distortion
- All Hex Keys Are Precision Formed to Exact Dimensional Tolerances for Precise Fit
- Color Coded for Quick Identification: Metric Blue

Cat. No.	UPC No.	Packaging	Key Sizes	Product Weight
56660G	082171566608	Boxed	2, 2.5, 3, 4, 5, 6, 8, 10	2.74 lb

Campbell®

Providing quality material
handling products for
more than 90 years

- Chain
- Cable/Wire Rope
- Accessories
- Hooks/Fittings



Campbell®

Campbell® is the best-selling brand of chain and chain hardware in the United States, with a wide range of products to meet nearly every user need, from farm/ag applications to around the home uses. All Campbell products are available in a variety of attractive merchandisers to best meet your specific retail requirements.



Chain, Cable, & Chain Accessories



A WIDE SELECTION OF QUALITY PRODUCTS

- **Over 50 Different Merchandisers and Display Accessories Available**
- **High-performance, Space-Saving Footprints**
- **Color-Coded Selection Guide Signage**
- **Custom Assortments** for Hardware/Home Center, Farm/Ag, and Lumber Yard retailers
- **Free-Standing and Lozier® Shelf Configurations**, plus bulk displays with custom printed backer board overlays.
- **Shelves Hold Both Round and Square Pails**



Merchandisers to make chain selection easy



TECH INFORMATION

Camtrol System

Campbell's CAMTROL SYSTEM makes chain products easier to identify and understand. That's because all are based on engineering formulas computed according to ISO (International Organization for Standardization), NACM (National Association of Chain Manufacturers) and ASTM (American Society for Testing and Materials). Use the CAMTROL SYSTEM to make wise chain purchasing decisions. Use it to compare the various categories of chain, to choose the right chain for the job according to the price per thousand pounds of working load instead of buying on a price per foot.

Consult your Campbell Chain distributor for current prices. Then refer to the chart below and divide the price per foot by the working load limit (in thousands of pounds) shown in the table.

By using this comparison system you will discover that you can buy a smaller, easier to handle chain, and at less cost based on its working load limit.

VARIATIONS IN FINISH OR HEAT TREATMENT

The mechanical properties shown on the Camtrol Chart apply only to the various chains in their standard finish and heat treated condition. Finishes such as galvanizing or electroplating may reduce strengths. The manufacturer's revised recommendations should be solicited when such treatments are desirable for specific applications.

HALLMARKING (IDENTIFICATION)

All System 4, 7, 8, and 10 chains and all System 3 chains 5/16" (8 mm) and larger are marked with the grade identifier approximately every 12" or less. Please refer to the chain type of interest in this catalog for the specific hallmarks.

Grade	Camtrol System Number	Trade Size		Diameter		Inside Length		Inside Width		Weight Per 100 Feet		Working Load Limit	
		in	mm	in	mm	in	mm	in	mm	lb	kg	lb	kg
30	3	1/8	4.0	0.156	4.0	0.89	22.61	0.29	7.33	22	10	400	180
30	3	3/16	5.5	0.205	5.5	0.95	24.13	0.34	8.63	35	16	800	365
30	3	1/4	7.0	0.260	7.0	1.20	30.50	0.45	11.40	56	25	1,300	580
30	3	5/16	8.0	0.312	8.0	1.27	32.27	0.47	11.93	83	38	1,900	860
30	3	3/8	10.0	0.369	10.0	1.36	34.46	0.57	14.47	125	57	2,650	1,200
30	3	1/2	13.0	0.480	13.0	1.70	43.18	0.75	19.00	237	108	4,500	2,030
30	3	5/8	16.0	0.656	16.7	2.10	53.34	0.87	22.09	390	177	6,900	3,130
30	3	3/4	20.0	0.781	19.8	2.70	68.58	1.02	26.00	535	243	10,600	4,810
30	3	7/8	22.0	0.906	23.0	2.34	59.44	1.37	34.80	770	349	12,800	5,810
43	4	1/4	7.0	0.276	7.0	1.20	30.50	0.45	11.40	63	28	2,600	1,180
43	4	5/16	8.0	0.330	8.4	1.27	32.27	0.47	11.94	102	46	3,900	1,770
43	4	3/8	10.0	0.380	10.0	1.36	34.54	0.58	14.73	130	59	5,400	2,450
43	4	7/16	11.9	0.468	11.9	1.29	32.77	0.67	17.02	216	98	7,200	3,270
43	4	1/2	13.0	0.531	13.0	1.70	43.18	0.75	19.00	260	118	9,200	4,170
43	4	5/8	16.0	0.656	16.7	1.94	49.27	0.93	23.62	356	161	13,000	5,910
43	4	3/4	20.0	0.781	23.0	2.21	56.13	1.10	27.94	535	243	20,200	9,180
70	7	1/4	7.0	0.312	7.9	0.94	23.88	0.46	11.68	91	41	3,150	1,430
70	7	5/16	8.7	0.343	8.7	1.15	29.21	0.48	11.68	111	50	4,700	2,130
70	7	3/8	10.0	0.406	10.0	1.36	34.46	0.57	14.47	150	68	6,600	2,990
70	7	7/16	11.9	0.468	11.9	1.29	32.77	0.67	17.02	212	96	8,750	3,970
70	7	1/2	13.0	0.531	13.0	1.70	43.18	0.75	19.00	260	118	11,300	5,130
70	7	5/8	16.0	0.630	16.0	1.93	49.02	0.87	22.10	375	170	15,800	7,170
80	8	7/32	5.5	0.218	5.5	0.69	17.53	0.30	7.62	43	20	2,100	970
80	8	5/16	8.0	0.315	8.0	0.94	23.88	0.46	11.68	92	42	4,500	2,000
80	8	1	26.0	1.000	25.4	2.80	71.12	1.40	35.56	965	438	47,700	21,600
80	8	1-1/4	32.0	1.250	31.8	3.50	88.90	1.75	44.45	1525	692	72,300	32,800
100	10	9/32	7.0	0.285	7.2	0.86	21.80	0.41	11.40	74	34	4,300	1,950
100	10	5/16	8.0	0.330	8.4	1.01	25.70	0.50	13.00	104	47	5,700	2,600
100	10	3/8	10.0	0.402	10.2	1.22	31.00	0.55	14.00	148	67	8,800	3,990
100	10	1/2	13.0	0.522	13.2	1.54	39.90	0.45	19.10	250	113	15,000	6,800
100	10	5/8	16.0	0.643	16.3	1.93	49.00	0.87	22.10	379	172	22,600	10,250
100	10	3/4	20.0	0.802	20.4	2.42	61.50	1.09	27.70	598	271	35,300	16,000
100	10	7/8	22.0	0.882	22.4	2.70	68.52	1.28	32.48	775	351	42,700	19,400

WARNING:

To prevent the possibility of serious bodily injury:

- DO NOT USE for overhead lifting or hoisting.

- DO NOT EXCEED the working load limits for chain or components.
- DO NOT USE if the chain or components are visibly distorted or WORN.

TECH INFORMATION

Important Chain Terms

WORKING LOAD LIMIT

The “working load limit” (rated capacity) is the maximum combined static and dynamic load in pounds or kilograms that should never be applied to the product in service, even when the product is new, and when the load is uniformly applied in direct tension to the product.

PROOF TEST

The “proof test” is a quality control test applied to chain for the purpose of verifying weld and material quality. It is the minimum force in pounds or newtons that the chain has withstood in direct tension as part of the manufacturing process. Proof testing assures that the chain is more than capable of performing at its rated working load limit. Proof test loads are a manufacturing integrity test and shall not be used as criteria for service or design purposes. All Campbell proof tested chain and components are proof tested in accordance with the applicable ASTM, NACM and AISI/ASME requirements.

Warnings, Cautions, Inspection and Proper Use of Chain

Campbell chain products and components are designed and built for rugged lasting service. As with any quality product certain precautions and standards of treatment should be observed. Proper care will extend the useful life of the product.

INSTRUCTIONS REGARDING COMPONENTS AND FITTINGS

Components, such as hooks or shackles, should have at least the same working load limit (rated capacity) as the chain with which they are used. If not, the assembly shall be rated to the capacity of the weakest component. Campbell offers a full line of components engineered specifically to be compatible with our chain products.

WARNINGS AND CAUTIONS

The use of chain is subject to certain hazards that cannot be met by mechanical or manufacturing means, but only by the exercise of intelligence, care, and common sense.

- Do not exceed the working load limit of the chain or any component
- Chemically active environments may adversely affect chain and components. Do not use in highly acidic or caustic environments. Campbell should be contacted if the chain will be exposed to chemically active environments during use
- High and low temperatures will affect chain and components. Campbell should be contacted if temperatures below -20°F (-29°C) or above 400°F (200°C) will be experienced
- Chains used in certain applications are subject to governmental regulations. Please follow all Federal, State and/or Local Department regulations when using Campbell products
- Never field weld or repair chain
- See other specific information under 'Inspection and Proper Use' sections

INSPECTION

Regular inspections should be conducted on chain to detect damage or deterioration from use. The chain should be inspected for any of the below conditions. If present, the chain should immediately be removed from service.

- Cracks in the chain or any component
- Excessive nicks gouges
- Excessive wear. Chain should be removed from service if the thickness at any point on the link is below the value shown in the Chain Minimum Allowable Thickness chart. All other components should be removed from service if any dimension is worn by more than 10% from the original dimension
- Stretched, bent, twisted, or distorted chain links or component
- Excessive corrosion
- Evidence of heat damage

- Evidence of field welding or weld splatter
- Any other condition which questions the integrity of the chain

PROPER USE

To protect the users and to prevent damage to the chain, the following safe practices should be followed:

- Select a chain suitable for the application and environment
- The hooks or other components should be of a size to fit the intended connections
- Avoid shock loading
- Pad all sharp edges or corners in contact with the chain
- Rig so that the load is properly seated in the hooks or other components. Avoid tip loading of hooks and side loading of chain and components
- Avoid twisting or kinking the chain
- Never knot chain

Purchasers please note that all “Warnings and Cautions” apply to chain as well as all components and fittings. Purchasers are responsible for conveying the “Warnings and Cautions,” including the “Inspection” and “Proper Use” section information to the end user.

Campbell denies any liability for damage that results from use in excess of the working load limit or any abuse or misuse of the product. Any questions concerning the use of Campbell products may be directed to your Apex Tool Group Sales representative or Apex Tool Group Customer Service representative.

OTHER PRODUCTS

Campbell produces a number of products for specialty applications. Please contact your Apex Tool Group Sales representative, or Customer Service representative, if you have special requirements.

Not all products produced by Campbell appear in this catalog. Campbell can produce engineered chain to meet customer design specifications, and also produces a variety of chain assemblies. Minimum order quantities may apply to special order products.

NOTICE: The product specifications and dimensions are as accurate as possible at the time of printing. However, because we are continually improving the quality and design of our products, they can change without notice.

The dimensions and weights are approximate nominal values, and some variation will occur. If specific dimensional requirements are necessary for the application, please contact your Apex Tool Group Sales representative, or Customer Service representative.

TECH INFORMATION

Trade Size			Nominal Material Diameter		Min. Allowable Thickness on Link	
in	mm	Chain Type or Grade	in	mm	in	mm
4	3.0	Machine, Coil	0.120	3.0	0.104	2.64
3	3.4	Machine, Coil	0.135	3.4	0.117	2.97
2	3.8	Machine, Coil	0.148	3.8	0.128	3.25
1	4.1	Machine, Coil	0.162	4.1	0.140	3.56
1/0	4.5	Machine, Coil	0.177	4.5	0.153	3.89
2/0	4.9	Machine, Coil, Passing Link	0.192	4.9	0.166	4.22
3/0	5.3	Machine, Coil	0.207	5.3	0.179	4.55
4/0	5.5	Machine, Coil, Passing Link	0.218	5.5	0.189	4.80
5/0	6.4	Machine, Coil	0.250	6.4	0.217	5.50
1/8	4.0	Grade 30	0.156	4.0	0.135	3.43
3/16	5.5	Grade 30, 80, 100	0.217	5.5	0.189	4.80
1/4 - 9/32	7.0	Grade 30, 43, 70, 80, 100 (Grade 43 = 0.281)	0.276	7.0	0.239	6.07
5/16	8.4	Grade 30	0.331	8.4	0.236	7.28
5/16	8.7	Grade 43, 70	0.343	8.7	0.297	7.54
5/16	8.0	Grade 80, 100	0.312	8.0	0.273	6.93
3/8	10.0	Grade 30, 80, 100	0.394	10.0	0.342	8.69
3/8	10.3	Grade 43, 70	0.406	10.3	0.351	8.93
7/16	11.9	Grade 30, 43, 70	0.468	11.9	0.405	10.30
1/2	13.0	Grade 30, 80, 100	0.512	13.0	0.443	11.26
1/2	13.5	Grade 43, 70	0.531	13.5	0.460	11.68
5/8	16.0	Grade 30, 43, 70	0.630	16.0	0.546	13.87
3/4	20.0	Grade 80, 100	0.787	20.0	0.687	17.45
7/8	20.0	Grade 30, 43, 80, 100	0.866	22.0	0.750	19.05
1	26.0	Grade 30, 80	1.020	26.0	0.887	22.53
1-1/4	32.0	Grade 80	1.260	32.0	1.091	27.71

⚠ WARNING: Remove chain from service if the thickness is less than the minimum shown, at any location on the link

Finish Abbreviations

- (S.C.) stands for Self Colored. A finish without any cleaning operations to remove oil or dirt or surface oxidation from the welding process.
- (BRT) stands for Bright. A finish where the surface is cleaned by shot peening or tumbling to produce a clean bright surface
- (Z.P.) stands for Zinc Plated, Campbell's method of zinc electroplating. The zinc electroplating is an attractive finish that also serves to prevent the onset of rust on the chain.
- (Y.C.) stands for Yellow Chromate, a name for Campbell's method of zinc electroplating with a yellow chromate finish. The zinc electroplating is an attractive finish that also serves to prevent the onset of rust on the chain. The chromate finish serves to protect the zinc electroplate
- (GALV) stands for Hot-dip Galvanized. Hot-dip galvanizing is a process where the chain is immersed in a molten zinc. This produces both a chemical reaction between the steel and the zinc, as well as an outside layer of zinc on the chain. The end result is an adherent coating of zinc that is much thicker than that produced by zinc electroplating. Corrosion resistance is proportional to zinc thickness, and therefore galvanized products offer superior corrosion resistance to electroplated products. NOTE: Due to temperature of the molten zinc, the strengths of hot-dip galvanized products are often reduced by 15%.
- (M-GALV) stands for Mechanically Galvanized. Mechanical galvanizing is a process where zinc powder is mechanically applied to the outside of the chain. Because this is a mechanical process and not a molten process, the coating is very uniform.
- (Polycoated) is a finish where the chain is coated with a colored plastic powder

⚠ WARNING:

- To prevent the possibility of serious bodily injury:
- DO NOT USE for overhead lifting or hoisting.
 - DO NOT EXCEED the working load limits for chain or components.
 - DO NOT USE if the chain or components are visibly distorted or WORN.

Grade 30, Proof Coil Chain - Drums



- Excellent Low Carbon Steel Chain for General Purpose Applications
- Frequently Used for Fabricating Tow Chains, Binding and Logging Chains, Marine and Other General Applications
- Standard Finish: Self Colored, Zinc Plated or Galvanized
- Hallmarking: "C3" and "USA" on 5/16" and Larger
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Drums, Order Unit is "Feet"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
1/8 in	0120202	020418056932	0.16 in	0.89 in	0.29 in	Self-Colored	400 lb	1000 ft	13.5	190 lb
1/8 in	0120232	020418056949	0.16 in	0.89 in	0.29 in	Galvanized	400 lb	1000 ft	13.5	190 lb
3/16 in	0120302	020418056970	0.21 in	0.95 in	0.34 in	Self-Colored	800 lb	1000 ft	12.6	350 lb
3/16 in	0120322	020418057007	0.21 in	0.95 in	0.34 in	Zinc Plated	800 lb	1000 ft	12.6	350 lb
3/16 in	0120332	020418057045	0.21 in	0.95 in	0.34 in	Galvanized	800 lb	1000 ft	12.6	350 lb
1/4 in	0120402	020418057076	0.26 in	1.20 in	0.45 in	Self-Colored	1300 lb	800 ft	10	460 lb
1/4 in	0120422	020418057106	0.26 in	1.20 in	0.45 in	Zinc Plated	1300 lb	800 ft	10	460 lb
1/4 in	0120432	020418057144	0.26 in	1.20 in	0.45 in	Galvanized	1300 lb	800 ft	10	460 lb
5/16 in	0120502	020418057205	0.31 in	1.27 in	0.47 in	Self-Colored	1900 lb	550 ft	9.4	482 lb
5/16 in	0120522	020418057243	0.31 in	1.27 in	0.47 in	Zinc Plated	1900 lb	550 ft	9.4	482 lb
5/16 in	0120532	020418057281	0.31 in	1.27 in	0.47 in	Galvanized	1900 lb	550 ft	9.4	482 lb
3/8 in	0120602	020418057335	0.37 in	1.36 in	0.57 in	Self-Colored	2650 lb	400 ft	8.8	500 lb
3/8 in	0120622	020418057373	0.37 in	1.36 in	0.57 in	Zinc Plated	2650 lb	400 ft	8.8	500 lb
3/8 in	0120632	020418057410	0.37 in	1.36 in	0.57 in	Galvanized	2650 lb	400 ft	8.8	500 lb
7/16 in	0120732	020418057489	0.47 in	1.37 in	0.75 in	Galvanized	3700 lb	300 ft	8.8	660 lb
1/2 in	0120802	020418057502	0.48 in	1.70 in	0.75 in	Self-Colored	4500 lb	200 ft	7.1	420 lb
1/2 in	0120822	020418057526	0.48 in	1.70 in	0.75 in	Zinc Plated	4500 lb	200 ft	7.1	420 lb
1/2 in	0120832	020418057557	0.48 in	1.70 in	0.75 in	Galvanized	4500 lb	200 ft	7.1	420 lb
5/8 in	0121002	020418057595	0.66 in	2.10 in	0.87 in	Self-Colored	6900 lb	150 ft	5.7	610 lb
5/8 in	0121032	020418057618	0.66 in	2.10 in	0.87 in	Galvanized	6900 lb	150 ft	5.7	610 lb
3/4 in	0121202	020418057632	0.78 in	2.70 in	1.02 in	Self-Colored	10600 lb	100 ft	4.4	560 lb
3/4 in	0121232	020418057656	0.78 in	2.70 in	1.02 in	Galvanized	10600 lb	100 ft	4.4	560 lb

Grade 30, Proof Coil Chain - Half Drums



- Excellent Low Carbon Steel Chain for General Purpose Applications
- Frequently Used for Fabricating Tow Chains, Binding and Logging Chains, Marine and Other General Applications
- Standard Finish: Self Colored or Galvanized
- Hallmarking: "C3" and "USA" on 5/16" and Larger
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Half Drums, Order Unit is "Feet"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
3/16 in	0120300	020418056956	0.21 in	0.95 in	0.34 in	Self-Colored	800 lb	500 ft	12.6	175 lb
3/16 in	0120330	020418057021	0.21 in	0.95 in	0.34 in	Galvanized	800 lb	500 ft	12.6	175 lb
1/4 in	0120400	020418057052	0.26 in	1.20 in	0.45 in	Self-Colored	1300 lb	400 ft	10	230 lb
1/4 in	0120430	020418057120	0.26 in	1.20 in	0.45 in	Galvanized	1300 lb	400 ft	10	230 lb
5/16 in	0120500	020418057182	0.31 in	1.27 in	0.47 in	Self-Colored	1900 lb	275 ft	9.4	241 lb
5/16 in	0120530	020418057267	0.31 in	1.27 in	0.47 in	Galvanized	1900 lb	275 ft	9.4	241 lb
3/8 in	0120600	020418057311	0.37 in	1.36 in	0.57 in	Self-Colored	2650 lb	200 ft	8.8	250 lb
3/8 in	0120630	020418057397	0.37 in	1.36 in	0.57 in	Galvanized	2650 lb	200 ft	8.8	250 lb

Grade 30, Proof Coil Chain - Round Pails



- Excellent Low Carbon Steel Chain for General Purpose Applications
- Frequently Used for Fabricating Tow Chains, Binding and Logging Chains, Marine and Other General Applications
- Standard Finish: Zinc Plated or Galvanized
- Hallmarking: "C3" and "USA" on 5/16" and Larger
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Pails, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
3/16 in	0140323	020418057991	0.21 in	0.95 in	0.34 in	Zinc Plated	800 lb	250 ft	12.6	88 lb
3/16 in	0140333	020418058004	0.21 in	0.95 in	0.34 in	Galvanized	800 lb	250 ft	12.6	88 lb
1/4 in	0140423	020418058028	0.26 in	1.20 in	0.45 in	Zinc Plated	1300 lb	141 ft	10	79 lb
1/4 in	0140433	020418058035	0.26 in	1.20 in	0.45 in	Galvanized	1300 lb	141 ft	10	79 lb
5/16 in	0140523	020418058059	0.31 in	1.27 in	0.47 in	Zinc Plated	1900 lb	92 ft	9.4	76 lb
5/16 in	0140533	020418058066	0.31 in	1.27 in	0.47 in	Galvanized	1900 lb	92 ft	9.4	76 lb
3/8 in	0140623	020418058080	0.37 in	1.36 in	0.57 in	Zinc Plated	2650 lb	63 ft	8.8	79 lb
3/8 in	0140633	020418058097	0.37 in	1.36 in	0.57 in	Galvanized	2650 lb	63 ft	8.8	79 lb
1/2 in	0140823	020418058103	0.48 in	1.70 in	0.75 in	Zinc Plated	4500 lb	40 ft	7.1	95 lb

Grade 30, Proof Coil Chain - Square Pails



- Excellent Low Carbon Steel Chain for General Purpose Applications
- Frequently Used for Fabricating Tow Chains, Binding and Logging Chains, Marine and Other General Applications
- Standard Finish: Zinc Plated or Galvanized
- Hallmarking: "C3" and "USA" on 5/16" and Larger
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Pails, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
1/8 in	0143226	020418190360	0.16 in	0.89 in	0.29 in	Zinc Plated	400 lb	200 ft	13.5	38 lb
3/16 in	0143326	020418183058	0.21 in	0.95 in	0.34 in	Zinc Plated	800 lb	150 ft	12.6	53 lb
3/16 in	0143336	020418183065	0.21 in	0.95 in	0.34 in	Galvanized	800 lb	150 ft	12.6	53 lb
1/4 in	0143426	020418183072	0.26 in	1.20 in	0.45 in	Zinc Plated	1300 lb	100 ft	10	56 lb
1/4 in	0143436	020418183089	0.26 in	1.20 in	0.45 in	Galvanized	1300 lb	100 ft	10	56 lb
5/16 in	0143516	020418190681	0.31 in	1.27 in	0.47 in	Self-Colored	1900 lb	75 ft	9.4	62 lb
5/16 in	0143526	020418183096	0.31 in	1.27 in	0.47 in	Zinc Plated	1900 lb	75 ft	9.4	62 lb
5/16 in	0143536	020418183102	0.31 in	1.27 in	0.47 in	Galvanized	1900 lb	75 ft	9.4	62 lb
3/8 in	0143626	020418183119	0.37 in	1.36 in	0.57 in	Zinc Plated	2650 lb	45 ft	8.8	56 lb
3/8 in	0143636	020418183126	0.37 in	1.36 in	0.57 in	Galvanized	2650 lb	45 ft	8.8	56 lb

Grade 30, Polycoated, Proof Coil Chain - Square Pails



- Excellent Low Carbon Steel Chain for General Purpose Applications
- Frequently Used for Swing Sets, Borders, Crowd Control and Other General Applications
- Standard Finish: Polycoated Yellow or Hi-Visibility Orange
- Hallmarking: "C3" and "USA" on 5/16" and Larger
- Proof Tested
- Design Factor: 4 to 1
- Packaged on Reels, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
1/4 in	PD0143426	020418212185	0.26 in	1.20 in	0.45 in	Yellow Polycoat	1300 lb	75 ft	10	45 lb
5/16 in	HV0142526	020418187940	0.31 in	1.27 in	0.47 in	Hi-Visibility Orange Polycoat	1900 lb	75 ft	9.4	62 lb

Grade 30, Proof Coil Chain - Reels



- Excellent Low Carbon Steel Chain for General Purpose Applications
- Frequently Used for Swing Sets, Borders, Crowd Control and Other General Applications
- Standard Finish: Zinc Plated or Polycoated Yellow
- Hallmarking: "C3" and "USA" on 5/16" and Larger
- Proof Tested
- Design Factor: 4 to 1
- Packaged on Reels, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
3/16 in	0725027	020418064982	0.21 in	0.95 in	0.34 in	Zinc Plated	800 lb	100 ft	10.75	38 lb
3/16 in	PD0725027	020418184642	0.21 in	0.95 in	0.34 in	Yellow Polycoat	800 lb	100 ft	10.75	38 lb
1/4 in	0722127	020418183270	0.26 in	1.20 in	0.45 in	Zinc Plated	1300 lb	65 ft	10.75	41 lb
1/4 in	PD0722127	020418183393	0.26 in	1.20 in	0.45 in	Yellow Polycoat	1300 lb	60 ft	10.75	36 lb
5/16 in	0722227	020418183287	0.31 in	1.27 in	0.47 in	Zinc Plated	1900 lb	60 ft	10.75	50 lb
3/8 in	0722327	020418183294	0.37 in	1.36 in	0.57 in	Zinc Plated	2650 lb	35 ft	10.75	44 lb

Grade 43, High Test Chain - Drums



- Designed for Use in Load Binding, Towing, Logging and Other Applications Requiring High Strength
- Standard Material: Carbon Steel
- Standard Finish: Self Colored or Bright, Zinc Plated or Galvanized
- Hallmarking: "C4" All Sizes and "USA" on 1/4" and 5/16"
- Proof Tested
- Design Factor: 3 to 1
- Packaged in Drums, Order Unit is "Feet"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
1/4 in	0180412	020418058769	0.28 in	1.20 in	0.45 in	Self-Colored	2600 lb	800 ft	10	504 lb
1/4 in	0180422	020418058790	0.28 in	1.20 in	0.45 in	Zinc Plated	2600 lb	800 ft	10	504 lb
1/4 in	0180432	020418058820	0.28 in	1.20 in	0.45 in	Galvanized	2600 lb	800 ft	10	504 lb
5/16 in	0180512	020418058851	0.33 in	1.27 in	0.47 in	Self-Colored	3900 lb	550 ft	9.4	523 lb
5/16 in	0180522	020418058882	0.33 in	1.27 in	0.47 in	Zinc Plated	3900 lb	550 ft	9.4	523 lb
5/16 in	0180532	020418058912	0.33 in	1.27 in	0.47 in	Galvanized	3900 lb	550 ft	9.4	523 lb
3/8 in	0180612	020418058943	0.38 in	1.36 in	0.58 in	Self-Colored	5400 lb	400 ft	8.8	520 lb
3/8 in	0180632	020418059018	0.38 in	1.36 in	0.58 in	Galvanized	5400 lb	400 ft	8.8	520 lb
1/2 in	0180812	020418059094	0.53 in	1.70 in	0.75 in	Self-Colored	9200 lb	200 ft	7.1	520 lb
1/2 in	0180832	020418059155	0.53 in	1.70 in	0.75 in	Galvanized	9200 lb	200 ft	7.1	520 lb
5/8 in	0181012	020418059186	0.66 in	1.94 in	0.93 in	Bright	13000 lb	150 ft	6.2	534 lb
5/8 in	0181032	020418059216	0.66 in	1.94 in	0.93 in	Galvanized	13000 lb	150 ft	6.2	534 lb
3/4 in	0181212	020418059254	0.78 in	2.21 in	1.10 in	Bright	20200 lb	100 ft	5.4	581 lb

Grade 43, High Test Chain - Round Pails



- Designed for Use in Load Binding, Towing, Logging and Other Applications Requiring High Strength
- Standard Material: Carbon Steel
- Standard Finish: Bright and Zinc Plated
- Hallmarking: "C4" All Sizes and "USA" on 1/4" and 5/16"
- Proof Tested
- Design Factor: 3 to 1
- Packaged in Pails, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
1/4 in	0181413	020418059278	0.28 in	1.20 in	0.45 in	Bright	2600 lb	150 ft	10	98 lb
1/4 in	0181423	020418059285	0.28 in	1.20 in	0.45 in	Zinc Plated	2600 lb	150 ft	10	98 lb
5/16 in	0181513	020418059292	0.33 in	1.27 in	0.47 in	Bright	3900 lb	100 ft	9.4	95 lb
5/16 in	0181523	020418059308	0.33 in	1.27 in	0.47 in	Zinc Plated	3900 lb	100 ft	9.4	95 lb
3/8 in	0181613	020418059315	0.38 in	1.36 in	0.58 in	Bright	5400 lb	75 ft	8.8	98 lb
3/8 in	0181623	020418059322	0.38 in	1.36 in	0.58 in	Zinc Plated	5400 lb	75 ft	8.8	98 lb

Grade 43, High Test Chain - Square Pails



- Designed for Use in Load Binding, Towing, Logging and Other Applications Requiring High Strength
- Standard Material: Carbon Steel
- Standard Finish: Bright and Galvanized
- Hallmarking: "C4" All Sizes and "USA" on 1/4" and 5/16"
- Proof Tested
- Design Factor: 3 to 1
- Packaged in Pails, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
1/4 in	0184416	020418183133	0.28 in	1.20 in	0.45 in	Bright	2600 lb	100 ft	10	66 lb
5/16 in	0184516	020418183140	0.33 in	1.27 in	0.47 in	Bright	3900 lb	60 ft	9.4	57 lb
5/16 in	0184536	020418185878	0.33 in	1.27 in	0.47 in	Galvanized	3900 lb	60 ft	9.4	57 lb
3/8 in	0184616	020418183157	0.38 in	1.36 in	0.58 in	Bright	5400 lb	40 ft	8.8	52 lb
3/8 in	0184636	020418185885	0.38 in	1.36 in	0.58 in	Galvanized	5400 lb	40 ft	8.8	52 lb

Grade 43, Polycoated, High Test Chain - Square Pails



- Designed for Use in Load Binding, Towing, Logging and Other Applications Requiring High Strength
- Standard Material: Carbon Steel
- Standard Finish: Polycoated Hi-Visibility Orange
- Hallmarking: "C4" All Sizes and "USA" on 1/4" and 5/16"
- Proof Tested
- Design Factor: 3 to 1
- Packaged in Pails, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
5/16 in	HV0184526	020418187698	0.33 in	1.27 in	0.47 in	Hi-Visibility Orange Polycoat	3900 lb	60 ft	9.4	50 lb

Grade 70, Transport Chain - Drums



- Designed for Use in Load Binding, Towing, Logging and Other Applications Requiring High Strength
- Can Be Used in Accordance with Department of Transportation Regulations
- Standard Material: Heat Treated Carbon Steel
- Standard Finish: Zinc Electroplate with Yellow Chromate Conversion Coating
- Hallmarking: "C7" and "USA"
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Drums, Order Unit is "Feet"
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
1/4 in	0510412	020418063763	0.31 in	0.94 in	0.46 in	Yellow Chromate	3150 lb	800 ft	12.8	752 lb
5/16 in	0510512	020418063800	0.33 in	1.15 in	0.48 in	Yellow Chromate	4700 lb	550 ft	10.4	561 lb
3/8 in	0510612	020418063848	0.40 in	1.36 in	0.57 in	Yellow Chromate	6600 lb	400 ft	8.8	600 lb
7/16 in	0510712	020418063886	0.47 in	1.29 in	0.67 in	Yellow Chromate	8750 lb	300 ft	9.3	636 lb
1/2 in	0510812	020418063916	0.53 in	1.70 in	0.75 in	Yellow Chromate	11300 lb	200 ft	7.1	520 lb

Grade 70, Transport Chain - Half Drums



- Designed for Use in Load Binding, Towing, Logging and Other Applications Requiring High Strength
- Can Be Used in Accordance with Department of Transportation Regulations
- Standard Material: Heat Treated Carbon Steel
- Standard Finish: Zinc Electroplate with Yellow Chromate Conversion Coating
- Hallmarking: "C7" and "USA"
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Half Drums, Order Unit is "Feet"
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
1/4 in	0510410	020418063749	0.31 in	0.94 in	0.46 in	Yellow Chromate	3150 lb	400 ft	12.8	376 lb
5/16 in	0510510	020418063787	0.33 in	1.15 in	0.48 in	Yellow Chromate	4700 lb	275 ft	10.4	280 lb
3/8 in	0510610	020418063824	0.40 in	1.36 in	0.57 in	Yellow Chromate	6600 lb	200 ft	8.8	300 lb
1/2 in	0510810	020418063893	0.53 in	1.70 in	0.75 in	Yellow Chromate	11300 lb	100 ft	7.1	260 lb

Grade 70, Transport Chain - Round Pails



- Designed for Use in Load Binding, Towing, Logging and Other Applications Requiring High Strength
- Can Be Used in Accordance with Department of Transportation Regulations
- Standard Material: Heat Treated Carbon Steel
- Standard Finish: Zinc Electroplate with Yellow Chromate Conversion Coating
- Hallmarking: "C7" and "USA"
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Pails, Order Unit is "Each"
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
1/4 in	0510413	020418063770	0.31 in	0.94 in	0.46 in	Yellow Chromate	3150 lb	150 ft	12.8	139 lb
5/16 in	0510513	020418063817	0.33 in	1.15 in	0.48 in	Yellow Chromate	4700 lb	100 ft	10.4	102 lb
3/8 in	0510613	020418063855	0.40 in	1.36 in	0.57 in	Yellow Chromate	6600 lb	75 ft	8.8	113 lb

Grade 70, Transport Chain - Square Pails



- Designed for Use in Load Binding, Towing, Logging and Other Applications Requiring High Strength
- Can Be Used in Accordance with Department of Transportation Regulations
- Standard Material: Heat Treated Carbon Steel
- Standard Finish: Zinc Electroplate with Yellow Chromate Conversion Coating
- Hallmarking: "C7" and "USA"
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Pails, Order Unit is "Each"
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
1/4 in	0510426	020418183867	0.31 in	0.94 in	0.46 in	Yellow Chromate	3150 lb	65 ft	12.8	64 lb
5/16 in	0510526	020418183874	0.33 in	1.15 in	0.48 in	Yellow Chromate	4700 lb	50 ft	10.4	51 lb
3/8 in	0510626	020418186639	0.40 in	1.36 in	0.57 in	Yellow Chromate	6600 lb	45 ft	8.8	68 lb

Straight Link Machine Chain - Cartons



- Uses: General Utility, Animal, and Farm and Ranch Applications
- Standard Material: Low Carbon Steel
- Standard Finish: Bright and Zinc Plated
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Cartons, Order Unit is "Feet"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
4	0310424	020418060908	0.12 in	0.55 in	0.21 in	Zinc Plated	215 lb	100 ft	21.8	11 lb
3	0310324	020418060878	0.14 in	0.59 in	0.24 in	Zinc Plated	270 lb	100 ft	20.3	15 lb
2	0310224	020418060847	0.15 in	0.61 in	0.26 in	Zinc Plated	325 lb	100 ft	19.7	19 lb
1	0310124	020418060816	0.16 in	0.63 in	0.28 in	Zinc Plated	390 lb	100 ft	19.0	23 lb
1/0	0311024	020418060946	0.18 in	0.74 in	0.31 in	Zinc Plated	465 lb	100 ft	16.2	27 lb
2/0	0312014	020418060977	0.18 in	0.78 in	0.34 in	Bright	545 lb	100 ft	15.4	29 lb
2/0	0312024	020418060984	0.18 in	0.78 in	0.34 in	Zinc Plated	545 lb	100 ft	15.4	29 lb
3/0	0313024	020418061011	0.21 in	1.01 in	0.36 in	Zinc Plated	635 lb	100 ft	11.9	37 lb
4/0	0314024	020418061042	0.23 in	1.03 in	0.38 in	Zinc Plated	700 lb	100 ft	11.7	47 lb
5/0	0315014	020418061073	0.25 in	1.07 in	0.44 in	Bright	925 lb	100 ft	11.2	52 lb
5/0	0315024	020418061080	0.25 in	1.07 in	0.44 in	Zinc Plated	925 lb	100 ft	11.2	52 lb

Straight Link Machine Chain - Reels



- Uses: General Utility, Animal, and Farm and Ranch Applications
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated and Brass Glo
- Proof Tested
- Design Factor: 4 to 1
- Packaged on Reels, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Reel Width (in.)	Weight Per Package
4	AW0310427	020418145384	0.12 in	0.55 in	0.21 in	Zinc Plated	215 lb	100 ft	22	3.5 in	12 lb
3	0723367	020418064814	0.14 in	0.59 in	0.24 in	Brass Glo	270 lb	50 ft	20	3.5 in	9 lb
2	0726727	020418184475	0.15 in	0.61 in	0.26 in	Zinc Plated	325 lb	125 ft	19.7	10.75 in	26 lb

Twist Link Machine Chain - Cartons



- Uses: General Utility Applications
- Standard Material: Low Carbon Steel
- Standard Finish: Bright, Zinc Plated and Galvanized
- Design Factor: 4 to 1
- Packaged in Cartons, Order Unit is "Feet"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
3	0320324	020418061165	0.14 in	0.56 in	0.20 in	Zinc Plated	255 lb	100 ft	21.4	16 lb
2	0320214	020418061127	0.15 in	0.58 in	0.21 in	Bright	310 lb	100 ft	20.7	20 lb
2	0320224	020418061134	0.15 in	0.58 in	0.21 in	Zinc Plated	310 lb	100 ft	20.7	20 lb
1/0	0321024	020418061219	0.18 in	0.68 in	0.26 in	Zinc Plated	440 lb	100 ft	17.6	28 lb
2/0	0322014	020418061233	0.18 in	0.73 in	0.28 in	Bright	520 lb	100 ft	16.4	31 lb
4/0	0324024	020418061301	0.23 in	0.89 in	0.32 in	Zinc Plated	670 lb	100 ft	13.5	48 lb
5/0	0325034	020418061349	0.25 in	1.00 in	0.37 in	Galvanized	880 lb	100 ft	12.0	56 lb

Twist Link Machine Chain - Reels



- Uses: General Utility Applications
- Standard Material: Low Carbon Steel
- Standard Finish: Brass Glo and Zinc Plated
- Design Factor: 4 to 1
- Packaged on Reels, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Reel Width (in.)	Weight Per Package
4	AW0320427	020418145391	0.12 in	0.52 in	0.17 in	Zinc Plated	205 lb	100 ft	23.0	3.5 in	13 lb
2	0723388	020418064838	0.15 in	0.58 in	0.21 in	Brass Glo	310 lb	70 ft	20.7	3.5 in	15 lb
2	0726627	020418184468	0.15 in	0.58 in	0.21 in	Zinc Plated	310 lb	125 ft	20.7	5.5 in	27 lb
2/0	0722527	020418183300	0.18 in	0.73 in	0.28 in	Zinc Plated	520 lb	70 ft	16.0	5.5 in	21 lb

Twist Link Machine Chain - Round Pails



- Uses: General Utility Applications
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated
- Design Factor: 4 to 1
- Packaged in Pails, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
2/0	0329500	020418169434	0.18 in	0.73 in	0.28 in	Zinc Plated	520 lb	300 ft	16.4	95 lb

Twist Link Machine Chain - Square Pails



- Uses: General Utility Applications
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated
- Design Factor: 4 to 1
- Packaged in Pails, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
2/0	0322026	020418183171	0.18 in	0.73 in	0.28 in	Zinc Plated	520 lb	175 ft	16.4	54 lb

Straight Link Coil Chain - Cartons



- Typical Uses Include Tailgates, Barrier Guards, Swing Sets, Hanging Light Fixtures and Animal Chains
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Cartons, Order Unit is "Feet"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
4	0330424	020418061455	0.12 in	1.11 in	0.21 in	Zinc Plated	205 lb	100 ft	10.8	10 lb
3	0330324	020418061424	0.14 in	1.17 in	0.24 in	Zinc Plated	255 lb	100 ft	10.3	13 lb
2	0330224	020418061394	0.15 in	1.18 in	0.26 in	Zinc Plated	310 lb	100 ft	10.2	15 lb
1	0330124	020418061363	0.16 in	1.25 in	0.28 in	Zinc Plated	370 lb	100 ft	9.6	19 lb
1/0	0331024	020418061516	0.18 in	1.25 in	0.31 in	Zinc Plated	440 lb	100 ft	9.6	22 lb
2/0	0332024	020418061578	0.18 in	1.29 in	0.34 in	Zinc Plated	520 lb	100 ft	9.3	24 lb
3/0	0333024	020418061622	0.21 in	1.30 in	0.36 in	Zinc Plated	605 lb	100 ft	9.2	31 lb
4/0	0334024	020418061660	0.22 in	1.39 in	0.38 in	Zinc Plated	670 lb	100 ft	8.6	35 lb
5/0	0335024	020418061721	0.234 in	1.52 in	0.44 in	Zinc Plated	880 lb	100 ft	7.9	41 lb

Straight Link Coil Chain - Reels



- Typical Uses Include Tailgates, Barrier Guards, Swing Sets, Hanging Light Fixtures and Animal Chains
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated and Yellow Polycoated
- Proof Tested
- Design Factor: 4 to 1
- Packaged on Reels, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Reel Width (in.)	Weight Per Package
4	AW0330427	020418145445	0.12 in	1.11 in	0.21 in	Zinc Plated	205 lb	100 ft	10.8	3.5 in	11 lb
2	0726827	020418184482	0.15 in	1.18 in	0.26 in	Zinc Plated	310 lb	125 ft	10.2	10.75 in	21 lb
2/0	0722827	020418183843	0.18 in	1.29 in	0.34 in	Zinc Plated	520 lb	40 ft	9.3	3.5 in	14 lb
2/0	0723627	020418064869	0.18 in	1.29 in	0.34 in	Zinc Plated	520 lb	125 ft	9.3	10.75 in	37 lb
2/0	PD0722627	020418183409	0.18 in	1.29 in	0.34 in	Yellow Polycoat	520 lb	120 ft	9.3	10.75 in	35 lb
3/0	0724527	020418175732	0.21 in	1.30 in	0.36 in	Zinc Plated	605 lb	100 ft	9.2	10.75 in	31 lb

Straight Link Coil Green Sleeve Chain - Reels



- Used as Swing Set Chain
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated With Green Sleeve
- Proof Tested
- Design Factor: 4 to 1
- Packaged on Reels, Order Unit is "Each"
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Reel Width (in.)	Weight Per Package
2/0	PS0332027	020418208997	0.19 in	1.30 in	0.30 in	Green Sleeve	520 lb	60 ft	9.3	10.75 in	21 lb

Straight Link Coil Chain - Round Pails



- Typical Uses Include Tailgates, Barrier Guards, Swing Sets, Hanging Light Fixtures and Animal Chains
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Pails, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
2/0	0332023	020418061561	0.18 in	1.29 in	0.34 in	Zinc Plated	520 lb	400 ft	9.3	97 lb

Straight Link Coil Chain - Square Pails



- Typical Uses Include Tailgates, Barrier Guards, Swing Sets, Hanging Light Fixtures and Animal Chains
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Pails, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
1	0330126	020418187643	0.16 in	1.25 in	0.28 in	Zinc Plated	370 lb	350 ft	9.6	66 lb
1/0	0331026	020418187667	0.18 in	1.25 in	0.31 in	Zinc Plated	440 lb	250 ft	9.6	55 lb
2/0	0332426	020418183188	0.18 in	1.29 in	0.34 in	Zinc Plated	520 lb	225 ft	9.3	55 lb
5/0	0335026	020418187674	0.234 in	1.52 in	0.44 in	Zinc Plated	880 lb	140 ft	7.9	58 lb

Studio Chain - Carton



- Uses: Hanging Theatrical Lights and Fixtures
- Standard Material: Low Carbon Steel
- Standard Finish: Bright
- Hallmarking: "CS" and "USA"
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Cartons, Order Unit is "Feet"
- Made in the USA
- Do Not Use for Overhead Lifting

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
6/0	0336015	020418192876	0.28 in	1.50 in	0.47 in	Bright	2000 lb	100 ft	8	63 lb

Twist Link Coil Chain - Cartons



- Typical Uses Include Tailgates, Barrier Guards, Light Fixtures and Animal Chains
- Difference Over Straight Link is Twist Link Chain Lies Flat
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated
- Design Factor: 4 to 1
- Packaged in Cartons, Order Unit is "Feet"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
3	0340324	020418061868	0.14 in	1.14 in	0.21 in	Zinc Plated	240 lb	100 ft	10.5	13 lb

Twist Link Coil Chain - Reels



- Typical Uses Include Tailgates, Barrier Guards, Light Fixtures and Animal Chains
- Difference Over Straight Link is Twist Link Chain Lies Flat
- Standard Material: Low Carbon Steel
- Standard Finish: Brass Glo
- Design Factor: 4 to 1
- Packaged on Reels, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Reel Width (in.)	Weight Per Package
3	0723167	020418064777	0.14 in	1.14 in	0.21 in	Brass Glo	240 lb	50 ft	10.5	3.5 in	7.5 lb

Passing Link Chain - Cartons



- Uses: General Utility, Animal, and Farm and Ranch Applications
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Cartons, Order Unit is "Feet"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
4/0	0304024	020418060786	0.22 in	0.88 in	0.50 in	Zinc Plated	600 lb	100 ft	13.8	43 lb

Passing Link Chain - Reels



- Uses: General Utility, Animal, and Farm and Ranch Applications
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated
- Proof Tested
- Design Factor: 4 to 1
- Packaged on Reels, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Reel Width (in.)	Weight Per Package
2/0	0722927	020418183317	0.18 in	0.88 in	0.47 in	Zinc Plated	450 lb	125 ft	13.75	10.75 in	36 lb
2/0	0722957	020418183478	0.18 in	0.88 in	0.47 in	Zinc Plated	450 lb	50 ft	13.75	5.5 in	15 lb

Passing Link Chain - Square Pails



- Uses: General Utility, Animal, and Farm and Ranch Applications
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Pails, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
2/0	0309526	020418183164	0.18 in	0.88 in	0.47 in	Zinc Plated	450 lb	200 ft	13.8	58 lb

Handy Link Utility Chain - Square Pails



- For Hanging Fixtures and Plants
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated
- Proof Tested
- Design Factor: 4 to 1
- Packaged in Pails, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
120	0339626	020418183195	0.120 in	1.35 in	0.34 in	Zinc Plated	255 lb	500 ft	8.9	50 lb

Handy Link Utility Chain - Reels



- For Hanging Fixtures and Plants
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated
- Proof Tested
- Design Factor: 4 to 1
- Packaged on Reels, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Reel Width (in.)	Weight Per Package
120	0723169	020418064784	0.120 in	1.35 in	0.34 in	Zinc Plated	255 lb	175 ft	8.9	10.75 in	17.5 lb

Lock Link, Single Loop Chain - Cartons



- Ideal for Sprocket Wheel, Overhead Door Chains, General Utility Use
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated, Galvanized
- Design Factor: 4 to 1
- Packaged in Cartons, Order Unit is "Feet"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

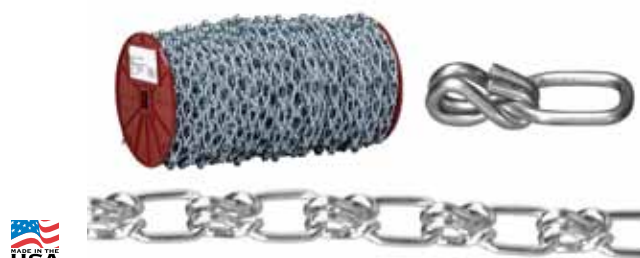


Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Finish	End Type	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
2	0740224	020418066238	0.09 in	1.08 in	Zinc Plated	Sheared	155 lb	100 ft	11.1	9 lb
2	0740234	020418066252	0.09 in	1.08 in	Galvanized	Sheared	155 lb	100 ft	11.1	9 lb
1/0	0741024	020418066290	0.12 in	1.29 in	Zinc Plated	Wrapped	265 lb	100 ft	9.3	16 lb
1/0	0741034	020418066320	0.12 in	1.29 in	Galvanized	Wrapped	265 lb	100 ft	9.3	16 lb
2/0	0742024	020418066375	0.14 in	1.48 in	Zinc Plated	Wrapped	340 lb	100 ft	8.1	23 lb
2/0	0742034	020418066399	0.14 in	1.48 in	Galvanized	Wrapped	340 lb	100 ft	8.1	23 lb

Lock Link, Single Loop Chain - Cartons Continued

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Finish	End Type	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
3/0	0743024	020418066412	0.15 in	1.63 in	Zinc Plated	Wrapped	405 lb	100 ft	7.4	26 lb
4/0	0744024	020418066481	0.16 in	1.80 in	Zinc Plated	Wrapped	485 lb	100 ft	6.7	29 lb
5/0	0745024	020418066566	0.18 in	2.15 in	Zinc Plated	Wrapped	580 lb	100 ft	5.6	34 lb

Lock Link, Single Loop Chain - Reels



- Ideal for Sprocket Wheel, Overhead Door Chains, General Utility Use
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated, Galvanized
- Design Factor: 4 to 1
- Packaged on Reels, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Finish	End Type	Working Load Limit	Feet Per Package	Links Per Foot	Reel Width (in.)	Weight Per Package
2	0740237	020418066269	0.09 in	1.08 in	Galvanized	Sheared	155 lb	360 ft	11.1	10.75 in	33 lb
1/0	0741037	020418066337	0.12 in	1.29 in	Galvanized	Wrapped	265 lb	250 ft	9.3	10.75 in	40 lb
3/0	0723427	020418064845	0.15 in	1.63 in	Zinc Plated	Wrapped	405 lb	125 ft	7.4	10.75 in	33 lb
3/0	0722427	020418183454	0.15 in	1.63 in	Zinc Plated	Wrapped	405 lb	50 ft	7.4	5.5 in	17 lb
4/0	0744027	020418066498	0.16 in	1.80 in	Zinc Plated	Wrapped	485 lb	100 ft	6.7	10.75 in	29 lb
4/0	0744037	020418066528	0.16 in	1.80 in	Galvanized	Wrapped	485 lb	100 ft	6.7	10.75 in	29 lb
5/0	0745037	020418066603	0.18 in	2.15 in	Galvanized	Wrapped	580 lb	100 ft	5.6	10.75 in	34 lb

Brass Plumber's Chain - Cartons



- Plumbing Fixtures, & Other Applications Requiring Light Flat Metal Chain
- Standard Material: Brass
- Standard Finish: Bright
- Design Factor: 4 to 1
- Packaged in Cartons, Order Unit is "Feet"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Stock Thickness (in)	Inside Length	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
2/0	0872014	020418067877	0.02 in	0.55 in	Bright	23 lb	100 ft	21.8	2 lb
1/0	0871014	020418067839	0.02 in	0.55 in	Bright	35 lb	100 ft	21.8	2 lb

Brass Plumber's Chain - Reels



- Plumbing Fixtures, & Other Applications Requiring Light Flat Metal Chain
- Standard Material: Brass
- Standard Finish: Bright
- Design Factor: 4 to 1
- Packaged on Reels, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Stock Thickness (in)	Inside Length	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Reel Width (in.)	Weight Per Package
1/0	0723817	020418064883	0.02 in	0.55 in	Bright	35 lb	200 ft	21.8	3.5 in	5 lb

Inco, Double Loop Chain - Cartons



- Farm and Animal Chains, and Many General-Purpose Applications
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated, Galvanized
- Design Factor: 4 to 1
- Packaged in Cartons, Order Unit is "Feet"
- Made in the USA
- Note: Avoid Twisting in Suspension Applications
- Campbell Recommends The Use of Proof Coil or Straight Link Coil Chain for Swing Set Applications
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
4	0750424	020418066818	0.07 in	1.00 in	Zinc Plated	70 lb	100 ft	12.0	5 lb
3	0750324	020418066764	0.08 in	1.10 in	Zinc Plated	90 lb	100 ft	10.9	6 lb
2	0750224	020418066696	0.09 in	1.33 in	Zinc Plated	115 lb	100 ft	9.0	8 lb
1	0750124	020418066641	0.11 in	1.54 in	Zinc Plated	155 lb	100 ft	7.8	10 lb
1/0	0751034	020418066924	0.12 in	1.78 in	Galvanized	200 lb	100 ft	6.7	13 lb
2/0	0752024	020418066979	0.14 in	2.17 in	Zinc Plated	255 lb	100 ft	5.5	16 lb
2/0	0752034	020418067006	0.14 in	2.17 in	Galvanized	255 lb	100 ft	5.5	16 lb
4/0	0754034	020418067105	0.16 in	2.19 in	Galvanized	365 lb	100 ft	5.5	25 lb
8/0	0758034	020418067167	0.23 in	2.90 in	Galvanized	705 lb	100 ft	4.1	51 lb

Inco, Double Loop Chain - Round Pails



- Farm and Animal Chains, and Many General-Purpose Applications
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated
- Design Factor: 4 to 1
- Packaged in Pails, Order Unit is "Each"
- Made in the USA
- Note: Avoid Twisting in Suspension Applications
- Campbell Recommends The Use of Proof Coil or Straight Link Coil Chain for Swing Set Applications
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
2/0	0752023	020418066962	0.14 in	2.17 in	Zinc Plated	255 lb	350 ft	5.5	56 lb

Inco, Double Loop Chain - Square Pails



- Farm and Animal Chains, and Many General-Purpose Applications
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated, Polycoated in White or Yellow Color
- Design Factor: 4 to 1
- Packaged in Pails, Order Unit is "Each"
- Made in the USA
- Note: Avoid Twisting in Suspension Applications
- Campbell Recommends The Use of Proof Coil or Straight Link Coil Chain for Swing Set Applications
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
3	0754326	020418183348	0.08 in	1.10 in	Zinc Plated	90 lb	750 ft	10.9	47 lb
1	0754126	020418183331	0.11 in	1.54 in	Zinc Plated	155 lb	450 ft	7.8	45 lb
2/0	0752426	020418183324	0.14 in	2.17 in	Zinc Plated	255 lb	275 ft	5.5	50 lb
2/0	PA0752496	020418183362	0.14 in	3.17 in	White Polycoat	255 lb	275 ft	5.5	50 lb
2/0	PD0752496	020418183584	0.14 in	2.17 in	Yellow Polycoat	255 lb	200 ft	5.5	36 lb

Inco, Double Loop Chain - Reels



- Farm and Animal Chains, and Many General-Purpose Applications
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated, Polycoated in White, Yellow, Green or Red Colors
- Design Factor: 4 to 1
- Packaged on Reels, Order Unit is "Each"
- Made in the USA
- Note: Avoid Twisting in Suspension Applications
- Campbell Recommends The Use of Proof Coil or Straight Link Coil Chain for Swing Set Applications
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Reel Width (in.)	Weight Per Package
4	0720427	020418064593	0.07 in	1.00 in	Zinc Plated	70 lb	500 ft	12.0	10.75 in	24 lb
3	0723227	020418064791	0.08 in	1.10 in	Zinc Plated	90 lb	200 ft	10.9	5.5 in	14 lb
3	LPA0722227	020418228902	.08 in	1.1 in	White Polycoat	90 lb	80 ft	10.9	3.5 in	6 lb
3	PG0722227	020418183423	0.08 in	1.10 in	Red Polycoat	90 lb	150 ft	10.9	5.5 in	11 lb
2	0750227	020418066702	0.09 in	1.33 in	Zinc Plated	115 lb	250 ft	9.0	10.75 in	21 lb
1	0720127	020418064579	0.11 in	1.54 in	Zinc Plated	155 lb	250 ft	7.8	10.75 in	25 lb
1	0722627	020418183461	0.11 in	1.54 in	Zinc Plated	155 lb	125 ft	7.8	5.5 in	14 lb
1/0	AW0751024	020418145612	0.12 in	1.78 in	Zinc Plated	200 lb	100 ft	6.7	5.5 in	13 lb
2/0	PA0722027	020418183355	0.14 in	2.17 in	White Polycoat	255 lb	125 ft	5.5	10.75 in	22 lb
2/0	PD0722027	020418183386	0.14 in	2.17 in	Yellow Polycoat	255 lb	125 ft	5.5	10.75 in	23 lb
2/0	PE0722027	020418183416	0.14 in	2.17 in	Green Polycoat	255 lb	125 ft	5.5	10.75 in	22 lb
2/0	0722027	020418183263	0.14 in	2.17 in	Zinc Plated	255 lb	155 ft	5.5	10.75 in	26 lb
2/0	0722087	020418183836	0.14 in	2.17 in	Zinc Plated	255 lb	60 ft	5.5	5.5 in	11 lb
2/0	PD0722087	020418183577	0.14 in	2.17 in	Yellow Polycoat	255 lb	50 ft	5.5	5.5 in	10 lb
3/0	0726427	020418184444	0.15 in	2.17 in	Zinc Plated	305 lb	150 ft	5.5	10.75 in	34 lb
4/0	0724627	020418209253	0.16 in	2.19 in	Zinc Plated	365 lb	100 ft	5.5	10.75 in	28 lb

Special Inco Well Chain



- General Utility; Farm and Animal; Well Pipes
- Standard Material: Low Carbon Steel, Galvanized Wire
- Packaged in Cartons, Order Unit is "Feet" or Pail, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
2/0	0762024	020418067174	0.14 in	2.50 in	Zinc Coated	255 lb	250 ft	5.5	41 lb
2/0	T0762026	020418237843	0.14 in	2.50 in	Zinc Coated	255 lb	250 ft	5.5	41 lb

Single Jack Chain - Cartons



- Fixture and Novelty Suspension
- General Utility Use Not Requiring High Strength
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated
- Packaged in Cartons, Order Unit is "Feet"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
16	0801624	020418067402	0.06 in	0.50 in	Zinc Plated	10 lb	100 ft	24	3 lb
14	0801424	020418067365	0.08 in	0.63 in	Zinc Plated	16 lb	100 ft	19	5 lb
12	0801224	020418067327	0.11 in	0.75 in	Zinc Plated	29 lb	100 ft	16	9 lb
10	0801024	020418067280	0.14 in	0.93 in	Zinc Plated	43 lb	100 ft	13	14 lb
8	0800824	020418067235	0.16 in	1.09 in	Zinc Plated	60 lb	100 ft	11	21 lb

Single Jack Chain - Reels



- Fixture and Novelty Suspension
- General Utility Use Not Requiring High Strength
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated, Brass Glo and Black Polycoated
- Packaged on Reels, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Reel Width (in.)	Weight Per Package
18	AW0801827	020418145711	0.05 in	0.39 in	Zinc Plated	5 lb	200 ft	31	3.5 in	5 lb
16	0724027	020418064920	0.06 in	0.50 in	Zinc Plated	10 lb	250 ft	24	3.5 in	8 lb
14	PB0722827	020418183379	0.08 in	0.63 in	Black Polycoat	16 lb	190 ft	19	3.5 in	10 lb
14	AW0801427	020418145698	0.08 in	0.63 in	Zinc Plated	16 lb	200 ft	19	3.5 in	12 lb
12	0721727	020418064746	0.11 in	0.75 in	Zinc Plated	29 lb	100 ft	16	3.5 in	9 lb
12	0724022	020418064913	0.11 in	0.75 in	Brass Glo	29 lb	100 ft	16	3.5 in	9 lb
12	AW0801227	020418145681	0.11 in	0.75 in	Zinc Plated	29 lb	200 ft	16	5.5 in	17 lb
10	AW0801027	020418145674	0.14 in	0.93 in	Zinc Plated	43 lb	100 ft	13	5.5 in	15 lb

Double Jack Chain - Reels



- Fixture and Novelty Suspension
- General Utility Use Not Requiring High Strength
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated, Brass Glo
- Packaged on Reels, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Reel Width (in.)	Weight Per Package
16	0721627	020418064722	0.06 in	0.34 in	Zinc Plated	11 lb	200 ft	35	3.5 in	9 lb
16	0721667	020418064739	0.06 in	0.34 in	Brass Glo	11 lb	200 ft	35	3.5 in	9 lb

Sash Chain - Cartons



- Counter-Balance Chain for Double Hung Window Sashes
- Also for Arc Lamp Chain, Animal Chain
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated, Copper Glo, Solid Bronze
- Design Factor: 4 to 1
- Packaged in Cartons, Order Unit is "Feet"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Stock Thickness (in)	Inside Length	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
8	0890824	020418067952	0.04 in	0.55 in	Zinc Plated	75 lb	100 ft	22	4 lb
8	0890844	020418067976	0.04 in	0.55 in	Copper Glo	75 lb	100 ft	22	4 lb
8	0880844*	020418067921	0.04 in	0.55 in	Copper Glo	75 lb	100 ft	22	4 lb
25	0892524	020418068034	0.04 in	0.55 in	Zinc Plated	94 lb	100 ft	22	5 lb
35	0893524	020418068201	0.04 in	0.59 in	Zinc Plated	106 lb	100 ft	20	6 lb
35	0893544	020418068225	0.04 in	0.59 in	Copper Glo	106 lb	100 ft	20	6 lb
35	0893574	020418068249	0.04 in	0.59 in	Solid Bronze	100 lb	100 ft	20	6 lb
40	0894024	020418068287	0.04 in	0.59 in	Zinc Plated	131 lb	100 ft	20	7 lb
40	0894074	020418068324	0.04 in	0.59 in	Solid Bronze	125 lb	100 ft	20	7 lb
45	0894524	020418068362	0.05 in	0.56 in	Zinc Plated	175 lb	100 ft	21	9 lb
50	0895024	020418068454	0.06 in	0.65 in	Zinc Plated	225 lb	100 ft	21	11 lb

* Includes fixtures for 7 double hung sashes. Order unit is box.

Sash Chain - Reels



- Counter-Balance Chain for Double Hung Window Sashes
- Also for Arc Lamp Chain, Animal Chain
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated
- Design Factor: 4 to 1
- Packaged on Reels, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Stock Thickness (in)	Inside Length	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Reel Width (in.)	Weight Per Package
8	0890827	020418067969	0.04 in	0.55 in	Zinc Plated	75 lb	500 ft	22	5.5 in	20 lb
25	0892527	020418068041	0.04 in	0.55 in	Zinc Plated	94 lb	500 ft	22	10.75 in	25 lb
35	0893527	020418068218	0.04 in	0.59 in	Zinc Plated	106 lb	500 ft	20	10.75 in	30 lb
35	0723727	020418064876	0.04 in	0.59 in	Zinc Plated	106 lb	100 ft	20	3.5 in	7 lb

Stainless Steel Sash Chain - Cartons



- Counter-Balance Chain for Double Hung Window Sashes
- Also for Arc Lamp Chain, Animal Chain
- Standard Material: Type 304 Stainless Steel
- Standard Finish: Polished
- Design Factor: 4 to 1
- Packaged in Cartons, Order Unit is "Feet"
- Made in the USA
- Do Not Use for Overhead Lifting
- Size 35 is also known as size 3 Navy chain
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Stock Thickness (in)	Inside Length	Finish	Working Load Limit	Feet Per Package	Links Per Foot	Weight Per Package
8	0898014	020418068560	0.04 in	0.55 in	Stainless Steel	75 lb	100 ft	22	4 lb
35	0895314	020418068515	0.04 in	0.59 in	Stainless Steel	175 lb	100 ft	20	6 lb

Decorator Chain



- For Hanging Plants and Lamps, Drapery Tie-Backs
- Finishes: Zinc Plated, Brass Glo, Black Polycoated, Antique Brass, White Polycoated, Antique Copper, Antique Silver, Brushed Nickel
- Order Unit is "Each Reel"
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Reel Width (in.)	Weight Per Package
4	0720428	020418178771	0.120 in	0.58 in	0.21 in	Zinc Plated	70 lb	90 ft	3.5 in	10 lb
10	0722000	020418190834	0.135 in	1.21 in	0.52 in	Brass Glo	35 lb	60 ft	3.5 in	10 lb
10	0722002	020418183218	0.135 in	1.21 in	0.52 in	Black Polycoat	35 lb	40 ft	3.5 in	6.8 lb
10	0722003	020418183225	0.135 in	1.21 in	0.52 in	Antique Brass	35 lb	40 ft	3.5 in	6.8 lb
10	0722004	020418183232	0.135 in	1.24 in	0.52 in	White Polycoat	35 lb	40 ft	3.5 in	6.8 lb
10	0722006	020418183249	0.135 in	1.21 in	0.52 in	Antique Copper	35 lb	40 ft	3.5 in	6.8 lb
10	0722007	020418183256	0.135 in	1.21 in	0.52 in	Antique Silver	35 lb	40 ft	3.5 in	6.8 lb
10	0722010	020418212161	0.135 in	1.21 in	0.52 in	Brushed Nickel	35 lb	40 ft	3.5 in	6.8 lb

Hobby/Craft Decorator Chain - Standard Reels



- Used for Decorative and Hobby/Craft Applications
- Finishes: Brass Plated, Black
- Order Unit is "Each Reel"
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Reel Width (in.)	Weight Per Package
100	0711017	020418188251	0.087 in	0.63 in	0.24 in	Brass Plated	13 lb	197 ft	4.5 in	11.6 lb
100	0711077	020418188268	0.087 in	0.63 in	0.24 in	Black	13 lb	197 ft	4.5 in	11.6 lb

Hobby/Craft Cathedral Chain - Standard Reels



- Used for Decorative and Hobby/Craft Applications
- Finishes: Brass Plated, Black, White
- Order Unit is "Each Reel"
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Reel Width (in.)	Weight Per Package
31	0713117	020418188374	0.087 in	0.95 in	0.40 in	Brass Plated	20 lb	98 ft	4.5 in	7 lb
31	0713177	020418188381	0.087 in	0.95 in	0.40 in	Black	20 lb	98 ft	4.5 in	7 lb
31	0713187	020418188398	0.087 in	0.95 in	0.40 in	White	20 lb	98 ft	4.5 in	7 lb
32	0713217	020418188411	0.105 in	1.57 in	0.56 in	Brass Plated	35 lb	66 ft	4.5 in	7 lb
32	0713277	020418188428	0.105 in	1.57 in	0.56 in	Black	35 lb	66 ft	4.5 in	7 lb

Hobby/Craft Twist Chain - Mini Reels



- Used for Decorative and Hobby/Craft Applications
- Finishes: Brass Plated, Nickel Plated, Black
- Order Unit is "Each Reel"
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Reel Width (in.)	Weight Per Package
200	0712027	020418188299	0.079 in	0.40 in	0.16 in	Nickel Plated	12 lb	49 ft	3.25 in	2.8 lb
70	0717017	020418188558	0.043 in	0.14 in	0.07 in	Brass Plated	5 lb	82 ft	3.25 in	1.5 lb
90	0719017	020418188572	0.056 in	0.21 in	0.12 in	Brass Plated	5 lb	82 ft	3.25 in	2 lb
90	0719027	020418188589	0.056 in	0.21 in	0.12 in	Nickel Plated	5 lb	82 ft	3.25 in	2 lb
200	0712017	020418188282	0.079 in	0.40 in	0.16 in	Brass Plated	12 lb	49 ft	3.25 in	2.8 lb
250	0712517	020418188312	0.099 in	0.33 in	0.16 in	Brass Plated	25 lb	33 ft	3.25 in	2.8 lb
250	0712577	020418188336	0.099 in	0.33 in	0.16 in	Black	25 lb	33 ft	3.25 in	2.8 lb

Hobby/Craft Clock Chain - Mini Reels



- Used for Decorative and Hobby/Craft Applications
- Finishes: Brass Plated
- Order Unit is "Each Reel"
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Reel Width (in.)	Weight Per Package
3	0710317	020418188183	0.043 in	0.31 in	0.11 in	Brass Plated	5 lb	164 ft	3.25 in	2.8 lb
3	0710327	020418188190	0.043 in	0.31 in	0.11 in	Nickel Plated	5 lb	164 ft	3.25 in	1.50 lb
5	0710517	020418188206	0.051 in	0.31 in	0.11 in	Brass Plated	10 lb	82 ft	3.25 in	1.8 lb
7	0710717	020418188220	0.063 in	0.30 in	0.11 in	Brass Plated	15 lb	82 ft	3.25 in	2.5 lb

Hobby/Craft Sash Chain - Mini Reels



- Used for Decorative and Hobby/Craft Applications
- Finishes: Chrome Plated
- Order Unit is "Each Reel"
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Reel Width (in.)	Weight Per Package
2	0710227	020418188176	0.016 in	0.58 in	0.20 in	Chrome Plated	29 lb	164 ft	3.25 in	2.1 lb
3	0713027	020418188367	0.020 in	0.75 in	0.27 in	Chrome Plated	25 lb	82 ft	3.25 in	1.8 lb

Ball Chain



- Used for Chain Pulls and Other Home and Craft Projects
- Ball Chain Connectors are packed 6 pcs per Bag and 10 Bags per Box
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Material Diameter	Chain Type	Finish	Working Load Limit	Feet Per Package	Reel Width (in.)	Weight Per Package	Shelf Pack Qty.
36	0713627	020418188459	0.142 in	#36 Ball Chain	Chrome Plated	11 lb	164 ft	3.25 in	2.60 lb	-
36	B0713601	020418156755	-	#36 Ball Chain Connector	Chrome Plated	-	-	-	-	10
36	B0713602	020418157943	-	#36 Ball Chain Connector	Brass Plated	-	-	-	-	10

Hobby Chain - Carded



C0712027

C0710517

C0713617

- Used for Decorative and Hobby/Craft Applications
- Finishes: Brass Plated, Nickel Plated, Black
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Chain Type	Finish	Working Load Limit	Feet Per Card	Weight Per Package	Shelf Pack Qty.
200	C0712017	020418212543	0.079 in	#200 Twist Chain	Brass Plated	12 lb	10	0.58 lb	5
200	C0712027	020418212536	0.079 in	#200 Twist Chain	Nickel Plated	12 lb	10	0.58 lb	5
5	C0710517	020418212505	0.051 in	#5 Clock Chain	Brass Plated	10 lb	15	0.39 lb	5
36	C0713617	020418212529	0.142 in	#36 Ball Chain w/2 connectors	Brass Plated	11 lb	6	0.12 lb	5
36	C0713627	020418212512	0.142 in	#36 Ball Chain w/2 connectors	Nickel Plated	11 lb	6	0.12 lb	5

Oval Link Chain



- Used for Decorative and Hobby/Craft Applications
- Finishes: Brass Plated
- Order Unit is "Each Reel"
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Finish	Working Load Limit	Feet Per Package	Reel Width (in.)	Weight Per Package
19	0711917	020418188275	0.043 in	0.20 in	0.11 in	Brass Plated	3 lb	82 ft	3.25 in	1.70 lb

Plastic Chain - Square Pails



- Used for Creating Borders for Flower Beds, Gardens, Driveways, Etc.
- For Decorative Non-Load Bearing Use Only
- Available in Three Colors: White, Yellow or Black
- Order Unit is "Each Pail"
- Do Not Use for Overhead Lifting, Towing or Pulling

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Color	Feet Per Package	Weight Per Package
6	0990646	020418185168	0.23 in	1.00 in	0.30 in	White	220 ft	16 lb
8	0990836	020418185182	0.29 in	1.50 in	0.40 in	Yellow	138 ft	12 lb
8	0990846	020418185205	0.29 in	1.50 in	0.40 in	White	138 ft	12 lb
8	0990856	020418185229	0.29 in	1.50 in	0.40 in	Black	138 ft	12 lb

Plastic Chain - Reels



- Used for Creating Borders for Flower Beds, Gardens, Driveways, Etc.
- For Decorative Non-Load Bearing Use Only
- Available in Three Colors: White, Yellow or Black
- Order Unit is "Each Reel"
- Do Not Use for Overhead Lifting, Towing or Pulling

Trade Size	Cat. No.	UPC No.	Material Diameter	Inside Length	Inside Width	Color	Feet Per Package	Reel Width (in.)	Weight Per Package
6	0990647	020418185175	0.23 in	1.00 in	0.30 in	White	100 ft	10.75 in	7 lb
8	0990837	020418185199	0.30 in	1.50 in	0.50 in	Yellow	60 ft	10.75 in	5 lb
8	0990847	020418185212	0.30 in	1.50 in	0.50 in	White	60 ft	10.75 in	5 lb
8	0990857	020418185236	0.30 in	1.50 in	0.50 in	Black	60 ft	10.75 in	5 lb

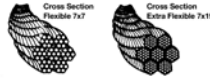
Chain and Cable - Plastic Clam Shell Packs



- Product Packaged in Clear, See-Through Plastic Clam Shells
- Customer Can See Product First Hand
- Package Will Sit Upright on Shelf or Can Be Hung Using Convenient Hang Up Hole
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Cat. No.	UPC No.	Size and Description	Working Load Limit	Feet Per Package	Weight Per Package	Shelf Pack Qty.
5971230	020418185243	3/16" Proof Coil Chain, Zinc Plated	800 lb	10 ft	4 lb	6
5973000	020418185250	2/0 Passing Link Chain, Zinc Plated	450 lb	10 ft	3.4 lb	5
5973310	020418185274	2/0 Straight Link Coil Chain, Zinc Plated	520 lb	10 ft	3 lb	5
5977502	020418185304	#3 Double Loop (Inco) Chain, Zinc Plated	90 lb	15 ft	1 lb	9
5977510	020418185311	#1 Double Loop (Inco) Chain, Zinc Plated	155 lb	15 ft	1.7 lb	5
5977522	020418185335	2/0 Double Loop (Inco) Chain, Zinc Plated	255 lb	15 ft	2.6 lb	6
5978000	020418185342	#12 Single Jack Chain, Zinc Plated	29 lb	15 ft	1.4 lb	9
5979600	020418185403	#10 Decorator Chain, Brass Glo	35 lb	10 ft	1.4 lb	5
5979610	020418185410	#10 Decorator Chain, Black	35 lb	10 ft	1.6 lb	5
5979630	020418185434	#10 Decorator Chain, White	35 lb	10 ft	1.6 lb	5
5977001	020418185571	3/32" Vinyl Coated Cable	184 lb	50 ft	2 lb	5
5977011	020418185595	1/8" Vinyl Coated Cable	340 lb	50 ft	2 lb	5
5977020	020418185601	3/16" Vinyl Coated Cable	840 lb	25 ft	2.2 lb	5
5977206CBL	020418239540	3/16" x 6' Security Cable	840 lb	6 ft	.6 lb	3
5977405CBL	020418239557	1/8" x 50' Galvanized Cable w/Swaged Eye One End	340 lb	50 ft	1.5 lb	3
5977410CBL	020418239564	1/8" x 100' Galvanized Cable w/Swaged Eye One End	340 lb	100 ft	3 lb	3
5977610CBL	020418239571	1/8" x 100' Vinyl Coated Cable w/Swaged Eye One End	340 lb	100 ft	3.4 lb	3

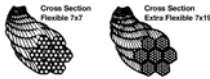
Cable - Uncoated, Galvanized



- High Strength Cable with A Galvanized Finish
- Flexible 7 X 7 or 7 X 19 Construction
- Design Factor: 5 to 1
- DO NOT EXCEED THE WORKING LOAD LIMIT

Cat. No.	UPC No.	Size (in.)	Construction Type	Working Load Limit	Feet Per Package	Reel Width (in.)	Weight Per Package
7000227	020418100253	1/16	7 x 7	96 lb	500 ft	3.5 in	5 lb
7000327	020418100260	3/32	7 x 7	184 lb	500 ft	3.5 in	14 lb
7000427	020418100284	1/8	7 x 7	340 lb	500 ft	3.5 in	16 lb
7000627	020418100307	3/16	7 x 19	840 lb	250 ft	3.5 in	18 lb
7000827	020418100321	1/4	7 x 19	1400 lb	250 ft	6 in	26 lb
7000927	020418189463	5/16	7 x 19	1960 lb	200 ft	6 in	35 lb

Cable - Vinyl Coated



- High Strength Cable with A Galvanized Finish
- Clear Vinyl Coated
- Flexible 7 X 7 or 7 X 19 Construction
- Vinyl Coated Cable is More Resistant to Abrasion and Weathering
- Can Be Cleaned Easily
- Warning: Remove Plastic Coating From Cable Where Clips, Clamps, Ferrules or Hardware Are Attached
- Design Factor: 5 to 1
- DO NOT EXCEED THE WORKING LOAD LIMIT

Cat. No.	UPC No.	Size (in.)	Size With Coating (in.)	Construction Type	Working Load Limit	Feet Per Package	Reel Width (in.)	Weight Per Package
7000397	020418100277	3/32	1/8 in	7 x 7	184 lb	250 ft	3.5 in	8 lb
7000497	020418100291	1/8	3/16 in	7 x 7	340 lb	250 ft	3.5 in	10 lb
7000697	020418100314	3/16	1/4 in	7 x 19	840 lb	250 ft	6 in	20 lb
7000897	020418100338	1/4	5/16 in	7 x 19	1400 lb	200 ft	6 in	26 lb

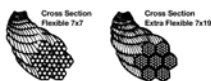
Cable - Coated Green



- Green Vinyl Coated Cable
- 1 X 7 Iron Wire Construction Which Enables Bending or Shaping of Cable
- Vinyl Coated Cable is More Resistant to Abrasion and Weathering
- Can Be Cleaned Easily
- Warning: Remove Plastic Coating From Cable Where Clips, Clamps, Ferrules or Hardware Are Attached
- Design Factor: 5 to 1
- DO NOT EXCEED THE WORKING LOAD LIMIT

Cat. No.	UPC No.	Size (in.)	Size With Coating (in.)	Construction Type	Working Load Limit	Feet Per Package	Reel Width (in.)	Weight Per Package
7000197	020418189456	1/16	1/8 in	1 x 7	28 lb	250 ft	3.5 in	5 lb

Cable - Stainless Steel



- High Strength Stainless Steel Cable
- Type 304 Stainless Steel
- Flexible 7 X 7 or 7 X 19 Construction
- Design Factor: 5 to 1
- DO NOT EXCEED THE WORKING LOAD LIMIT

Cat. No.	UPC No.	Size (in.)	Construction Type	Working Load Limit	Feet Per Package	Reel Width (in.)	Weight Per Package
T7000226	020418240775	1/16	7 x 7	96 lb	250 ft	3.5 in	2.3 lb
T7000326	020418240782	3/32	7 x 7	184 lb	250 ft	3.5 in	6.3 lb
7000426	020418193071	1/8	7 x 7	340 lb	250 ft	3.5 in	7.2 lb
7000626	020418193088	3/16	7 x 19	740 lb	250 ft	3.5 in	16 lb
7000826	020418193095	1/4	7 x 19	1280 lb	250 ft	6 in	26 lb
T7000926	020418238192	5/16	7 x 19	1800 lb	200 ft	6 in	35 lb

Wire Rope - Uncoated



- 6X19 Fiber Core Construction
- Treated with A Rust Prohibiting Oil
- Design Factor: 5 to 1
- DO NOT EXCEED THE WORKING LOAD LIMIT

Cat. No.	UPC No.	Size (in.)	Construction Type	Working Load Limit	Feet Per Package	Reel Width (in.)	Weight Per Package
7008027	020418190902	1/4	6 x 19	1040 lb	500 ft	8.5 in	53 lb
7008227	020418190919	5/16	6 x 19	1700 lb	500 ft	8.5 in	82 lb
7008327	020418190926	3/8	6 x 19	2400 lb	250 ft	8.5 in	58 lb
7008427	020418190933	1/2	6 x 19	4280 lb	250 ft	9.75 in	102 lb

Log Chain



- Made From Grade 30 Proof Coil Chain with Grab Hook One End, Slip Hook Other End
- Standard Finish: Self Colored
- Proof Tested
- Design Factor: 4 to 1
- Packed One 14 Ft. Length Per Bag; 2 Bags Per Box
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Length	Weight Each	Working Load Limit	Shelf Pack Qty.
3/8 in	1005505	020418068591	14 ft	23 lb	2650 lb	2

Grade 43, Binder Chains



- Binder Chains Manufactured Using Grade 43 Chain and Feature Forged Heat Treated Clevis Grab Hooks on Each End
- Standard Finish: Bright (Brt)
- Chains May Be Used in Accordance with the Latest D.O.T. Regulations
- Used to Tie Down or "Bind" Loads for Transportation
- Packaged in Drums, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Cat. No.	UPC No.	Size/Trade Size	Pieces Per Package	Finish	Weight Each	Working Load Limit
0226615	020418059995	5/16 in x 20 ft	25	Bright	20 lb	3900 lb
0226625	020418060007	5/16 in x 25 ft	25	Bright	25 lb	3900 lb
0222525	020418174339	3/8 in x 12 ft	25	Bright	19 lb	5400 lb
0222625	020418174353	3/8 in x 14 ft	25	Bright	21 lb	5400 lb
0222725	020418174377	3/8 in x 16 ft	20	Bright	25 lb	5400 lb
0222925	020418174414	3/8 in x 20 ft	20	Bright	32 lb	5400 lb
0223025	020418174438	3/8 in x 25 ft	20	Bright	37 lb	5400 lb

Grade 43, Binder Chains, Packed in Pail or Vinyl Bag



- Binder Chains Manufactured Using Grade 43 Chain and Feature Forged Heat Treated Clevis Grab Hooks on Each End
- Standard Finish: Bright (Brt)
- Chains May Be Used in Accordance with the Latest D.O.T. Regulations
- Used to Tie Down or "Bind" Loads for Transportation
- Packaged in Pails or Bags, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Cat. No.	UPC No.	Size/Trade Size	Packaging	Finish	Weight Each	Working Load Limit	Shelf Pack Qty.
T0222725	020418163067	3/8 in x 16 ft	1 per Bag	Bright	25 lb	5400 lb	-
T0223698	020418264368	3/8 in x 20 ft	1 per Bag	Bright	32 lb	5400 lb	-
T0223820	020418237829	3/8 in x 20 ft	3 per Pail	Bright	32 lb	5400 lb	3

Grade 70 Binder Chains



- Binder Chains Manufactured Using Grade 70 Chain and Feature Forged Heat Treated Clevis Grab Hooks on Each End
- Standard Finish: Chain Has Yellow Chromated Zinc Electroplate Finish, Hooks Are Bright Finish
- Chains May Be Used in Accordance with the Latest D.O.T. Regulations
- Grade 70 Binder Chains Provide Higher Load-To-Weight Ratios
- Used to Tie Down or "Bind" Loads for Transportation
- Packaged in Drums, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Cat. No.	UPC No.	Size/Trade Size	Pieces Per Package	Finish	Weight Each	Working Load Limit
0513571	020418174162	5/16 in x 14 ft	25	Yellow Chromate	15 lb	4700 lb

Grade 70 Binder Chains Continued

Cat. No.	UPC No.	Size/Trade Size	Pieces Per Package	Finish	Weight Each	Working Load Limit
0513572	020418174179	5/16 in x 16 ft	25	Yellow Chromate	17 lb	4700 lb
0513574	020418174193	5/16 in x 20 ft (Short Link)	25	Yellow Chromate	24 lb	4700 lb
0513576	020418212130	5/16 in x 20 ft (Long Link)	25	Yellow Chromate	22 lb	4700 lb
0513575	020418174209	5/16 in x 25 ft	25	Yellow Chromate	30 lb	4700 lb
0513658	020418064128	3/8 in x 14 ft	25	Yellow Chromate	24 lb	6600 lb
0513660	020418064135	3/8 in x 16 ft	25	Yellow Chromate	27 lb	6600 lb
0513665	020418064159	3/8 in x 20 ft	20	Yellow Chromate	32 lb	6600 lb
0513667	020418064166	3/8 in x 25 ft	20	Yellow Chromate	39 lb	6600 lb
0513765	020418178788	1/2 in x 20 ft	20	Yellow Chromate	54 lb	11300 lb

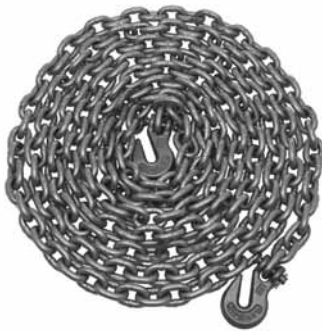
Grade 70, Binder Chains, Packed in Pail or Vinyl Bag



- Binder Chains Manufactured Using Grade 70 Chain and Feature Forged Heat Treated Clevis Grab Hooks on Each End
- Standard Finish: Chain Has Yellow Chromated Zinc Electroplate Finish, Hooks Are Bright Finish
- Chains May Be Used in Accordance with the Latest D.O.T. Regulations
- Packaged in Pails or Bags, Order Unit is "Each"
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Cat. No.	UPC No.	Size/Trade Size	Packaging	Finish	Weight Each	Working Load Limit	Shelf Pack Qty.
T0513598	020418263248	5/16 in x 20 ft	1 per Bag	Yellow Chromate	22 lb	4700 lb	2
T0513698	020418262937	3/8 in x 20 ft	1 per Bag	Yellow Chromate	32 lb	6600 lb	-
T0513678	020418237782	3/8 in x 20 ft	3 per Pail	Yellow Chromate	32 lb	6600 lb	3

Tow Chain



- Tow Chains Are Available in High Test or Transport Grade
- All Have Forged Clevis Hooks
- Tow Chains Are Subject to Shock Loading and Must Be Inspected Frequently
- They Must Be Taken Out of Service When Damaged
- Select the Right Chain for the Job According to the Working Load Limits
- Made in the USA
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Cat. No.	UPC No.	Size/Trade Size	Chain Type	Finish	Packaging	Weight Each	Working Load Limit	Shelf Pack Qty.
0231912	020418187681	5/16 in x 12 ft	High Test Chain w/Clevis Hooks	Hi-Visibility Orange Polycoat	1/Bag	14 lb	3900 lb	2
0231916	020418188756	5/16 in x 16 ft	High Test Chain w/Clevis Hooks	Hi-Visibility Orange Polycoat	1/Bag	18 lb	3900 lb	2
0513578	020418175794	5/16 in x 20 ft	Transport Chain w/Clevis Hooks	Yellow Chromate	1/Bag	22 lb	4700 lb	2

Tow Cable



- Used for Towing, Logging
- Galvanized Cable with Zinc Plated Hooks
- Product Packaged in Clear, See-Through Plastic Clam Shells
- Eye Slip Hooks Swaged on Each End
- Do Not Use for Overhead Lifting
- DO NOT EXCEED THE WORKING LOAD LIMIT

Cat. No.	UPC No.	Size and Description	Working Load Limit	Weight Each	Shelf Pack Qty.
5977920	020418205453	5/16 in x 20 ft	1960 lb	5 lb	3

Pet Tie-Outs



- Product Packaged in Clear, See-Through Plastic Clam Shells
- One Chain or Cable Per Clam Shell
- Welded Pet Tie-Out Uses 2/0 Welded Chain with Heavy Duty Swivel Snaps Each End, Rated for Larger Pets Up to 70 Lbs.
- Tie-Out Cable Features Red Vinyl Coating Over Galvanized Cable with Swivel Snaps on Each End, Rated for Small to Medium Pets Up to 35 Lbs.

Cat. No.	UPC No.	Size and Description	Chain/Cable Size	Length	Working Load Limit	Weight Per Package	Shelf Pack Qty.
3129907	020418211690	Large Pet Tie-out Chain w/Swivel Snaps Each End	2/0	15 ft	520 lb	3.6 lb	3
5970820	020418205378	Small to Medium Pet Tie-out Cable w/Swivel Snaps Each End	1/8"	20 ft	150 lb	1.2 lb	3

Dog Runner and Kennel Chains



- Product Packaged in Clear, See-Through Plastic Clam Shells
- Inco Chain with Zinc Plate Finish and Swivel Snaps Each End
- One Chain Per Clam Shell
- For Small to Medium Pets Up to 35 Lbs.

Cat. No.	UPC No.	Chain/Cable Size	Length	Working Load Limit	Weight Per Package	Shelf Pack Qty.
3129504	020418171055	# 2	15 ft	80 lb	1.25 lb	5
3129507	020418171079	2/0	15 ft	120 lb	2.50 lb	6

Tie-Out Chains



- Product Packaged in Clear, See-Through Plastic Clam Shells
- Double Loop (Inco) Chain with Ring and Swivel Snaps on Opposite Ends, Swivel in Center
- One Chain Per Clam Shell
- For Small to Medium Pets Up to 35 Lbs.

Cat. No.	UPC No.	Chain/Cable Size	Length	Working Load Limit	Weight Per Package	Shelf Pack Qty.
3209507	020418171109	2/0	20 ft	120 lb	3.25 lb	3

Porch Swing Chain Assembly with Hooks



- For Securing Porch Swings to Porch Ceilings
- Set Packaged One Pair Per Clam Shell, Includes Hooks for Installation
- The Rated Working Load Limit is 500Lb / 227Kg Per Pair
- Made in the USA



Cat. No.	UPC No.	Working Load Limit	Weight Per Package	Shelf Pack Qty.
0702024	020418064562	500 lb	3.30 lb	5

Hydraulic Chain Cutters



- 7508495 – Max capacity: 3/8" high test chain (G43)
- 7508595 – Max capacity: 3/8" alloy/transport (G70) or 1/2" high test chain (G43)
- Both can be mounted to Campbell free standing or Lozier display
- MADE IN USA

Cat. No.	UPC No.	Type	Capacity	Weight Each
7508495	020418135477	Hydraulic Chain Cutter	3/8 in	33 lb
7508595	020418178320	Hydraulic Chain Cutter # 80	3/8 in	38 lb
M7508494	020418208294	Hydraulic Cutter Guard Kit	-	1 lb

TECH INFORMATION

Warnings, Cautions, Inspection and Proper Use of Accessories

Certain precautions and standards of treatment should be observed when using Campbell accessories. Proper care will extend the useful life of the product.

SNAPS, PULLEYS, QUICK AND SPRING LINKS, RINGS AND SWIVELS

Campbell offers a full line of snap products made from a variety of materials to meet the needs of many applications. These products are designed and intended for light duty applications.

Typical and appropriate uses would include pet leashes, ancillary saddlery and tack, hanging plants, flagpoles, tarp covers, key rings, gate closures, luggage and shoulder bag straps. Snaps are not to be used for overhead lifting, to support human weight, for playground or athletic equipment, or as safety devices.

WARNINGS AND CAUTIONS:

- The use of accessories is subject to certain hazards that cannot be met by mechanical or manufacturing means, but only by the exercise of intelligence, care, and common sense.
- Do not exceed the working load limit of the accessory.
- Chemically active environments may adversely affect accessories. Do not use in highly acidic or caustic environments. Campbell should be contacted if the accessory will be exposed to chemically active environments during use.
- High and low temperatures will affect accessories. Campbell should be contacted if temperatures below -20°F (-29°C) or above 200°F (93°C) will be experienced.
- Accessories, such as load binders, used in certain applications are subject to governmental regulations. Please follow all Federal, State and/or Local Department of Transportation, OSHA, or other applicable standards and regulations when using Campbell products.
- Never field weld or repair accessories.
- See other specific information under the “Inspection” and “Proper Use” sections.

INSPECTION

Regular inspections should be conducted on accessories to detect damage or deterioration from use. The accessory should be inspected for any of the below conditions. If present, the accessory should immediately be removed from service.

- Cracks.
- Excessive nicks or gouges.
- Excessive wear. The accessory should be removed from service if any dimension is worn more than 10% from the original dimension.
- Stretched, bent, twisted, or distorted parts.

- Excessive corrosion.
- Evidence of heat damage.
- Evidence of field welding.
- Any other condition which questions the integrity of the accessory.

PROPER USE

To protect the users and to prevent damage to the accessories, the following safe practices should be followed:

- Select the accessory suitable for the application and environment.
- Avoid shock loading.
- Avoid bending over sharp edges or corners.
- Avoid twisting.
- Follow the assembly instructions and cautions and warning on the product packaging.

Purchasers please note that all “Warnings and Cautions” apply to accessories as well as all chain, components and fittings. Purchasers are responsible for conveying the “Warnings and Cautions” including the “Inspection” and “Proper Use” section information to the end user.

Campbell denies any liability for damage that results from use in excess of the working load limit or any abuse or misuse of the product.

Any questions concerning the use of Campbell products may be directed to your Apex Tool Group Sales Representative or Customer Service.

NOTICE: The product specifications and dimensions are as accurate as possible at the time of printing. However, because we are continually improving the quality and design of our products, they can change without notice.

The dimensions and weights are approximate nominal values, and some variation will occur. If specific dimensional requirements are necessary for the application, please contact your Apex Tool Group Sales Representative or Customer Service.

Load Binders



- To Tighten Chain, Typically for Cargo Securement
- Meets U.S. D.O.T. 393.100 -393.102 Requirements for Use with Chain
- Lever Type: Allows for Quicker Application of Load
- Ratchet Type: Allows for Easier Adjustment of Tension and Greater Range of Take-Up
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting

Cat. No.	UPC No.	Style	For Chain Size & Grade	Finish	Take-Up	Quantity Per Package	Working Load Limit	Weight Each
6203205	020418178658	Lever Type, Imported	1/4" Gr.30 & Gr.43	Painted Red	2-3/4 in	4	2600 lb	3.40 lb
6203603	020418086441	Lever Type, Domestic	5/16" Gr.70 to 3/8" Gr.43	Painted Red	4-1/2 in	4	5400 lb	7.50 lb
6203604	020418187162	Lever Type, Imported	5/16" Gr.70 to 3/8" Gr.43	Painted Red	4-1/2 in	4	5400 lb	8.05 lb
6203605	020418190247	Lever Type, Domestic	3/8" Gr.70 to 1/2" Gr.43	Painted Red	4-1/2 in	Bulk	9200 lb	9.92 lb
6207504	020418086472	Ratchet Type, Imported	5/16" Gr.70 to 3/8" Gr.43	Painted Red	8 in	Bulk	5400 lb	11.00 lb
6207506	020418228940	Ratchet Type, Imported	5/16" Gr.70 to 3/8" Gr.70	Yellow Chromate	8 in	2	6600 lb	11.00 lb
6207803	020418189425	Ratchet Type, Imported	3/8" Gr.70 to 1/2" Gr.43	Painted Red	8 in	Bulk	9200 lb	9.92 lb
6207805	020418086489	Ratchet Type, Domestic	3/8" Gr.70 to 1/2" Gr.43	Painted Red	8 in	Bulk	9200 lb	12.50 lb

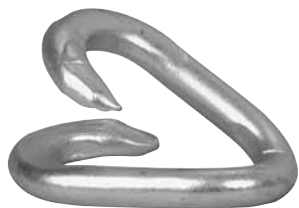
Cable Pullers



- Feature Double Drive Ratchet Wheels
- Easy Let-Down Releases and Aircraft-Type, 3/16" Galvanized Cables
- Built-in Safety Handle is Designed to Bend if Recommended Working Load Limit is Exceeded
- Packaged 1 Per Box, with Operating Instructions
- CAUTION: Do Not Use Cable Pullers to Lift People or to Lift Loads Over People

Cat. No.	UPC No.	Draw	Lift Capacity	Pull Capacity	Packaged	Weight Each	Shelf Pack Qty.
6312035	020418162701	10-1/2 ft	1/2 T	1 T	Boxed	8.80 lb	1
6312036	020418162718	6 ft	1 T	2 T	Boxed	9.50 lb	1

Repair and Lap Links



- Connections for Chain and Attachments
- Chain is Inserted, Then Link is Hammered Closed
- Standard Material: Low Carbon Steel
- Standard Finish: Zinc Plated
- Packaging: Order Unit is "Each" or "Bag"; All Bags Are Packaged 10 Per Box
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Finish	Quantity Per Package	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.
1/8 in x 3/4 in	T5950024	020418192807	Zinc Plated	10	Bulk, UPC Tag	125 lb	0.01 lb	10
3/16 in x 1 in	T5800124	020418258510	Zinc Plated	100	Carton	240 lb	0.03 lb	100
3/16 in x 1 in	B5950124	020418156540	Zinc Plated	6	Bulk, UPC Tag	240 lb	0.03 lb	10
3/16 in x 1 in	T5950124	020418192623	Zinc Plated	10	Bulk, UPC Tag	240 lb	0.03 lb	10
1/4 in x 1-1/4 in	5800324	020418081163	Zinc Plated	50	Carton	400 lb	0.07 lb	50
1/4 in x 1-1/4 in	B5950324	020418156557	Zinc Plated	4	Bulk, UPC Tag	400 lb	0.07 lb	10
1/4 in x 1-1/4 in	T5950324	020418192593	Zinc Plated	10	Bulk, UPC Tag	400 lb	0.07 lb	10
5/16 in x 1-1/2 in	5800724	020418081330	Zinc Plated	50	Carton	700 lb	0.10 lb	50
5/16 in x 1-1/2 in	B5950724	020418156571	Zinc Plated	2	Bulk, UPC Tag	700 lb	0.10 lb	10
5/16 in x 1-1/2 in	T5950724	020418192609	Zinc Plated	10	Bulk, UPC Tag	700 lb	0.10 lb	10
3/8 in x 1-5/8 in	5800924	020418081422	Zinc Plated	50	Carton	1250 lb	0.20 lb	-
3/8 in x 1-5/8 in	T5950924	020418192616	Zinc Plated	10	Bulk, UPC Tag	1250 lb	0.20 lb	10
3/8 in x 2 in	5801024	020418081484	Zinc Plated	50	Carton	1250 lb	0.20 lb	-
1/2 in x 2-1/2 in	5801124	020418081521	Zinc Plated	25	Carton	2125 lb	0.53 lb	-

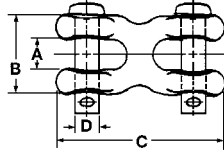
Cold Shuts



- Connections for Chain and Attachments
- When Using Cold Shuts with Chain, Use One Size Larger Than Chain Size
- With A Hammer, Drive the Open End Through the Cold Shut Eye
- Peen the Extended End to Prevent Opening
- Standard Material: Mild Steel
- Standard Finish: Zinc Plated
- Order Unit is "Each"
- Note: Cold Shuts Should Not Be Reused After Closure Has Been Made
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting

Trade Size	Cat. No.	UPC No.	Finish	Inside Length	Inside Width	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.
3/16 in	T4900324	020418180118	Zinc Plated	15/16 in	11/32 in	Bulk, UPC Tag	400 lb	0.02 lb	10
1/4 in	T4900424	020418180125	Zinc Plated	1-3/16 in	3/8 in	Bulk, UPC Tag	800 lb	0.06 lb	10
5/16 in	T4900524	020418201448	Zinc Plated	1-3/8 in	7/16 in	Bulk, UPC Tag	1300 lb	0.10 lb	10
3/8 in	T4900624	020418201455	Zinc Plated	1-1/2 in	5/8 in	Bulk, UPC Tag	1900 lb	0.16 lb	10
1/2 in	T4900824	020418201462	Zinc Plated	1-7/8 in	3/4 in	Bulk, UPC Tag	3700 lb	0.38 lb	10

Double Clevises



- Forged Steel
- For Use with Proof Coil or High Test Chain
- Standard Finish: Zinc Plated
- UPC Tagged
- Order Unit is "Each"
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting

Trade Size	Cat. No.	UPC No.	Finish	A Dim.	B Dim.	C Dim.	D Dim.	Working Load Limit	Weight Each	Shelf Pack Qty.
1/4 in x 5/16 in	T5423300	020418191534	Zinc Plated	7/16 in	1-1/16 in	2-1/2 in	3/8 in	3900 lb	0.36 lb	10
3/8 in	T5423301	020418191541	Zinc Plated	1/2 in	1-5/16 in	2-27/32 in	7/16 in	5400 lb	0.55 lb	10
7/16 in x 1/2 in	T5423302	020418204869	Zinc Plated	5/8 in	1-5/8 in	3-5/8 in	9/16 in	9200 lb	1.04 lb	5

Yellow Chromate Hitch Pins



- Forged Steel
- Standard Finish: Zinc Plate with Yellow Chromate
- Includes Hair Pin Clip
- UPC Tagged
- Order Unit is "Each"

Cat. No.	UPC No.	Pin Diameter	Usable Length	Packaged	Weight Each	Shelf Pack Qty.	Case Pack Qty.
T3899733	020418257421	3/8 in	3 in	Bulk, UPC Tag	0.20 lb	5	40
T3899724	020418257414	1/2 in	4-1/4 in	Bulk, UPC Tag	0.36 lb	5	40
T3899720	020418210952	5/8 in	4 in	Bulk, UPC Tag	0.60 lb	4	40
T3899752	020418210990	5/8 in	6 in	Bulk, UPC Tag	0.80 lb	4	40
T3899728	020418210969	3/4 in	4-1/4 in	Bulk, UPC Tag	1.00 lb	4	40
T3899760	020418211003	3/4 in	6-1/4 in	Bulk, UPC Tag	1.10 lb	4	40
T3899736	020418210976	7/8 in	4-1/4 in	Bulk, UPC Tag	1.20 lb	2	20
T3899768	020418211010	7/8 in	6-1/2 in	Bulk, UPC Tag	1.50 lb	2	20
T3899744	020418210983	1 in	4-1/2 in	Bulk, UPC Tag	1.60 lb	2	20
T3899776	020418211027	1 in	6-3/4 in	Bulk, UPC Tag	2.10 lb	2	20

Red Handle Hitch Pins



- Forged, Heated Treated, Grade 5 Strength
- Pin Has Black Powder Coating with A Red Vinyl Coated Head and Handle with Yellow Zinc Plated Hair Pin Clip
- UPC Tagged
- Order Unit is "Each"

Cat. No.	UPC No.	Pin Diameter	Usable Length	Packaged	Weight Each	Shelf Pack Qty.	Case Pack Qty.
T3898910	020418257490	1/2 in	3-5/8 in	Bulk, UPC Tag	0.49 lb	5	20
T3898954	020418257483	5/8 in	4 in	Bulk, UPC Tag	0.67 lb	5	20
T3898956	020418257476	5/8 in	5-1/2 in	Bulk, UPC Tag	0.79 lb	5	20
T3898934	020418257452	3/4 in	4-1/2 in	Bulk, UPC Tag	1.04 lb	2	10
T3898936	020418257469	3/4 in	6-1/2 in	Bulk, UPC Tag	1.27 lb	2	10
T3898976	020418257445	7/8 in	6-1/2 in	Bulk, UPC Tag	1.74 lb	-	5
T3898917	020418257438	1 in	7-1/2 in	Bulk, UPC Tag	2.38 lb	-	5

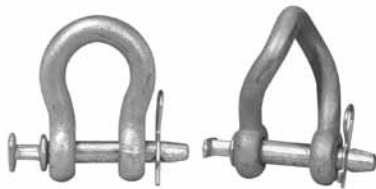
Hitch Pin Clips



- Replacement Clips for Hitch Pins
- Yellow Zinc Plated for Corrosion Resistance
- Order Unit is "Bag"

Trade Size	Cat. No.	UPC No.	Fits Pin Dia. (in.)	Wire Size	I.D. Of Eye	Overall Length	Pieces Per Package	Weight Each	Shelf Pack Qty.
-	3899618	020418070785	-	7/8	-	-	-	0.00 lb	1
1/16 in	B3899816	020418257513	3/8 in	0.077 in	7/16 in	1-3/4 in	10	0.06 lb	10
3/32 in	B3899832	020418257520	3/8 in	0.099 in	1/2 in	2 in	10	0.09 lb	10
1/8 in	B3899818	020418257537	1/2 in	0.11 in	3/4 in	3 in	10	0.15 lb	10
5/32 in	B3899852	020418257544	1/2 in & 5/8 in	0.15 in	3/4 in	3-1/8 in	7	0.23 lb	10
3/16 in	B3899836	020418257551	3/4 in & 7/8 in	0.188 in	1 in	4 in	5	0.34 lb	10
1/4 in	B3899814	020418257568	1 in	0.23 in	1-1/4 in	5 in	2	0.26 lb	10

Straight and Twisted Clevises



- Forged Steel
- Standard Finish: Electro-Galvanized
- T-Handle Pin Included
- UPC Tagged
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting

Cat. No.	UPC No.	Body Type	Finish	Body Diameter	Pin Diameter	Working Load Limit	Weight Each	Shelf Pack Qty.
T3899910	020418211775	Straight, Short	Electro-Galvanized	7/8 in	3/4 in	16000 lb	2.97 lb	5
T3899913	020418211768	Twisted, Short	Electro-Galvanized	7/8 in	3/4 in	16000 lb	2.97 lb	3
T3899916	020418211799	Straight, Long	Electro-Galvanized	7/8 in	3/4 in	16000 lb	3.30 lb	2
T3899919	020418211782	Twisted, Long	Electro-Galvanized	7/8 in	3/4 in	16000 lb	3.30 lb	2

Utility Clevises



- Forged Steel
- Blue Powder Coat Finish
- Design Factor: 5 to 1
- Working Load Limit Marked on Clevis Body
- UPC Tagged
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Style	Finish	Working Load Limit (Short Tons)	Packaged	Weight Each	Shelf Pack Qty.	Case Pack Qty.
1/4 in	T9420405	020418257292	Round Pin	Super Blue	1/2 T	Bulk, UPC Tag	0.10 lb	10	100
5/16 in	T9420505	020418257285	Round Pin	Super Blue	3/4 T	Bulk, UPC Tag	0.17 lb	10	100
3/8 in	T9420605	020418257278	Round Pin	Super Blue	1 T	Bulk, UPC Tag	0.27 lb	10	100
7/16 in	T9420705	020418257254	Round Pin	Super Blue	1-1/2 T	Bulk, UPC Tag	0.38 lb	5	50
1/2 in	T9420805	020418257247	Round Pin	Super Blue	2 T	Bulk, UPC Tag	0.60 lb	5	50
5/8 in	T9421005	020418257261	Round Pin	Super Blue	3-1/4 T	Bulk, UPC Tag	1.17 lb	-	25

Farm Clevises



- Forged Steel
- Blue Powder Coat Finish
- Design Factor: 5 to 1
- Working Load Limit Marked on Clevis Body
- UPC Tagged
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Style	Finish	Working Load Limit (Short Tons)	Packaged	Weight Each	Shelf Pack Qty.	Case Pack Qty.
1/4 in	T9640405	020418257407	Screw Pin	Super Blue	1/2 T	Bulk, UPC Tag	0.10 lb	10	100
5/16 in	T9640505	020418257391	Screw Pin	Super Blue	3/4 T	Bulk, UPC Tag	0.18 lb	10	100
3/8 in	T9640605	020418257384	Screw Pin	Super Blue	1 T	Bulk, UPC Tag	0.30 lb	10	100
7/16 in	T9640705	020418257377	Screw Pin	Super Blue	1-1/2 T	Bulk, UPC Tag	0.40 lb	5	50
1/2 in	T9640805	020418257360	Screw Pin	Super Blue	2 T	Bulk, UPC Tag	0.63 lb	5	50
5/8 in	T9641005	020418257353	Screw Pin	Super Blue	3-1/4 T	Bulk, UPC Tag	1.34 lb	-	25
3/4 in	T9641205	020418257346	Screw Pin	Super Blue	4-3/4 T	Bulk, UPC Tag	2.22 lb	-	15
7/8 in	T9641405	020418257339	Screw Pin	Super Blue	6-1/2 T	Bulk, UPC Tag	3.34 lb	-	10
1 in	T9641605	020418257322	Screw Pin	Super Blue	8-1/2 T	Bulk, UPC Tag	4.93 lb	-	5
1-1/8 in	T9641805	020418257315	Screw Pin	Super Blue	9-1/2 T	Bulk, UPC Tag	6.79 lb	-	5
1-1/4 in	T9642005	020418257308	Screw Pin	Super Blue	12 T	Bulk, UPC Tag	9.93 lb	-	5

Tractor Draw Bar Hook



- Forged, Heat Treated Steel
- Blue Powder Coat Finish on Hook
- Design Factor: 4 to 1
- Can Be Used with 5/16" to 1/2" Grade 30 or Grade 43 Chain
- UPC Tagged
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Hook Style	Finish	Working Load Limit	Weight Each	Case Pack Qty.
1/2 in	T9501805	020418257575	Clevis	Super Blue	9200 lb	3.09 lb	5

Welded Rings



- Made of Low Carbon Steel
- General Attachment for Chain or Rope
- Standard Finish: Bright (Brt) or Zinc Plated (ZP)
- Order Unit is "Each"
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting



Trade Size	Cat. No.	UPC No.	Inside Dia.	Finish	Packed Per Box	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.
3/16 in	6050314	020418083518	1-1/4 in	Bright	25	Carton	200 lb	0.03 lb	25
3/16 in	6050324	020418083532	1-1/4 in	Zinc Plated	25	Carton	200 lb	0.03 lb	25
1/4 in	6050414	020418083556	1-1/2 in	Bright	25	Carton	450 lb	0.08 lb	25
1/4 in	6050424	020418083570	1-1/2 in	Zinc Plated	25	Carton	450 lb	0.08 lb	25
1/4 in	6052414	020418083914	2 in	Bright	25	Carton	350 lb	0.10 lb	25
5/16 in	6050514	020418083600	2 in	Bright	25	Carton	600 lb	0.16 lb	25

Welded Rings Continued

Trade Size	Cat. No.	UPC No.	Inside Dia.	Finish	Packed Per Box	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.
3/8 in	6050614	020418083655	2 in	Bright	25	Carton	900 lb	0.23 lb	25
3/8 in	6050624	020418083679	2 in	Zinc Plated	25	Carton	900 lb	0.20 lb	25
3/8 in	6053614	020418084164	3 in	Bright	25	Carton	700 lb	0.33 lb	-
1/2 in	6052814	020418084027	2-1/2 in	Bright	10	Carton	1400 lb	0.60 lb	10
5/8 in	6051014	020418083747	4 in	Bright	10	Carton	1700 lb	1.45 lb	-

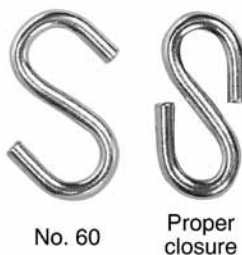
Open Eye Swivels



- Used to Couple Weldless Chain, Prevents Tangling
- Eyes Easily Closed with Hammer
- Standard Finish: Zinc Plated
- Do Not Use for Overhead Lifting or Hoisting

Size No.	Cat. No.	UPC No.	For Chain Size	Finish	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.
1020	T5901024	020418192852	1/0 & 2/0 Inco (Double Loop)	Zinc Plated	Bulk, UPC Tag	100 lb	0.05 lb	10

S Hooks



- For Attaching Accessories to Chain
- After Engaging Chain, Close the "S" Hook to Prevent Disengagement
- Standard Material: Low Carbon Steel
- Standard Finish: Bright (Brt) or Zinc Plated (ZP)
- Packaging: 50 Per Carton or 6 Per Bag (Except #120, 2 Per Bag). 10 Bags Per Carton
- Order Unit is "Each"
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting

Trade Size	Cat. No.	UPC No.	Finish	Wire Size	Inside Length	Pieces Per Package	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.
20	6102024*	020418084836	Zinc Plated	0.08 in	27/32 in	50	Bagged	16 lb	0.004 lb	50
40	6104024	020418084911	Zinc Plated	0.134 in	1 in	50	Boxed	42 lb	0.01 lb	50
40	B5954024	020418154843	Zinc Plated	0.134 in	1 in	6	Bagged	42 lb	0.07 lb	10
60	6106024	020418084980	Zinc Plated	0.187 in	1-13/16 in	50	Boxed	35 lb	0.04 lb	50
60	B5956024	020418154850	Zinc Plated	0.187 in	1-13/16 in	6	Bagged	35 lb	0.20 lb	10
61	6106124	020418085048	Zinc Plated	0.204 in	1-5/8 in	50	Boxed	120 lb	0.04 lb	50
62	6106224	020418085086	Zinc Plated	0.175 in	1-3/8 in	50	Boxed	60 lb	0.03 lb	50
70	6107014	020418085130	Bright	0.219 in	1-13/16 in	50	Boxed	100 lb	0.05 lb	50
72	6107224	020418085215	Zinc Plated	0.225 in	1-1/2 in	50	Boxed	100 lb	0.05 lb	50
80	6108024	020418085284	Zinc Plated	0.250 in	1-25/32 in	50	Boxed	120 lb	0.07 lb	50
80	B5955024	020418156663	Zinc Plated	0.250 in	1-25/32 in	6	Bagged	120 lb	0.42 lb	10
81	6108114	020418085338	Bright	0.250 in	2-1/2 in	50	Boxed	150 lb	0.08 lb	50
84	6108424	020418085444	Zinc Plated	0.250 in	1-25/32 in	50	Boxed	100 lb	0.06 lb	50
100	6101024	020418084737	Zinc Plated	0.312 in	2-1/4 in	50	Boxed	290 lb	0.12 lb	50

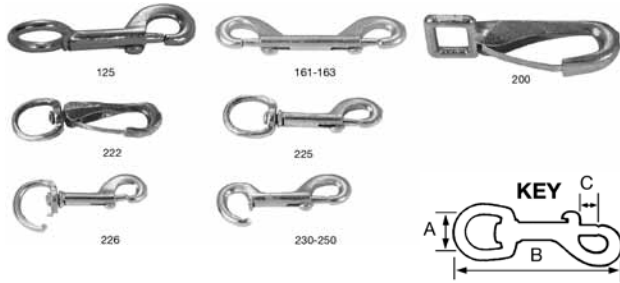
* Packed 50 Pieces per Bag

S Hooks Continued

Trade Size	Cat. No.	UPC No.	Finish	Wire Size	Inside Length	Pieces Per Package	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.
120	6101224	020418084782	Zinc Plated	0.375 in	2-3/8 in	50	Boxed	410 lb	0.20 lb	-
120	B5959024	020418156670	Zinc Plated	0.375 in	2-3/8 in	2	Bagged	410 lb	0.42 lb	10

* Packed 50 Pieces per Bag

Malleable Iron and Steel Snaps

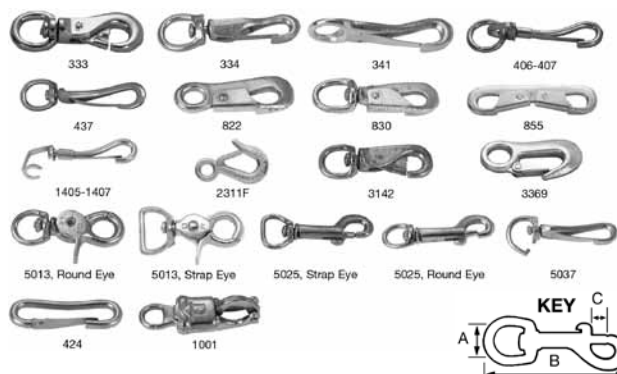


- Typical uses include Tarp Covers, Key Rings, Gate Closures, Flagpoles, and Other Home, Farm, Recreational and Marine Applications
- Also Ideal for Pet Leashes and Tie-Outs
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting

Figure No.	Trade Size	Cat. No.	UPC No.	Style	Finish	Packaged	A Dim.	B Dim.	C Dim.	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
125	5/8 in	T7600311	020418191558	Rigid, Round Eye Bolt Snap	Zinc Plated	Bulk, UPC Tag	5/8 in	5 in	11/32 in	70 lb	0.14 lb	10	100
161	3-1/2 in	T7605501	020418201028	Double Ended Bolt Snap	Zinc Plated	Bulk, UPC Tag	-	3-1/2 in	9/32 in	70 lb	0.10 lb	10	100
162	4-1/8 in	T7605511	020418191671	Double Ended Bolt Snap	Zinc Plated	Bulk, UPC Tag	-	4-1/8 in	13/32 in	70 lb	0.14 lb	10	100
163	4-3/4 in	T7605521	020418191688	Double Ended Bolt Snap	Zinc Plated	Bulk, UPC Tag	-	4-3/4 in	3/8 in	110 lb	0.18 lb	10	100
200	3/4 in	T7600511	020418201004	Rigid, Strap Eye Spring Snap	Zinc Plated	Bulk, UPC Tag	3/4 in	3 in	3/8 in	80 lb	0.08 lb	10	100
200	1 in	T7600531	020418201011	Rigid, Strap Eye Spring Snap	Zinc Plated	Bulk, UPC Tag	1 in	3-1/4 in	7/16 in	90 lb	0.10 lb	10	100
200	1-1/2 in	T7600561	020418192821	Rigid, Strap Eye Spring Snap	Zinc Plated	Bulk, UPC Tag	1-1/2 in	3-13/16 in	1/2 in	80 lb	0.10 lb	10	100
222	3/4 in	T7605701	020418192814	Swiveling, Round Eye Spring Snap	Zinc Plated	Bulk, UPC Tag	3/4 in	3-3/4 in	7/16 in	70 lb	0.12 lb	10	100
225	1/2 in	T7601201	020418191565	Swiveling, Round Eye Bolt Snap	Zinc Plated	Bulk, UPC Tag	1/2 in	4 in	3/8 in	110 lb	0.13 lb	10	100
225	5/8 in	T7605801	020418191695	Swiveling, Round Eye Bolt Snap	Zinc Plated	Bulk, UPC Tag	5/8 in	4 in	3/8 in	110 lb	0.14 lb	10	100
225	3/4 in	T7605811	020418191701	Swiveling, Round Eye Bolt Snap	Zinc Plated	Bulk, UPC Tag	3/4 in	4-1/4 in	3/8 in	100 lb	0.14 lb	10	100
225	1 in	T7605821	020418191718	Swiveling, Round Eye Bolt Snap	Zinc Plated	Bulk, UPC Tag	1 in	4-5/8 in	15/32 in	100 lb	0.20 lb	10	100
226	1 in	T7601311	020418191572	Swiveling, Open Eye Bolt Snap	Zinc Plated	Bulk, UPC Tag	1 in	4-3/4 in	15/32 in	30 lb	0.24 lb	10	100
230	3/8 in	T7606001	020418201035	Rigid, Open Eye Bolt Snap	Zinc Plated	Bulk, UPC Tag	3/8 in	3-3/8 in	11/32 in	40 lb	0.10 lb	10	100
231	3/8 in	T7606011	020418191725	Rigid, Open Eye Bolt Snap	Zinc Plated	Bulk, UPC Tag	3/8 in	3-1/2 in	13/32 in	60 lb	0.12 lb	10	100
232	1/2 in	T7606021	020418191732	Rigid, Open Eye Bolt Snap	Zinc Plated	Bulk, UPC Tag	1/2 in	4 in	7/16 in	60 lb	0.15 lb	10	100
240	1/2 in	T7606031	020418191749	Rigid, Open Eye Bolt Snap	Zinc Plated	Bulk, UPC Tag	1/2 in	4-1/4 in	15/32 in	100 lb	0.23 lb	10	100

Figure No.	Trade Size	Cat. No.	UPC No.	Style	Finish	Packaged	A Dim.	B Dim.	C Dim.	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
245	1/2 in	T7601451	020418191589	Rigid, Open Eye Bolt Snap	Zinc Plated	Bulk, UPC Tag	1/2 in	5-1/4 in	1/2 in	200 lb	0.42 lb	10	50
250	5/8 in	T7601461	020418191596	Rigid, Open Eye Bolt Snap	Zinc Plated	Bulk, UPC Tag	5/8 in	7 in	9/16 in	240 lb	0.64 lb	10	100

Malleable Iron and Steel Snaps



- Typical uses include Tarp Covers, Key Rings, Gate Closures, Flagpoles, and Other Home, Farm, Recreational and Marine Applications
- Also Ideal for Pet Leashes and Tie-Outs
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting

Figure No.	Trade Size	Cat. No.	UPC No.	Style	Finish	Packaged	A Dim.	B Dim.	C Dim.	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
333	7/8 in	T7601801	020418191602	Swiveling, Round Eye Animal Snap	Zinc Plated	Bulk, UPC Tag	7/8 in	5 in	9/16 in	440 lb	0.66 lb	10	50
334	3/8 in	T7601912	020418191619	Swiveling, Round Eye Spring Snap	Nickel Plated	Bulk, UPC Tag	3/8 in	2 in	5/32 in	20 lb	0.02 lb	10	100
334	1/4 in	T7606102	020418201042	Swiveling, Round Eye Spring Snap	Nickel Plated	Bulk, UPC Tag	1/4 in	1-7/8 in	5/32 in	20 lb	0.02 lb	10	100
341	3/8 in	T7602301	020418192630	Rigid, Round Eye Spring Snap	Zinc Plated	Bulk, UPC Tag	3/8 in	2 in	5/32 in	30 lb	0.03 lb	10	100
407	3/4 in	T7606301	020418201059	Swiveling, Round Eye Spring Snap	Zinc Plated	Bulk, UPC Tag	3/4 in	4-1/8 in	9/32 in	80 lb	0.10 lb	10	100
424	2-1/2 in	T7602611	020418191626	Breaching Snap	Zinc Plated	Bulk, UPC Tag	-	2-1/2 in	9/32 in	80 lb	0.06 lb	10	100
437	3/8 in	T7606502	020418191756	Swiveling, Round Eye Spring Snap	Nickel Plated	Bulk, UPC Tag	3/8 in	2-1/2 in	7/32 in	30 lb	0.04 lb	10	100
822	5/8 in	T7603211	020418204555	Rigid, Round Eye Cap Snap	Zinc Plated	Bulk, UPC Tag	5/8 in	5 in	9/16 in	320 lb	0.32 lb	10	100
830	1 in	T7603441	020418191640	Swiveling, Round Eye Cap Snap	Zinc Plated	Bulk, UPC Tag	1 in	4-1/2 in	7/16 in	190 lb	0.22 lb	10	100
830	3/4 in	T7606801	020418201066	Swiveling, Round Eye Cap Snap	Zinc Plated	Bulk, UPC Tag	3/4 in	3-1/2 in	11/32 in	100 lb	0.13 lb	10	100
855	5-1/4 in	T7603911	020418193712	Double Ended Cap Snap	Zinc Plated	Bulk, UPC Tag	-	5-1/4 in	7/16 in	250 lb	0.26 lb	10	100
1001	1/2 in	T7604002	020418191657	Rigid, Round Eye Panic Snap	Zinc Plated	Bulk, UPC Tag	1/2 in	4 in	-	140 lb	0.31 lb	10	100
1405	2-7/8 in	T7607306	020418192838	Swiveling, Open Eye Spring Snap	Zinc Plated	Bulk, UPC Tag	-	2-7/8 in	1/4 in	30 lb	0.06 lb	10	10
1407	3-3/4 in	T7607301	020418201073	Swiveling, Open Eye Spring Snap	Zinc Plated	Bulk, UPC Tag	-	3-3/4 in	5/16 in	60 lb	0.06 lb	10	100
2311F	3/4 in	T7620934	020418238130	Latched, Snap Hook	Zinc Plated	Bulk, UPC Tag	3/4 in	4 in	7/8 in	750 lb	0.33 lb	10	100

Malleable Iron and Steel Snaps Continued

Figure No.	Trade Size	Cat. No.	UPC No.	Style	Finish	Packaged	A Dim.	B Dim.	C Dim.	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
3142	7/8 in	T7607401	020418191763	Swiveling, Round Eye Animal Snap	Zinc Plated	Bulk, UPC Tag	7/8 in	4-7/8 in	7/8 in	300 lb	0.44 lb	10	100
3369	5/8 in	T7620794	020418204609	Rigid, Fixed Eye Hook	Zinc Plated	Bulk, UPC Tag	5/8 in	3-5/8 in	9/16 in	1000 lb	0.33 lb	10	100
5013	5/8 in	T7604622	020418191664	Swiveling, Strap Eye Trigger Snap	Nickel Plated	Bulk, UPC Tag	5/8 in	2-1/2 in	3/8 in	70 lb	0.09 lb	10	100
5013	3/8 in	T7607502	020418191770	Swiveling, Round Eye Trigger Snap	Nickel Plated	Bulk, UPC Tag	3/8 in	2-1/2 in	3/8 in	70 lb	0.09 lb	10	100
5025	3/8 in	T7607602	020418191787	Swiveling, Round Eye Bolt Snap	Nickel Plated	Bulk, UPC Tag	3/8 in	2-7/8 in	5/16 in	60 lb	0.07 lb	10	100
5037	3/8 in	T7607702	020418201080	Swiveling, Open Eye Spring Snap	Nickel Plated	Bulk, UPC Tag	3/8 in	2-1/2 in	7/32 in	30 lb	0.04 lb	10	100

Die Cast Zinc Snaps



- Typical uses include Tarp Covers, Key Rings, Gate Closures, Flagpoles, and Other Home, Farm, Recreational and Marine Applications
- Also Ideal for Pet Leashes and Tie-Outs
- Zinc Die Cast Construction
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting

Figure No.	Trade Size	Cat. No.	UPC No.	Style	Finish	Packaged	A Dim.	B Dim.	C Dim.	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
017Z	1 in	T7610102	020418201097	Swiveling, Strap Eye Bolt Snap	Nickel Plated	Bulk, UPC Tag	1 in	3-3/16 in	3/8 in	80 lb	0.10 lb	10	100
25Z	1 in	T7615102	020418191794	Rigid, Strap Eye Bolt Snap	Nickel Plated	Bulk, UPC Tag	1 in	3-1/16 in	3/8 in	40 lb	0.09 lb	10	100
125Z	5/8 in	T7615202	020418201127	Rigid, Round Eye Bolt Snap	Nickel Plated	Bulk, UPC Tag	5/8 in	3-3/8 in	3/8 in	90 lb	0.08 lb	10	100
162Z	-	T7615302	020418201134	Double Ended Bolt Snap	Nickel Plated	Bulk, UPC Tag	-	4 in	3/8 in	60 lb	0.11 lb	10	100
163Z	-	T7615312	020418191800	Double Ended Bolt Snap	Nickel Plated	Bulk, UPC Tag	-	4-5/8 in	7/16 in	70 lb	0.15 lb	10	100
225Z	1 in	T7615422	020418201165	Swiveling, Round Eye Bolt Snap	Nickel Plated	Bulk, UPC Tag	1 in	4-1/4 in	1/2 in	90 lb	0.17 lb	10	100
225Z	3/4 in	T7615412	020418201158	Swiveling, Round Eye Bolt Snap	Nickel Plated	Bulk, UPC Tag	3/4 in	3-11/16 in	3/8 in	70 lb	0.11 lb	10	100
225Z	5/8 in	T7615402	020418201141	Swiveling, Round Eye Bolt Snap	Nickel Plated	Bulk, UPC Tag	5/8 in	3-1/2 in	3/8 in	80 lb	0.10 lb	10	100
225Z	1/2 in	T7615012	020418201110	Swiveling, Round Eye Bolt Snap	Nickel Plated	Bulk, UPC Tag	1/2 in	3-1/2 in	3/8 in	90 lb	0.09 lb	10	100
251Z	5/8 in	T7615502	020418191817	Swiveling, Round Eye Quick Snap	Nickel Plated	Bulk, UPC Tag	5/8 in	3-3/8 in	5/8 in	80 lb	0.13 lb	10	100
251Z	1 in	T7610832	020418201103	Swiveling, Round Eye Quick Snap	Nickel Plated	Bulk, UPC Tag	1 in	3-13/16 in	5/8 in	70 lb	0.14 lb	10	100

Figure No.	Trade Size	Cat. No.	UPC No.	Style	Finish	Pack- aged	A Dim.	B Dim.	C Dim.	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
334Z	1/4 in	T7615602	020418191824	Swiveling, Round Eye Spring Snap	Nickel Plated	Bulk, UPC Tag	1/4 in	2 in	7/32 in	20 lb	0.02 lb	10	100
435Z	5/8 in	T7615802	020418201172	Swiveling, Strap Eye Spring Snap	Nickel Plated	Bulk, UPC Tag	5/8 in	2-5/8 in	9/32 in	30 lb	0.04 lb	10	100
437Z	3/8 in	T7615902	020418201189	Swiveling, Round Eye Spring Snap	Nickel Plated	Bulk, UPC Tag	3/8 in	2-9/16 in	9/32 in	30 lb	0.02 lb	10	100
3142Z	7/8 in	T7616302	020418191848	Swiveling, Round Eye Animal Snap	Nickel Plated	Bulk, UPC Tag	7/8 in	4-13/16 in	7/8 in	150 lb	0.35 lb	10	100
5013Z	3/8 in	T7616402	020418193538	Swiveling, Round Eye Trigger Snap	Nickel Plated	Bulk, UPC Tag	3/8 in	2-7/16 in	3/8 in	30 lb	0.09 lb	10	100
5013Z	1/2 in	T7616412	020418179723	Swiveling, Round Eye Trigger Snap	Nickel Plated	Bulk, UPC Tag	1/2 in	2-11/16 in	3/8 in	40 lb	0.08 lb	10	100
5015Z	3/4 in	T7616602	020418191855	Swiveling, Round Eye Trigger Snap	Nickel Plated	Bulk, UPC Tag	3/4 in	4 in	9/16 in	90 lb	0.15 lb	10	100
5025Z	3/8 in	T7616702	020418201196	Swiveling, Round Eye Bolt Snap	Nickel Plated	Bulk, UPC Tag	3/8 in	2-11/16 in	5/16 in	50 lb	0.06 lb	10	100

Solid Bronze Snaps



- Typical uses include Tarp Covers, Key Rings, Gate Closures, Flagpoles, and Other Home, Farm, Recreational and Marine Applications
- Also Ideal for Pet Leashes and Tie-Outs
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting

Figure No.	Trade Size	Cat. No.	UPC No.	Style	Finish	Packaged	A Dim.	B Dim.	C Dim.	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
161B	-	T7625004	020418201226	Double Ended Bolt Snap	Polished	Bulk, UPC Tag	-	3-13/32 in	5/16 in	60 lb	0.10 lb	10	100
163B	-	T7625014	020418201233	Double Ended Bolt Snap	Polished	Bulk, UPC Tag	-	4-1/2 in	13/32 in	100 lb	0.18 lb	10	100
225B	1-1/4 in	T7620334	020418191862	Swiveling, Round Eye Bolt Snap	Polished	Bulk, UPC Tag	1-1/4 in	4-3/4 in	19/32 in	120 lb	0.30 lb	10	100
225B	5/8 in	T7625104	020418191886	Swiveling, Round Eye Bolt Snap	Polished	Bulk, UPC Tag	5/8 in	3-1/8 in	3/8 in	70 lb	0.12 lb	10	100
225B	3/4 in	T7625114	020418179785	Swiveling, Round Eye Bolt Snap	Polished	Bulk, UPC Tag	3/4 in	3-5/32 in	3/8 in	70 lb	0.12 lb	10	100
225B	1 in	T7625124	020418191893	Swiveling, Round Eye Bolt Snap	Polished	Bulk, UPC Tag	1 in	3-17/32 in	3/8 in	90 lb	0.10 lb	10	100
231B	3/8 in	T7625204	020418179792	Rigid, Open Eye Bolt Snap	Polished	Bulk, UPC Tag	3/8 in	3-13/32 in	3/8 in	70 lb	0.15 lb	10	100
249B	3/4 in	T7620534	020418201202	Rigid, Round Eye Quick Snap	Polished	Bulk, UPC Tag	3/4 in	3-15/64 in	9/16 in	140 lb	0.28 lb	10	100
249B	3/8 in	T7625304	020418201240	Rigid, Round Eye Quick Snap	Polished	Bulk, UPC Tag	3/8 in	2-5/32 in	9/32 in	60 lb	0.07 lb	10	100
249B	5/8 in	T7625314	020418201257	Rigid, Round Eye Quick Snap	Polished	Bulk, UPC Tag	5/8 in	2-7/8 in	3/4 in	70 lb	0.10 lb	10	100

Solid Bronze Snaps Continued

Figure No.	Trade Size	Cat. No.	UPC No.	Style	Finish	Packaged	A Dim.	B Dim.	C Dim.	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
249B	11/16 in	T7625324	020418193743	Rigid, Round Eye Quick Snap	Polished	Bulk, UPC Tag	11/16 in	3-29/32 in	19/32 in	100 lb	0.18 lb	10	100
251B	11/16 in	T7620614	020418201219	Swiveling, Round Eye Quick Snap	Polished	Bulk, UPC Tag	11/16 in	3-11/16 in	7/16 in	60 lb	0.02 lb	10	100
251B	5/8 in	T7625404	020418201264	Swiveling, Round Eye Quick Snap	Polished	Bulk, UPC Tag	5/8 in	3-5/16 in	5/16 in	60 lb	0.10 lb	10	100
251B	3/4 in	T7625434	020418201271	Swiveling, Round Eye Quick Snap	Polished	Bulk, UPC Tag	3/4 in	4-1/2 in	9/16 in	140 lb	0.30 lb	10	100
2311B	3/4 in	T7620804	020418191879	Latched, Snap Hook	Polished	Bulk, UPC Tag	3/4 in	4-1/16 in	5/8 in	140 lb	0.29 lb	10	100
5013B	1/2 in	T7625504	020418191909	Swiveling, Round Eye Trigger Snap	Polished	Bulk, UPC Tag	1/2 in	2-15/32 in	7/16 in	40 lb	0.09 lb	10	100
5025B	3/8 in	T7625604	020418191916	Swiveling, Round Eye Bolt Snap	Polished	Bulk, UPC Tag	3/8 in	2-9/32 in	1/4 in	80 lb	0.08 lb	10	100
5025B	1/2 in	T7625614	020418191923	Swiveling, Round Eye Bolt Snap	Polished	Bulk, UPC Tag	1/2 in	2-15/16 in	1/4 in	40 lb	0.05 lb	10	100

Stainless Steel Snaps



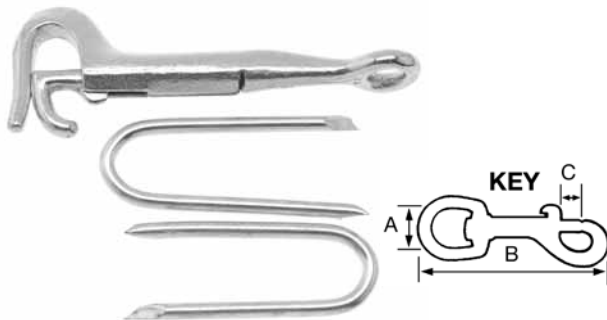
- Typical uses include Tarp Covers, Key Rings, Gate Closures, Flagpoles, and Other Home, Farm, Recreational and Marine Applications
- Also Ideal for Pet Leashes and Tie-Outs
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting

Figure No.	Trade Size	Cat. No.	UPC No.	Style	Finish	Packaged	A Dim.	B Dim.	C Dim.	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
162S	-	T7631204	020418201332	Double Ended Bolt Snap	Polished	Bulk, UPC Tag	-	4 in	3/8 in	130 lb	0.14 lb	10	100
225S	1/2 in	T7631304	020418179907	Swiveling, Round Eye Bolt Snap	Polished	Bulk, UPC Tag	1/2 in	3-5/16 in	3/8 in	170 lb	0.10 lb	10	100
225S	3/4 in	T7631324	020418201349	Swiveling, Round Eye Bolt Snap	Polished	Bulk, UPC Tag	3/4 in	3-3/32 in	3/8 in	180 lb	0.11 lb	10	100
249S	3/8 in	T7631404	020418204647	Rigid, Round Eye Quick Snap	Polished	Bulk, UPC Tag	3/8 in	2-5/32 in	9/32 in	90 lb	0.04 lb	10	100
249S	5/8 in	T7631414	020418201356	Rigid, Round Eye Quick Snap	Polished	Bulk, UPC Tag	5/8 in	2-7/8 in	3/8 in	160 lb	0.11 lb	10	100
249S	3/4 in	T7631434	020418201363	Rigid, Round Eye Quick Snap	Polished	Bulk, UPC Tag	3/4 in	3-29/32 in	9/16 in	190 lb	0.24 lb	10	100
251S	11/16 in	T7631524	020418193514	Swiveling, Round Eye Quick Snap	Polished	Bulk, UPC Tag	11/16 in	3-11/16 in	7/16 in	220 lb	0.20 lb	10	100
251S	3/4 in	T7631534	020418201370	Swiveling, Round Eye Quick Snap	Polished	Bulk, UPC Tag	3/4 in	4-1/2 in	9/16 in	200 lb	0.31 lb	10	100
2311S	3/4 in	T7631604	020418201387	Latched, Snap Hook	Polished	Bulk, UPC Tag	3/4 in	4-1/16 in	5/8 in	400 lb	0.23 lb	10	100

Stainless Steel Snaps Continued

Figure No.	Trade Size	Cat. No.	UPC No.	Style	Finish	Packaged	A Dim.	B Dim.	C Dim.	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
2311S	1-1/8 in	T7631614	020418201394	Latched, Snap Hook	Polished	Bulk, UPC Tag	1-1/8 in	4-21/32 in	23/32 in	400 lb	0.34 lb	10	50
5013S	1/2 in	T7631704	020418201400	Swiveling, Round Eye Trigger Snap	Polished	Bulk, UPC Tag	1/2 in	2-15/32 in	7/16 in	80 lb	0.10 lb	10	100
5025S	1/2 in	T7631804	020418179983	Swiveling, Round Eye Bolt Snap	Polished	Bulk, UPC Tag	1/2 in	2-15/16 in	1/4 in	50 lb	0.08 lb	10	100

Gate Hook



- Gate Hook, Reverse Eye, with Steel Staples (2)
- Packaged in Retail Polybag

Figure No.	Trade Size	Cat. No.	UPC No.	Finish	Packaged	A Dim.	B Dim.	C Dim.	Weight Each	Shelf Pack Qty.	Case Pack Qty.
444	3/8 in	B7606601	020418156724	Zinc Plated	Bagged	3/8 in	4 in	1/4 in	0.16 lb	10	100

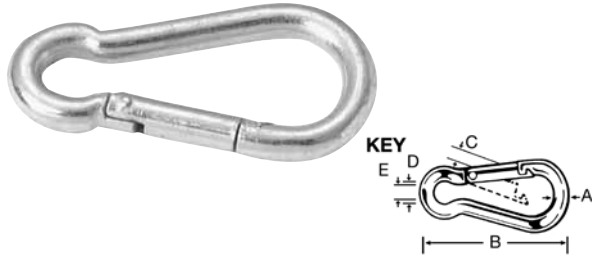
Double End Swivels



- Used for Connecting Chain or Rope
- Swivel Feature Allows for Less Kinking or Tangling of Chain
- Zinc Die Cast Construction
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting

Figure No.	Trade Size	Cat. No.	UPC No.	Finish	Eye Size	Length	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
2225Z	5/8 in	T7640302	020418191930	Nickel Plated	5/8	2-11/16 in	Bulk, UPC Tag	90 lb	0.08 lb	10	100
2225Z	3/4 in	T7616202	020418191831	Nickel Plated	3/4	3 in	Bulk, UPC Tag	100 lb	0.08 lb	10	100
2225Z	1 in	T7640322	020418191947	Nickel Plated	1	3-9/16 in	Bulk, UPC Tag	100 lb	0.18 lb	10	100

Spring Snap Links

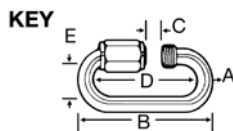


- Ideal for Hanging Keys and Other Utility Items From Belt
- Fast and Easy to Connect and Disconnect
- Standard Material: Carbon Steel
- Standard Finish: Zinc Plated
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting
- Do Not Use to Support Human Weight, for Playground or Athletic Equipment, or as a Safety Device

Figure No.	Trade Size	Cat. No.	UPC No.	Finish	Mat. Dia. (A)	Length (B)	Opening (C)	Eye Dia. (D)	Inside Width (E)	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
2450	1/4 in	T7645006*	020418201585	Zinc Plated	0.19 in	1.93 in	0.26 in	0.32 in	0.26 in	Bulk, UPC Tag	80 lb	0.03 lb	10	100
2450	1/4 in	T7645006V	020418269837	Zinc Plated	0.19 in	2.03 in	0.27 in	0.34 in	0.21 in	Bulk, UPC Tag	80 lb	0.03 lb	10	100
2450	5/16 in	T7645016*	020418201592	Zinc Plated	0.23 in	2.40 in	0.29 in	0.37 in	0.31 in	Bulk, UPC Tag	130 lb	0.05 lb	10	100
2450	5/16 in	T7645016V	020418269868	Zinc Plated	0.23 in	2.40 in	0.28 in	0.34 in	0.23 in	Bulk, UPC Tag	130 lb	0.05 lb	10	100
2450	3/8 in	T7645026*	020418201608	Zinc Plated	0.27 in	2.76 in	0.39 in	0.44 in	0.39 in	Bulk, UPC Tag	160 lb	0.10 lb	10	100
2450	3/8 in	T7645026V	020418269776	Zinc Plated	0.27 in	2.74 in	0.35 in	0.43 in	0.33 in	Bulk, UPC Tag	160 lb	0.10 lb	10	100
2450	7/16 in	T7645036*	020418201615	Zinc Plated	0.31 in	3.17 in	0.42 in	0.51 in	0.41 in	Bulk, UPC Tag	200 lb	0.15 lb	10	100
2450	7/16 in	T7645036V	020418269844	Zinc Plated	0.31 in	3.22 in	0.46 in	0.48 in	0.30 in	Bulk, UPC Tag	200 lb	0.15 lb	10	100
2450	1/2 in	T7645046*	020418201622	Zinc Plated	0.35 in	3.60 in	0.47 in	0.56 in	0.40 in	Bulk, UPC Tag	230 lb	0.20 lb	10	100
2450	1/2 in	T7645046V	020418269790	Zinc Plated	0.35 in	3.53 in	0.46 in	0.56 in	0.40 in	Bulk, UPC Tag	230 lb	0.20 lb	10	100
2450	5/8 in	T7645066*	020418201639	Zinc Plated	0.39 in	4.01 in	0.55 in	0.65 in	0.49 in	Bulk, UPC Tag	280 lb	0.28 lb	10	100
2450	5/8 in	T7645066V	020418269899	Zinc Plated	0.38 in	3.92 in	0.50 in	0.61 in	0.41 in	Bulk, UPC Tag	280 lb	0.28 lb	10	100
2450	3/4 in	T7645068*	020418191954	Zinc Plated	0.42 in	4.80 in	0.64 in	0.71 in	0.47 in	Bulk, UPC Tag	350 lb	0.30 lb	10	50
2450	3/4 in	T7645068V	020418269851	Zinc Plated	0.42 in	4.76 in	0.64 in	0.76 in	0.47 in	Bulk, UPC Tag	350 lb	0.30 lb	10	50
2450	1 in	T7645074*	020418204777	Zinc Plated	0.46 in	5.48 in	0.87 in	0.72 in	0.50 in	Bulk, UPC Tag	400 lb	0.59 lb	10	50
2450	1 in	T7645074V	020418269882	Zinc Plated	0.47 in	5.60 in	0.82 in	0.88 in	0.50 in	Bulk, UPC Tag	400 lb	0.59 lb	10	50

* Will be discontinued, transitioning to "V" part numbers

Quick Links

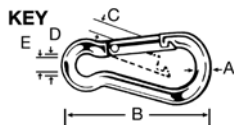


- For Fast and Easy Connections Between Two Lengths of Chain
- Standard Material: Carbon Steel
- Standard Finish: Zinc Plated
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting
- Do Not Use to Support Human Weight, for Playground or Athletic Equipment, or as a Safety Device

Figure No.	Trade Size	Cat. No.	UPC No.	Finish	Mat. Dia. (A)	Length (B)	Opening (C)	Inside Length (D)	Inside Width (E)	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
7350	1/8 in	T7645106*	020418201646	Zinc Plated	0.13 in	1.40 in	0.20 in	1.16 in	0.40 in	Bulk, UPC Tag	220 lb	0.02 lb	10	100
7350	1/8 in	T7645106V	020418269806	Zinc Plated	0.13 in	1.40 in	0.20 in	1.16 in	0.40 in	Bulk, UPC Tag	220 lb	0.02 lb	10	100
7350	3/16 in	T7645116*	020418201653	Zinc Plated	0.20 in	1.85 in	0.29 in	1.60 in	0.53 in	Bulk, UPC Tag	660 lb	0.05 lb	10	100
7350	3/16 in	T7645116V	020418269875	Zinc Plated	0.20 in	1.85 in	0.29 in	1.60 in	0.53 in	Bulk, UPC Tag	660 lb	0.05 lb	10	100
7350	1/4 in	T7645126*	020418180354	Zinc Plated	0.24 in	2.31 in	0.34 in	1.85 in	0.58 in	Bulk, UPC Tag	880 lb	0.08 lb	10	100
7350	1/4 in	T7645126V	020418269813	Zinc Plated	0.24 in	2.31 in	0.34 in	1.85 in	0.58 in	Bulk, UPC Tag	880 lb	0.08 lb	10	100
7350	5/16 in	T7645136*	020418201660	Zinc Plated	0.31 in	2.92 in	0.41 in	2.31 in	0.74 in	Bulk, UPC Tag	1760 lb	0.15 lb	10	100
7350	5/16 in	T7645136V	020418269783	Zinc Plated	0.31 in	2.92 in	0.41 in	2.31 in	0.74 in	Bulk, UPC Tag	1760 lb	0.15 lb	10	100
7350	3/8 in	T7645146*	020418201677	Zinc Plated	0.35 in	3.21 in	0.45 in	2.53 in	0.81 in	Bulk, UPC Tag	2200 lb	0.24 lb	10	100
7350	3/8 in	T7645146V	020418269820	Zinc Plated	0.35 in	3.21 in	0.45 in	2.53 in	0.81 in	Bulk, UPC Tag	2200 lb	0.24 lb	10	100
7350	1/2 in	T7645156*	020418201684	Zinc Plated	0.47 in	4.17 in	0.57 in	3.27 in	0.94 in	Bulk, UPC Tag	3300 lb	0.50 lb	10	50
7350	1/2 in	T7645156V	020418269905	Zinc Plated	0.47 in	4.17 in	0.57 in	3.27 in	0.94 in	Bulk, UPC Tag	3300 lb	0.50 lb	10	50

* Will be discontinued, transitioning to "V" part numbers

Stainless Steel Spring Snap Links



- Ideal for Hanging Keys and Other Utility Items From Belt
- Fast and Easy to Connect and Disconnect
- Standard Material: Stainless Steel
- Standard Finish: Polished
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting
- Do Not Use to Support Human Weight, for Playground or Athletic Equipment, or as a Safety Device

Figure No.	Trade Size	Cat. No.	UPC No.	Finish	Mat. Dia. (A)	Length (B)	Opening (C)	Eye Dia. (D)	Inside Width (E)	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
2450	1/4 in	T7630406	020418193415	Polished	0.226 in	2.38 in	0.34 in	0.37 in	0.29 in	Bulk, UPC Tag	160 lb	0.06 lb	10	100
2450	5/16 in	T7630416	020418193422	Polished	0.305 in	3.15 in	0.45 in	0.51 in	0.40 in	Bulk, UPC Tag	200 lb	0.14 lb	10	100

Stainless Steel Spring Snap Links Continued

Figure No.	Trade Size	Cat. No.	UPC No.	Finish	Mat. Dia. (A)	Length (B)	Opening (C)	Eye Dia. (D)	Inside Width (E)	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
2450	3/8 in	T7630426	020418193439	Polished	0.340 in	3.54 in	0.45 in	0.57 in	0.45 in	Bulk, UPC Tag	260 lb	0.20 lb	10	100
2450	7/16 in	T7630436	020418193446	Polished	0.385 in	3.94 in	0.51 in	0.66 in	0.46 in	Bulk, UPC Tag	320 lb	0.28 lb	10	100
2450	1/2 in	T7630446	020418193453	Polished	0.420 in	4.69 in	0.66 in	0.75 in	0.60 in	Bulk, UPC Tag	450 lb	0.42 lb	10	50

Stainless Steel Quick Links



- For Fast and Easy Connections Between Two Lengths of Chain
- Standard Material: Stainless Steel
- Standard Finish: Polished
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting
- Do Not Use to Support Human Weight, for Playground or Athletic Equipment, or as a Safety Device

Figure No.	Trade Size	Cat. No.	UPC No.	Finish	Mat. Dia. (A)	Length (B)	Opening (C)	Inside Length (D)	Inside Width (E)	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
7350	1/8 in	T7630506	020418193460	Polished	0.137 in	1.45 in	0.19 in	1.18 in	0.41 in	Bulk, UPC Tag	220 lb	0.02 lb	10	100
7350	3/16 in	T7630526	020418193477	Polished	0.195 in	1.94 in	0.24 in	1.56 in	0.53 in	Bulk, UPC Tag	660 lb	0.04 lb	10	100
7350	1/4 in	T7630536	020418193484	Polished	0.230 in	2.28 in	0.30 in	1.83 in	0.60 in	Bulk, UPC Tag	880 lb	0.08 lb	10	100
7350	5/16 in	T7630546	020418193491	Polished	0.310 in	2.93 in	0.38 in	2.34 in	0.73 in	Bulk, UPC Tag	1540 lb	0.18 lb	10	100
7350	3/8 in	T7630556	020418193507	Polished	0.350 in	3.24 in	0.39 in	2.56 in	0.78 in	Bulk, UPC Tag	1540 lb	0.24 lb	10	100

Aluminum Spring Snap Link



- Aluminum Spring Snap
- Shipped in Assorted Colors
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting
- Do Not Use to Support Human Weight, for Playground or Athletic Equipment, or as a Safety Device

Trade Size	Cat. No.	UPC No.	Finish	Opening	Inside Length	Inside Width	Overall Length	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
5/16 in	T7645000	020418206092	Various	0.50 in	2.50 in	1.125 in	3.125 in	Bulk, UPC Tag	75 lb	0.05 lb	10	100

Die Cast Zinc Pulleys



- Features One Piece Cast Construction and Triple Copper/Nickel Plating
- Solid Brass or Brass Plated Sheaves
- For Rope Applications in Awnings, Flagpoles and Other Light Duty Applications
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting
- Do Not Use to Support Human Weight, for Playground or Athletic Equipment, or as a Safety Device

Figure No.	Trade Size	Cat. No.	UPC No.	Style	Finish	Rope Size	Sheave Size - OD	Eye Size	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
0173	1/2 in	T7655052	020418191978	Swivel Eye, Single Sheave	Nickel Plated	3/16	1/2 in	5/16 in	Bulk, UPC Tag	25 lb	0.06 lb	10	100
0174	1/2 in	T7655062	020418191985	Rigid Eye, Single Sheave	Nickel Plated	3/16	1/2 in	3/16 in	Bulk, UPC Tag	30 lb	0.05 lb	10	100
0173	3/4 in	T7655002	020418179990	Swivel Eye, Single Sheave	Nickel Plated	1/4 in	3/4 in	5/16 in	Bulk, UPC Tag	25 lb	0.05 lb	10	100
0174	3/4 in	T7655100	020418201417	Rigid Eye, Single Sheave	Nickel Plated	1/4 in	3/4 in	3/16 in	Bulk, UPC Tag	30 lb	0.06 lb	10	100
0176	3/4 in	T7655202	020418201424	Rigid Eye, Double Sheave	Nickel Plated	1/4 in	3/4 in	3/16 in	Bulk, UPC Tag	40 lb	0.10 lb	10	100
0173	1 in	T7655012	020418180002	Swivel Eye, Single Sheave	Nickel Plated	5/16 in	1 in	5/16 in	Bulk, UPC Tag	30 lb	0.13 lb	10	100
0174	1 in	T7655112	020418180040	Rigid Eye, Single Sheave	Nickel Plated	5/16 in	1 in	7/32 in	Bulk, UPC Tag	55 lb	0.12 lb	10	100
0176	1 in	T7655212	020418201431	Rigid Eye, Double Sheave	Nickel Plated	5/16 in	1 in	7/32 in	Bulk, UPC Tag	55 lb	0.20 lb	10	100
0178	1 in	T7655312	020418180101	Swivel Eye, Double Sheave	Nickel Plated	5/16 in	1 in	5/16 in	Bulk, UPC Tag	25 lb	0.24 lb	10	100
0173	1-1/4 in	T7655022	020418180019	Swivel Eye, Single Sheave	Nickel Plated	3/8 in	1-1/4 in	5/8 in	Bulk, UPC Tag	50 lb	0.30 lb	10	100
0174	1-1/4 in	T7655120	020418180057	Rigid Eye, Single Sheave	Nickel Plated	3/8 in	1-1/4 in	3/8 in	Bulk, UPC Tag	110 lb	0.28 lb	10	100
0173	1-1/2 in	T7655032	020418191961	Swivel Eye, Single Sheave	Nickel Plated	3/8 in	1-1/2 in	5/8 in	Bulk, UPC Tag	50 lb	0.30 lb	10	50
0174	1-1/2 in	T7655132	020418191992	Rigid Eye, Single Sheave	Nickel Plated	3/8 in	1-1/2 in	3/8 in	Bulk, UPC Tag	110 lb	0.27 lb	10	50
0176	1-1/2 in	T7655222	020418192005	Rigid Eye, Double Sheave	Nickel Plated	3/8 in	1-1/2 in	3/8 in	Bulk, UPC Tag	90 lb	0.44 lb	10	50
0173	2 in	T7655042	020418180026	Swivel Eye, Single Sheave	Nickel Plated	1/2 in	2 in	5/8 in	Bulk, UPC Tag	55 lb	0.47 lb	10	50
0174	2 in	T7655142	020418180064	Rigid Eye, Single Sheave	Nickel Plated	1/2 in	2 in	15/32 in	Bulk, UPC Tag	125 lb	0.50 lb	10	50

Heavy Duty Steel Pulleys



- Steel Body and Die-Cast Zinc Sheave
- Zinc Plated to Protect Against Rust and Corrosion
- Powder Metal Bushing to Extend Pulley Life and Provide Smooth Operation
- For Rope Up to 3/8" or 1/2" As Noted
- Working Load Limit Stamped on Pulley Body
- For Indoor or Outdoor Use
- Mount Wall and Ceiling Pulleys with 4D or 6D Nails or #4 X 3/4" Screws
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting

Trade Size	Cat. No.	UPC No.	Style	Finish	Rope Size	Sheave Size - OD	Packaged	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
1-1/2 in	T7550301	020418193361	Swivel Eye, Single Sheave	Zinc Plated	3/8 in	1-1/2 in	Bulk, UPC Tag	420 lb	0.32 lb	5	50
1-1/2 in	T7550401	020418193392	Fixed Eye, Single Sheave	Zinc Plated	3/8 in	1-1/2 in	Bulk, UPC Tag	420 lb	0.18 lb	5	50
1-1/2 in	T7550421	020418193385	Fixed Eye, Double Sheave	Zinc Plated	3/8 in	1-1/2 in	Bulk, UPC Tag	400 lb	0.30 lb	5	50
1-1/2 in	T7550501	020418300028	Wall/Ceil Mount, Single Sheave	Zinc Plated	3/8 in	1-1/2 in	Bulk, UPC Tag	100 lb	0.33 lb	5	50
2 in	T7550302	020418193378	Swivel Eye, Single Sheave	Zinc Plated	3/8 in	2 in	Bulk, UPC Tag	480 lb	0.22 lb	5	50
2 in	T7550402	020418193408	Fixed Eye, Single Sheave	Zinc Plated	3/8 in	2 in	Bulk, UPC Tag	480 lb	0.26 lb	5	50
2 in	T7550502	020418300011	Wall/Ceil Mount, Single Sheave	Zinc Plated	3/8 in	2 in	Bulk, UPC Tag	100 lb	0.46 lb	5	50
2 in	T7551522	020418300004	Joist Mount, Single Sheave	Zinc Plated	3/8 in	2 in	Bulk, UPC Tag	100 lb	0.45 lb	5	50
2-1/2 in	T7550303	020418206085	Swivel Eye, Single Sheave	Zinc Plated	3/8 in	2-1/2 in	Bulk, UPC Tag	550 lb	0.62 lb	5	25
2-1/2 in	T7550403	020418300035	Fixed Eye, Single Sheave	Zinc Plated	3/8 in	2-1/2 in	Bulk, UPC Tag	550 lb	0.70 lb	5	25
3 in	T7550304	020418300059	Swivel Eye, Single Sheave	Zinc Plated	1/2 in	3 in	Bulk, UPC Tag	650 lb	1.05 lb	5	25
3 in	T7550404	020418300042	Fixed Eye, Single Sheave	Zinc Plated	1/2 in	3 in	Bulk, UPC Tag	650 lb	1.03 lb	5	25

Rope Clamps



- Used to Create Loop End Termination on Fiber Rope
- Standard Finish: Zinc Plated

Cat. No.	UPC No.	Style	Finish	Rope Size	Packaged	Weight Each	Shelf Pack Qty.	Case Pack Qty.
B7679034	020418157189	Rope Clamp, 2 per Bag	Zinc Plated	1/2 in	Bagged	0.10 lb	10	100
B7679035	020418157196	Rope Clamp & Thimble	Zinc Plated	1/4 in - 3/8 in	Bagged	0.09 lb	10	100

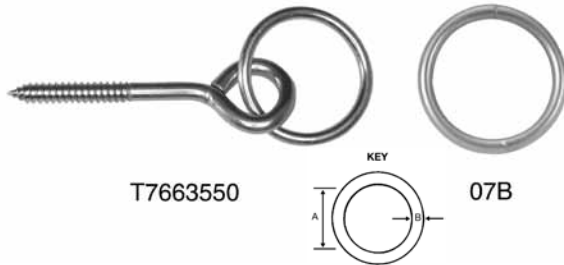
Rope Cleats



- For Fastening Rope for Boats, Awnings, Etc.
- Standard Finish: Nickel Plated

Figure No.	Trade Size	Cat. No.	UPC No.	Finish	Length	Packaged	Weight Each	Shelf Pack Qty.	Case Pack Qty.
4015	2-1/2 in	T7655402	020418192012	Nickel Plated	2-1/2 in	Bulk, UPC Tag	0.04 lb	10	100
4015	2-1/2 in	T7655404	020418193354	Brass	2-1/2 in	Bulk, UPC Tag	0.03 lb	10	100
4015	4-1/2 in	T7655412	020418192029	Nickel Plated	4-1/2 in	Bulk, UPC Tag	0.08 lb	10	100
4015	6 in	T7655422	020418193347	Nickel Plated	6 in	Bulk, UPC Tag	0.14 lb	10	100

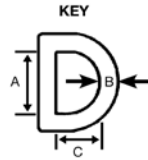
Welded Rings (Imported)



- For General Chain & Rope Attachment
- Standard Finish: Zinc Plated
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting

Figure No.	Trade Size	Cat. No.	UPC No.	Style	Finish	Packaged	A Dim.	B Dim.	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
7	1 in	T7665012	020418201301	Steel Ring	Nickel Plated	Bulk, UPC Tag	1.00 in	0.18 in	200 lb	0.03 lb	10	100
7B	1-1/8 in	T7662114	020418201288	Solid Bronze Ring	Polished	Bulk, UPC Tag	1.125 in	0.21 in	150 lb	0.04 lb	10	100
4	1-1/4 in	T7660841	020418192845	Steel Ring	Zinc Plated	Bulk, UPC Tag	1.25 in	0.22 in	200 lb	0.05 lb	10	100
7	1-1/4 in	T7665032	020418201318	Steel Ring	Nickel Plated	Bulk, UPC Tag	1.25 in	0.18 in	200 lb	0.03 lb	10	100
3	1-1/2 in	T7665042	020418201325	Steel Ring	Nickel Plated	Bulk, UPC Tag	1.50 in	0.24 in	200 lb	0.05 lb	10	100
3	2 in	T7661152	020418192036	Steel Ring	Nickel Plated	Bulk, UPC Tag	2.00 in	0.24 in	200 lb	0.09 lb	10	100
7B	2 in	T7662154	020418192050	Solid Bronze Ring	Polished	Bulk, UPC Tag	2.00 in	0.25 in	150 lb	0.12 lb	10	100
-	2 in	T7663550	020418211898	Hitch Ring with 3-1/2" Screw Eye	Zinc Plated	Bulk, UPC Tag	2.00 in	0.26 in	90 lb	0.21 lb	5	50
2	2 in	T7665001	020418201295	Steel Ring	Nickel Plated	Bulk, UPC Tag	2.00 in	0.26 in	200 lb	0.10 lb	10	100
2	2-1/2 in	T7661361	020418192043	Steel Ring	Zinc Plated	Bulk, UPC Tag	2.50 in	0.26 in	200 lb	0.14 lb	10	100

Dees



- Used to Attach a Strap to an Accessory
- Standard Finish: Zinc, Nickel, Polished
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting

Figure No.	Trade Size	Cat. No.	UPC No.	Finish	Packaged	A Dim.	B Dim.	C Dim.	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
3250	1 in	T7662322	020418204821	Nickel Plated	Bulk, UPC Tag	1.00 in	0.21 in	0.81 in	200 lb	0.03 lb	10	100
3250	1-1/4 in	T7662342	020418192067	Zinc Plated	Bulk, UPC Tag	1.25 in	0.24 in	1.125 in	200 lb	0.07 lb	10	100
3250	1-1/2 in	T7662351	020418192074	Zinc Plated	Bulk, UPC Tag	1.50 in	0.24 in	1.50 in	200 lb	0.08 lb	10	100
3250	2 in	T7662372	020418204845	Nickel Plated	Bulk, UPC Tag	2.00 in	0.26 in	1.75 in	200 lb	0.11 lb	10	100

Footman Loops



- Die Cast Construction
- Standard Finish: Nickel Plated
- For Tying Down Rope to a Surface

Trade Size	Cat. No.	UPC No.	Style	Finish	Overall Length	Inside Loop Length	Diameter	Packaged	Weight Each	Shelf Pack Qty.	Case Pack Qty.
1/2 in	T7691800	020418211836	Rope Loop	Nickel Plated	2-3/4 in	1-3/4 in	1/4 in	Bulk, UPC Tag	0.04 lb	10	100
1 in	T7691801	020418211843	Strap Loop	Nickel Plated	2-5/8 in	1 in	1/4 in	Bulk, UPC Tag	0.04 lb	10	100
1-1/4 in	T7691802	020418211850	Strap Loop	Nickel Plated	2-3/4 in	1-3/8 in	1/4 in	Bulk, UPC Tag	0.03 lb	10	100
1-1/2 in	T7691803	020418211867	Strap Loop	Nickel Plated	3-1/8 in	1-5/8 in	1/4 in	Bulk, UPC Tag	0.04 lb	10	100
2 in	T7691804	020418211829	Strap Loop	Nickel Plated	3-3/4 in	2-1/8 in	5/16 in	Bulk, UPC Tag	0.06 lb	10	100

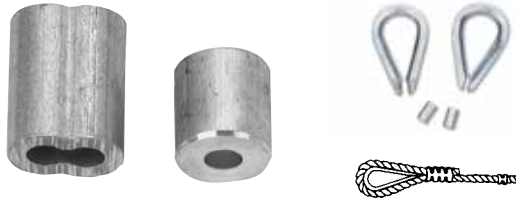
Tie Out Stake



- Spiral Tie Out Stake
- Finish: Zinc Plated
- For Pets or Other Animals

Figure No.	Trade Size	Cat. No.	UPC No.	Finish	Weight Each	Case Pack Qty.
1949	15-1/2 in	7692006	020418144936	Zinc Plated	0.90 lb	25

Ferrules and Stops



- Insert Ferrule(s) Onto Cable, Form Loop and Insert Thimble (If Desired)
- Use a Proper Swaging Tool (Not a Hammer) to Make Swages.
- Match Ferrule, Thimble and Stop Size to Size of Cable
- If Used on Coated Cable, Remove the Coating From the Assembly Area
- Follow Assembly Instructions Carefully
- Made From Aluminum or Copper

Trade Size	Cat. No.	UPC No.	Material	For Cable Dia.	Style	Packaged	Weight Each	Shelf Pack Qty.	Case Pack Qty.
1/16 in	7670704	020418166464	Aluminum	1/16 in	Ferrules	Bulk	0.01 lb	-	250
1/16 in	B7675304	020418157134	Aluminum	1/16 in	Ferrules (2) and Stops (2)	Bagged	0.01 lb	10	100
1/16 in	B7676304	020418238185	Aluminum	1/16 in	Ferrules (2) and Thimbles (2)	Bagged	0.05 lb	10	100
1/16 in	T7670904*	020418240720	Copper	1/16 in	Ferrules	Bulk	0.01 lb	100	1000
3/32 in	7670714	020418166471	Aluminum	3/32 in	Ferrules	Bulk	0.01 lb	-	250
3/32 in	B7675314	020418157141	Aluminum	3/32 in	Ferrules (2) and Stops (2)	Bagged	0.02 lb	10	100
3/32 in	B7676314	020418238123	Aluminum	3/32 in	Ferrules (2) and Thimbles (2)	Bagged	0.05 lb	10	100
3/32 in	T7670914*	020418240768	Copper	3/32 in	Ferrules	Bulk	0.01 lb	100	1000
1/8 in	7670724	020418166488	Aluminum	1/8 in	Ferrules	Bulk	0.01 lb	-	250
1/8 in	B7675324	020418157158	Aluminum	1/8 in	Ferrules (2) and Stops (2)	Bagged	0.02 lb	10	100
1/8 in	B7676324	020418238178	Aluminum	1/8 in	Ferrules (2) and Thimbles (2)	Bagged	0.07 lb	10	100
1/8 in	T7670924*	020418240751	Copper	1/8 in	Ferrules	Bulk	0.02 lb	50	500
3/16 in	7670744	020418166501	Aluminum	3/16 in	Ferrules	Bulk	0.02 lb	-	250
3/16 in	B7675344	020418157165	Aluminum	3/16 in	Ferrules (2) and Stops (2)	Bagged	0.04 lb	10	100
3/16 in	B7676344	020418238161	Aluminum	3/16 in	Ferrules (2) and Thimble (1)	Bagged	0.02 lb	10	100
3/16 in	T7670944*	020418240744	Copper	3/16 in	Ferrules	Bulk	0.05 lb	25	250
1/4 in	B7675354	020418157172	Aluminum	1/4 in	Ferrules (2) and Stops (2)	Bagged	0.09 lb	10	100
1/4 in	B7676354	020418238154	Aluminum	1/4 in	Ferrules (2) and Thimble (1)	Bagged	0.04 lb	10	100
1/4 in	T7670754	020418236389	Aluminum	1/4 in	Ferrules	Bulk	0.03 lb	50	250
1/4 in	T7670954*	020418240737	Copper	1/4 in	Ferrules	Bulk	0.08 lb	25	250

* Copper Ferrules are Zinc Plated

Swaging Tool



- For Securing Ferrules and Stops onto Wire Rope or Cable
- Do Not Swage on Coated Cable, Remove Coating From the Assembly Area
- Read All Assembly and Maintenance Instructions on Tool Package
- Designed for Use on 1/16" to 3/16" Sized Ferrules and Stops

Cat. No.	UPC No.	Overall Length	Packaged	Weight Each	Shelf Pack Qty.
7679038	020418224010	18 in	Boxed	5.90 lb	2

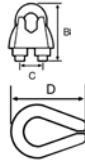
Wire Rope Clips and Thimbles



323



3300



- Not Recommended for Use on Coated Cable
- If Used on Coated Cable, Remove the Coating From the Assembly Area
- Standard Finish: Electro-Galvanized
- Follow Assembly Instructions

Figure No.	Trade Size	Cat. No.	UPC No.	Style	Finish	Packaged	A Dim.	B Dim.	C Dim.	D Dim.	Weight Each	Shelf Pack Qty.	Case Pack Qty.
3300	1/16 in	T7670409	020418192586	Wire Rope Clip	Electro-Galvanized	Bulk, UPC Tag	1/16 in	7/8 in	7/16 in	-	0.02 lb	10	100
3300	1/8 in	B7675109	020418166846	Wire Rope Clips (2) w/ Thimble (1)	Electro-Galvanized	Bagged	1/8 in	1-1/2 in	1/2 in	1-3/4 in	0.18 lb	10	100
3300	1/8 in	T7670419	020418201691	Wire Rope Clip	Electro-Galvanized	Bulk, UPC Tag	3/32 in - 1/8 in	1 in	1/2 in	-	0.03 lb	10	100
323	1/8 in	T7670609	020418201769	Wire Rope Thimble	Electro-Galvanized	Bulk, UPC Tag	3/32 in - 1/8 in	-	-	1-3/4 in	0.03 lb	10	100
3300	3/16 in	B7675119	020418166853	Wire Rope Clips (2) w/ Thimble (1)	Electro-Galvanized	Bagged	3/16 in	1-1/16 in	9/16 in	1-3/4 in	0.19 lb	10	100
3300	3/16 in	T7670429	020418201707	Wire Rope Clip	Electro-Galvanized	Bulk, UPC Tag	3/16 in	1-1/16 in	9/16 in	-	0.05 lb	10	100
323	3/16 in	T7670619	020418201776	Wire Rope Thimble	Electro-Galvanized	Bulk, UPC Tag	3/16 in	-	-	1-3/4 in	0.02 lb	10	100
3300	1/4 in	B7675129	020418166860	Wire Rope Clips (2) w/ Thimble (1)	Electro-Galvanized	Bagged	1/4 in	1-1/2 in	11/16 in	1-7/8 in	0.20 lb	10	100
3300	1/4 in	T7670439	020418201714	Wire Rope Clip	Electro-Galvanized	Bulk, UPC Tag	1/4 in	1-1/2 in	11/16 in	-	0.10 lb	10	100
323	1/4 in	T7670629	020418201783	Wire Rope Thimble	Electro-Galvanized	Bulk, UPC Tag	1/4 in	-	-	1-7/8 in	0.03 lb	10	100
3300	5/16 in	T7670449	020418201721	Wire Rope Clip	Electro-Galvanized	Bulk, UPC Tag	5/16 in	1-1/2 in	11/16 in	-	0.13 lb	10	100
323	5/16 in	T7670639	020418201790	Wire Rope Thimble	Electro-Galvanized	Bulk, UPC Tag	5/16 in	-	-	2-3/32 in	0.04 lb	10	100
3300	3/8 in	T7670459	020418201738	Wire Rope Clip	Electro-Galvanized	Bulk, UPC Tag	3/8 in	2 in	7/8 in	-	0.22 lb	10	10
323	3/8 in	T7670649	020418201806	Wire Rope Thimble	Electro-Galvanized	Bulk, UPC Tag	3/8 in	-	-	2-1/4 in	0.06 lb	10	100
3300	1/2 in	T7670479	020418201745	Wire Rope Clip	Electro-Galvanized	Bulk, UPC Tag	1/2 in	2-1/2 in	1 in	-	0.31 lb	5	50
323	1/2 in	T7670659	020418201813	Wire Rope Thimble	Electro-Galvanized	Bulk, UPC Tag	1/2 in	-	-	2-1/2 in	0.11 lb	5	50
3300	5/8 in	T7670489	020418201752	Wire Rope Clip	Electro-Galvanized	Bulk, UPC Tag	5/8 in	2-3/4 in	1-3/16 in	-	0.26 lb	5	50
323	5/8 in	T7670669	020418201820	Wire Rope Thimble	Electro-Galvanized	Bulk, UPC Tag	5/8 in	-	-	2-7/8 in	0.34 lb	5	50
3300	3/4 in	T7670499	020418180460	Wire Rope Clip	Electro-Galvanized	Bulk, UPC Tag	3/4 in	3-1/16 in	1-11/32 in	-	0.60 lb	5	50

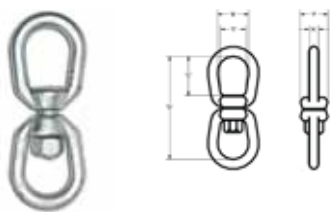
Stainless Steel Wire Rope Clips & Light Duty Thimbles



- Not Recommended for Use on Coated Cable
- If Used on Coated Cable, Remove the Coating From the Assembly Area
- Follow Assembly Instructions
- Standard Material: Cast Stainless Steel
- Standard Finish: Polished

Trade Size	Cat. No.	UPC No.	Style	Finish	Packaged	Weight Each	Shelf Pack Qty.	Case Pack Qty.
1/8 in	T7633002	020418204692	Wire Rope Clip	Polished	Bulk, UPC Tag	0.03 lb	10	100
3/16 in	T7633003	020418204715	Wire Rope Clip	Polished	Bulk, UPC Tag	0.05 lb	10	100
1/4 in	T7633004	020418204722	Wire Rope Clip	Polished	Bulk, UPC Tag	0.08 lb	10	100
1/16 in	T7637502	020418238147	Wire Rope Thimble	Polished	Bulk, UPC Tag	0.02 lb	10	100
3/16 in	T7637503	020418204746	Wire Rope Thimble	Polished	Bulk, UPC Tag	0.02 lb	10	100
1/4 in	T7637504	020418204753	Wire Rope Thimble	Polished	Bulk, UPC Tag	0.02 lb	10	100

Eye & Eye Swivels (Import)



- Forged Steel
- Galvanized Finish
- Swivels Are Designed For Straight Line Pull Only
- UPC Tagged
- These Swivels ARE NOT Designed to Swivel Under Load
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Finish	A Dim.	B Dim.	C Dim.	D Dim.	E Dim.	F Dim.	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
3/16 in	T9630335	020418211560	Galvanized	0.20 in	0.70 in	0.81 in	2.52 in	0.62 in	0.64 in	700 lb	0.11 lb	5	50
1/4 in	T9630435	020418211577	Galvanized	0.25 in	0.73 in	1.02 in	3.00 in	0.65 in	0.69 in	850 lb	0.19 lb	5	50
5/16 in	T9630535	020418211584	Galvanized	0.33 in	0.97 in	1.18 in	3.64 in	0.77 in	0.84 in	1250 lb	0.37 lb	5	50
3/8 in	T9630635	020418211591	Galvanized	0.44 in	1.20 in	1.34 in	4.20 in	1.00 in	1.02 in	2250 lb	0.69 lb	5	25
1/2 in	T9630835	020418211607	Galvanized	0.55 in	1.46 in	1.88 in	5.44 in	1.16 in	1.28 in	3600 lb	1.39 lb	5	25

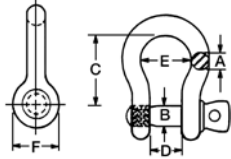
Anchor Shackles, Screw Pin (Import) Consumer Grade



- Carbon Steel
- Zinc Plated
- UPC Tagged
- DO NOT EXCEED THE WORKING LOAD LIMIT
- Do Not Use for Overhead Lifting or Hoisting

Trade Size	Cat. No.	UPC No.	Style	Finish	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
3/16 in	T9600335	020418201509	Screw Pin	Zinc Plated	100 lb	0.05 lb	10	100
1/4 in	T9600435	020418201516	Screw Pin	Zinc Plated	400 lb	0.08 lb	10	100
5/16 in	T9600535	020418201523	Screw Pin	Zinc Plated	700 lb	0.15 lb	10	100
3/8 in	T9600635	020418201530	Screw Pin	Zinc Plated	1000 lb	0.28 lb	10	100
1/2 in	T9600835	020418201547	Screw Pin	Zinc Plated	2000 lb	0.60 lb	5	50
5/8 in	T9601035	020418201554	Screw Pin	Zinc Plated	3000 lb	1.40 lb	5	20
3/4 in	T9601235	020418201561	Screw Pin	Zinc Plated	4000 lb	2.40 lb	5	20
1 in	T9601635	020418201578	Screw Pin	Zinc Plated	5000 lb	5.00 lb	2	10

Anchor Shackles, Screw Pin (Import) Industrial Grade



- Drop-Forged Carbon Steel
- Industrial Grade
- Galvanized Finish
- WLL Marked on Each Shackle
- UPC Tagged
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	A Dim.	B Dim.	C Dim.	D Dim.	E Dim.	F Dim.	Finish	Working Load Limit (Short Tons)	Weight Each	Shelf Pack Qty.	Case Pack Qty.
3/16 in	T9640335	020418211706	0.19 in	0.25 in	0.87 in	0.37 in	0.63 in	0.56 in	Galvanized	1/3 T	0.06 lb	10	100
1/4 in	T9640435	020418211683	0.25 in	0.31 in	1.12 in	0.50 in	0.78 in	0.69 in	Galvanized	1/2 T	0.11 lb	10	100
5/16 in	T9640535	020418211676	0.32 in	0.37 in	1.20 in	0.54 in	0.83 in	0.86 in	Galvanized	3/4 T	0.18 lb	10	100
3/8 in	T9640635	020418211669	0.38 in	0.43 in	1.44 in	0.67 in	1.00 in	1.05 in	Galvanized	1 T	0.32 lb	10	100
1/2 in	T9640835	020418211652	0.50 in	0.62 in	1.86 in	0.86 in	1.30 in	1.20 in	Galvanized	2 T	0.69 lb	5	50
5/8 in	T9641035	020418211645	0.62 in	0.75 in	2.44 in	1.06 in	1.56 in	1.52 in	Galvanized	3-1/4 T	1.50 lb	25	25
3/4 in	T9641235	020418211621	0.75 in	0.87 in	2.80 in	1.30 in	2.00 in	1.85 in	Galvanized	4-3/4 T	2.30 lb	15	15
7/8 in	T9641435	020418211638	0.90 in	1.00 in	3.20 in	1.43 in	2.15 in	2.00 in	Galvanized	6-1/2 T	3.35 lb	10	10
1 in	T9641635	020418211614	1.00 in	1.12 in	3.75 in	1.68 in	2.55 in	2.37 in	Galvanized	8-1/2 T	5.20 lb	5	5

Eye Slip Hooks, Grade 43, (Import)



- Forged Steel
- Standard Finish: Zinc Plated
- Grade 43
- UPC Tagged
- Slip Hooks Are Designed to Allow Chain to Slip Through the Hook
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Hook Style	Finish	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
1/4 in	T9101424	020418222177	Eye	Zinc Plated	2600 lb	0.40 lb	10	100
5/16 in	T9101524	020418222184	Eye	Zinc Plated	3900 lb	0.70 lb	10	50
3/8 in	T9101624	020418222191	Eye	Zinc Plated	5400 lb	1.00 lb	10	50
1/2 in	T9101824	020418222160	Eye	Zinc Plated	9200 lb	2.60 lb	5	20

Eye Grab Hooks, Grade 43, (Import)



- Forged Steel
- Grade 43
- Zinc Plated
- UPC Tagged
- Grab Hooks Are Designed to Grab a Chain Link and Hold it in Place
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Hook Style	Finish	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
1/4 in	T9001424	020418222139	Eye	Zinc Plated	2600 lb	0.34 lb	10	100
5/16 in	T9001524	020418222146	Eye	Zinc Plated	3900 lb	0.55 lb	10	50
3/8 in	T9001624	020418222153	Eye	Zinc Plated	5400 lb	0.90 lb	10	50
1/2 in	T9001824	020418222122	Eye	Zinc Plated	9200 lb	1.80 lb	5	20

Clevis Grab Hooks, Grade 70, (Import)



- Forged Steel
- Transport Grade
- Yellow Chromate Finish
- UPC Tagged
- Grab Hooks Are Designed to Grab a Chain Link and Hold it in Place
- Hooks are Sized by the Material Diameter of the Chain That They Engage. Make Sure the Hook Size and Chain Diameter are Compatible Before Attaching to Load
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	For Chain Size	Hook Style	Finish	Working Load Limit	Weight Each	Shelf Pack Qty.	Case Pack Qty.
5/16 in	T9503415	020418201974	5/16 in	Clevis	Yellow Chromate	4700 lb	0.71 lb	10	50
3/8 in	T9503515	020418201981	3/8 in	Clevis	Yellow Chromate	6600 lb	1.18 lb	5	25

TECH INFORMATION

Carbon and Alloy Steel Fittings Standards

Apex Tool Group forges Campbell® fittings under established quality control procedures. Dimensional tolerances meet standards adopted by the Drop Forging Association as outlined in "Standard Practices and Tolerances for Impression Die Forgings." Working load limits for carbon and alloy steel fittings are based on predetermined design factors.

Working Load Limit. This is the related capacity. It is the maximum load which should ever be applied to the fittings in service, even when they are new.

Proof Test. This is a term designating a quality control tensile test applied to the fitting during or subsequent to the process of manufacture. It is the minimum force in pounds which the fitting has withstood in the condition and at the time it left the factory, under a test in which a constantly increasing force has been applied in direct tension to the fitting on a standard test machine.

Ton. Where "ton" is used in this catalog, it refers to short ton or 2,000 pounds.

WARNING: Do not exceed Working Load Limit.

Most of the fittings in this catalog are intended to be used in conjunction with other components in a load sustaining system. Care should be taken to select components of compatible type, grade, size and working load limit. Any abuse, misuse or alteration of the fitting may lessen the load that the fitting will sustain. Some examples of such changes and abuses are as follows:

- Twisting or side loading.
 - Disfigurement.
 - Deterioration of the fitting caused by strain, usage or corrosion.
 - Shock loading.
 - Use for a purpose other than that for which the particular fitting was intended.
 - Use to carry a load in excess of the Working Load Limit.
- A continual inspection program should be undertaken to discover gouges, distortion, cracks, elongation or stretching, spread in the throat, opening of hooks, severe wear, or other damage. Apex Tool Group does not accept any liability for damages which may result from alteration, misuse or abuse of the product or from use in excess of the Working Load Limit.

Key to Figure Number Designations		
S - Painted Blue	A - Alloy	ST - Stainless Steel
G - Galvanized	O - Painted Orange	V - Electro-polished
C - Carbon	H - Heat Treated	Z - Zinc Plated

NOTICE: The product specifications and dimensions are as accurate as possible at the time of printing. However, because we are constantly improving the quality and design of our products, they can change without notice.

Stainless Forged Fittings

Campbell® stainless forged fittings are used in place of carbon steel fittings for marine and food processing applications and where fittings are exposed to oxidizing acids, alkalis, neutral brines and detrimental temperatures. They have won wide acceptance in aviation, boating, cements, chemicals, fertilizers, fishing, food processing, hydrodynamics and nuclear energy. Many are used in the fields of oceanography, petroleum, pulp and paper manufacturing, sewage disposal, textiles, water purification and yachting.

All stainless fittings are made of Type 316 stainless steel and have an electro-polished finish for improved stress relief, surface appearance and resistance to corrosion and chemical attack.

NOTICE: The product specifications and dimensions are as accurate as possible at the time of printing. However, because we are constantly improving the quality and design of our products, they can change without notice.

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:

- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:

- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

TECH INFORMATION

Wire Rope Clips



1000-G Forged
3300 Malleable Iron
ST-43-V Stainless Steel

WIRE ROPE CLIP

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING THESE WIRE ROPE CLIPS.

IMPORTANT: Instructions For Use



1. Turn back specified amount of rope per clip size (shown in the table below) from the thimble. Install clip on base width from dead end of rope (U-bolt over dead end). Tighten nuts evenly to recommended torque.



2. Assemble the next clip as close to the loop as possible. Turn nuts alternately and firmly until the ropes make contact.

3. If any additional clips are required, they should be equally spaced between the first two. Tighten all nuts evenly on all clips to recommended torque (see table).

4. IMPORTANT!

Apply the initial load to test the assembly. This load should be equal or greater weight than loads expected in use. Retighten nuts to recommended torque. Periodically, inspect assembly and tighten nuts to recommended torque.

The efficiency rating of a properly installed clip is based upon the catalog breaking strength of wire rope. The efficiency rating for clip sizes 1/8" through 7/8" is 80% and for sizes 1" through 2" is 90%. When a pulley is used in place of thimble for turning back the rope, one additional clip should be added.

The minimum number of clips shown in the table is based on using right or lang lay wire rope, 6x19 class, or 6x37 class, IWRC or fiber core, IPS or EIPS. If Seale construction or similar large outer wire type construction in the 6x19 class is being used for 1" and larger wire rope, one additional clip should be added.

The minimum number of clips shown in the table can be used with right regular lay wire rope, 8x19 class, fiber core IPS or IPS for 1-1/2" and smaller wire rope. The number of clips shown also applies to right regular lay wire rope 18x7 class, fiber core IPS or XIPS for 1-3/4" and smaller wire rope.

For classes of wire rope not mentioned, additional clips may be necessary to make a proper termination. Do not use on plastic coated wire rope.

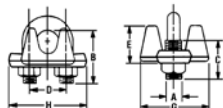
Clip Size		Minimum No. of Clips	L Amount of Rope to Turn Back		Torque Foot Weight	
in.	mm		in.	mm	lb	kg
1/8	3	2	3 1/2	89	5	2
3/16	5	2	4	102	8	4
1/4	6	2	5	127	15	7
5/16	8	2	5-1/2	140	30	14
3/8	10	2	6 1/2	165	45	20
7/16	11	2	7	178	65	30
1/2	13	3	11-1/2	292	65	30
9/16	14	3	12	305	95	43
5/8	16	3	12	305	95	43
3/4	19	4	18	457	130	59
7/8	22	4	19	483	225	102
1	25	5	26	660	225	102
1-1/8	29	6	34	864	225	102
1-1/4	32	7	44	1118	360	163
1-1/2	38	8	54	1372	360	163
1-3/4	44	8	61	1549	590	268
2	51	8	71	1803	750	341

NOTE: If more clips are used than specified in the table above, the amount of rope turnback should be increased accordingly. The data above based on use of Campbell forged wire rope clips on new rope.

WARNING

- Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.
- Prepare wire rope end termination only as instructed.
- Do not use on plastic coated wire rope.
- Periodically inspect assembly for wear and abuse, and tighten nuts to recommended torque. If worn, distorted or damaged, discard and replace.
- Always stand clear of loads being lifted.

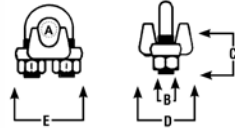
Forged Wire Rope Clips, 1000-G



- Base is Drop-Forged Carbon Steel
- Hot Galvanized to ASTM A-153 to Resist Rust and Corrosion
- U-Bolts Are Dyed Blue for Identification Purposes and Use Heavy Duty Hex Nuts (UNC-2A)
- Designed to Meet Federal Specifications, FF-C-450, Type 1, Class 1
- Designed to Meet or Exceed All Requirements of ASME B30.26 Including: Identification, Ductility, Design Factor and Temperature
- Permanently Marked with Size and Manufacturer
- Sizes 1/4" and Above Marked with USA and Date Code
- Sizes 1/8" Through 1-1/4" Are Supplied Bagged and Unassembled
- Forged and Assembled in Cortland, NY
- Note: See Application and Warning Information

For Rope Diameter	Cat. No.	UPC No.	Minimum No. of Clips Required	Clips Per Box	A Dim.	B Dim.	C Dim.	D Dim.	E Dim.	F Dim.	G Dim.	Weight Each
1/8 in	6990234	020418099908	2	100	7/32 in	3/4 in	7/16 in	9/16 in	7/16 in	29/32 in	1-1/16 in	0.08 lb
3/16 in	6990334	020418099915	2	100	1/4 in	15/16 in	9/16 in	5/8 in	1/2 in	15/16 in	1-1/8 in	0.10 lb
1/4 in	6990434	020418099922	2	100	5/16 in	1-1/32 in	5/8 in	23/32 in	21/32 in	1-1/8 in	1-7/16 in	0.18 lb
5/16 in	6990534	020418099939	2	100	3/8 in	1-5/16 in	13/16 in	7/8 in	3/4 in	1-5/16 in	1-11/16 in	0.32 lb
3/8 in	6990634	020418099946	2	75	7/16 in	1-1/2 in	15/16 in	1 in	29/32 in	1-9/16 in	1-15/16 in	0.48 lb
7/16 in	6990734	020418099953	2	50	1/2 in	2 in	1-1/8 in	1-1/8 in	1 in	1-11/16 in	2-1/4 in	0.72 lb
1/2 in	6990834	020418099960	3	50	1/2 in	2 in	1-1/8 in	1-1/8 in	1-1/16 in	1-13/16 in	2-1/4 in	0.76 lb
9/16 in	6990934	020418099977	3	50	9/16 in	2-3/8 in	1-3/8 in	1-1/4 in	1-9/32 in	1-15/16 in	2-7/16 in	0.96 lb
5/8 in	6991034	020418099984	3	25	9/16 in	2-3/8 in	1-1/2 in	1-1/4 in	1-9/32 in	2-1/16 in	2-7/16 in	1.05 lb
3/4 in	6991234	020418099991	4	25	5/8 in	2-3/4 in	1-1/2 in	1-1/2 in	1-1/2 in	2-5/16 in	2-13/16 in	1.60 lb
7/8 in	6991434	020418100000	4	25	3/4 in	3-1/8 in	1-7/8 in	1-3/4 in	1-17/32 in	2-1/2 in	3-1/4 in	2.40 lb
1 in	6991634	020418100017	5	25	3/4 in	3-1/2 in	2-1/32 in	1-7/8 in	1-3/4 in	2-3/4 in	3-3/8 in	2.70 lb
1-1/8 in	6991834	020418100024	6	10	3/4 in	3-7/8 in	2-1/8 in	2-1/32 in	1-29/32 in	3 in	3-5/8 in	3.40 lb
1-1/4 in	6992034	020418100031	7	10	7/8 in	4-1/4 in	2-3/8 in	2-1/4 in	2-7/32 in	3-1/4 in	4 in	4.60 lb
1-1/2 in	6992434	020418100048	8	10	7/8 in	4-15/16 in	2-1/4 in	2-9/16 in	2-9/16 in	3-1/2 in	4-3/8 in	6.00 lb
1-3/4 in	6992835	020418100055	8	1	1-1/8 in	5-13/16 in	2-3/4 in	3-1/16 in	2-3/4 in	3-3/4 in	5-5/16 in	9.00 lb
2 in	6993235	020418100062	8	1	1-1/4 in	6-1/2 in	3 in	3-3/8 in	3-1/8 in	4-1/4 in	5-7/8 in	13.00 lb

Stainless Steel Forged Wire Rope Clips, ST-43-V



- Base and U-Bolt Are Type 316 Stainless Steel
- Electro-Polish Finish
- Imported

For Rope Diameter	Cat. No.	UPC No.	Minimum No. of Clips Required	B Dim.	C Dim.	D Dim.	E Dim.	Weight Each
1/8 in	6403002	020418094101	2	5/32 in	9/16 in	3/4 in	3/4 in	0.04 lb
3/16 in	6403003	020418094118	2	1/4 in	3/4 in	7/8 in	1-1/8 in	0.10 lb
1/4 in	6403004	020418094125	2	5/16 in	1 in	1-1/8 in	1-3/8 in	0.18 lb
3/8 in	6403006	020418094132	2	1/2 in	1-3/8 in	1-1/2 in	2 in	0.52 lb
1/2 in	6403008	020418094149	3	9/16 in	2 in	1-7/8 in	2-5/16 in	0.89 lb

TECH INFORMATION

Shackles



BOLT TYPE PIN ANCHOR SHACKLE

SCREW PIN ANCHOR SHACKLE



SCREW PIN CHAIN SHACKLE

ROUND PIN CHAIN SHACKLE

1st letter indicates material, number is type, last letter indicates finish

Round Pin Chain	C-416-S		
Screw Pin Anchor	C-419-S	C-419-G	A-419-G
Screw Pin Chain	C-422-G		
Bolt Type Anchor	C-999-G	A-999-G	
Screw Pin Anchor - Stainless	ST-419-V		
Bolt Type Anchor - Stainless	ST-999-V		

WARNING

- Failure to follow the instructions for use and these warnings may cause death or serious injury.
- Use shackles only as indicated.
- Shackles must always be inspected for wear, distortion and damage before use. If the pin or bow is worn, distorted or damaged, discard the entire shackle and replace.
- Do not use round pin shackles in rigging applications.
- Screw pin shackles should not be used if there will be movement on the pin. Movement could cause the pin to unscrew and drop the load.
- Screw pin should be tightened prior to use.
- Always stand clear of loads being lifted.

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING SHACKLES.

Campbell carbon and alloy steel shackles are drop-forged. All pins and bolts are galvanized and made of alloy steel. The shackles meet the design requirements of Federal Specification RR-C-271, Type IV. Galvanizing meets ASTM A-153 specification. Self-colored shackles are painted blue for identification purposes.

Campbell stainless steel shackles are drop-forged and made of Type 316 Stainless Steel with an electro-polished finish.

IMPORTANT: Instructions For Use

1. Do not exceed working load limit (WLL). See tables below.
2. The standard WLL given applies to in-line loading (perpendicular to the pin). When the loading is at an angle, the WLL is reduced as shown in the table below.
3. Any angular loads must be on the bow. All straight loading should be on the pin.

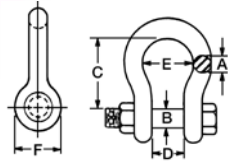
WLL in Tons—Campbell Carbon and Alloy Shackles

Shackle Size	In-Line Load WLL		45° Load WLL		90° Load WLL		
	in.	mm	ton	kg	ton	kg	
3/16	5	1/3	302	1/5	181	1/6	151
1/4	6	1/2	454	1/3	302	1/4	227
5/16	8	3/4	680	1/2	454	1/3	302
3/8	10	1	907	2/3	605	1/2	454
3/8 Alloy	10	2	1814	1-1/3	1210	1	907
7/16	11	1 1/2	1361	1	907	3/4	680
1/2	13	2	1814	1-1/3	1210	1	907
1/2 Alloy	13	3 1/4	2948	2-1/3	2117	1-1/2	1361
5/8	16	3 1/4	2948	2-1/4	2041	1-1/2	1361
3/4	19	4 3/4	4309	3-1/3	3024	2-1/3	2117
3/4 Alloy	19	7	6350	5	4536	3-1/2	3175
7/8	22	6 1/2	5897	4-1/2	4082	3-1/4	2948
1	25	8 1/2	7711	6	5443	4-1/4	3856
1 Alloy	25	12 1/2	11338	8-3/4	7936	6-1/4	5668
1-1/8	29	9 1/2	8618	6-2/3	6048	4-3/4	4309
1-1/4	32	12	10886	8-1/3	7560	6	5443
1-1/4 Alloy	32	18	16326	12-1/2	11338	9	8163
1-3/8	35	13 1/2	12247	9-1/2	8618	6-3/4	6123
1-1/2	38	17	15422	11-7/8	10773	8-1/2	7711
1-5/8	41	20	18144	14	12700	10	9072
2	51	35	31751	24-1/2	22226	17-1/2	15876
2-1/2	64	55	49895	38-1/2	34926	27-1/2	24947

WLL in Tons—Campbell Carbon and Alloy Shackles

Shackle Size	In-Line Load WLL		45° Load WLL		90° Load WLL		
	in.	mm	ton	kg	ton	kg	
1/4	6	1000	454	700	318	500	227
3/8	10	2000	907	1400	635	1000	454
7/16	11	3000	1362	2100	953	1500	681
1/2	13	4000	1814	2800	1270	2000	907
5/8	16	6000	2722	4200	1905	3000	1362
3/4	19	8000	3629	5600	2540	4000	1814

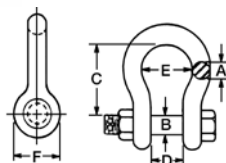
Carbon Bolt Type Anchor Shackles, Galvanized, C-999-G



- Shackle Bodies Are Drop-Forged Carbon Steel
- Galvanized to Meet ASTM A-153 Specifications
- C-999-G Shackles Meet the Design Requirements of Federal Specification RR-C-271, Type IVA, Grade A, Class 3
- Working Load Limit, Size, Manufacture Name, Date Code and USA Permanently Marked on Each Shackle
- Statistically Tested for Impact Resistance, Tensile Strength, Hardness, Ductility and Fatigue
- 999 Series Shackles Meet or Exceed All Manufacturing Requirements of the ASME B30.26 "Rigging Hardware". These Include the Material Ductility Requirement (Section 26-1.1.2), the Design Factor Requirement (Section 26.1.2), the Identification Requirement (Section 26-1.5.1), and the Effective Temperature Range (Section 26-1.6.1). the Shackles Can Be Proof Tested in Accordance with Section 26-1.4
- Certification Available Upon Request
- 6 to 1 Design Factor
- Pins and Bolts Are Heat-Treated and Made of Alloy Steel
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Working Load Limit (Short Tons)	Length Tolerance (+/-)	Width Tolerance (+/-)	B Dim.	C Dim.	D Dim.	E Dim.	F Dim.	Weight Each
1/4 in	5390435	020418193156	1/2 T	1/16 in	1/16 in	5/16 in	1-1/8 in	15/32 in	25/32 in	11/16 in	0.10 lb
3/8 in	5390635	020418193170	1 T	1/8 in	1/16 in	7/16 in	1-7/16 in	21/32 in	31/32 in	15/16 in	0.30 lb
1/2 in	5390835	020418075520	2 T	1/8 in	1/16 in	5/8 in	1-15/16 in	13/16 in	1-1/4 in	1-1/4 in	0.70 lb
5/8 in	5391035	020418075544	3-1/4 T	1/8 in	1/16 in	3/4 in	2-7/16 in	1-1/16 in	1-9/16 in	1-7/16 in	1.30 lb
3/4 in	5391235	020418075568	4-3/4 T	1/4 in	1/16 in	7/8 in	2-13/16 in	1-1/4 in	1-13/16 in	1-3/4 in	2.00 lb
7/8 in	5391435	020418075582	6-1/2 T	1/4 in	1/16 in	1 in	3-1/8 in	1-7/16 in	2-1/16 in	2 in	3.30 lb
1 in	5391635	020418075605	8-1/2 T	1/4 in	1/16 in	1-1/8 in	3-3/4 in	1-11/16 in	2-1/2 in	2-3/8 in	5.00 lb
1-1/8 in	5391835	020418075629	9-1/2 T	1/4 in	1/16 in	1-1/4 in	4-1/4 in	1-13/16 in	2-15/16 in	2-5/8 in	7.10 lb
1-1/4 in	5392035	020418075643	12 T	1/4 in	1/16 in	1-3/8 in	4-1/2 in	2 in	3-1/4 in	3 in	10.00 lb
1-3/8 in	5392235	020418075667	13-1/2 T	1/4 in	1/8 in	1-1/2 in	5-1/4 in	2-1/4 in	3-1/2 in	3-1/4 in	13.00 lb
1-1/2 in	5392435	020418075681	17 T	1/4 in	1/8 in	1-5/8 in	5-3/4 in	2-3/8 in	3-7/8 in	3-1/2 in	16.00 lb
1-3/4 in	5392835	020418075735	25 T	1/4 in	1/8 in	2 in	7 in	2-7/8 in	4-3/4 in	4 in	28.50 lb
2 in	5393235	020418075766	35 T	1/2 in	1/8 in	2-1/4 in	7-3/4 in	3-1/4 in	5-3/4 in	4-7/8 in	40.00 lb
2-1/2 in	5394035	020418075797	55 T	1/2 in	1/8 in	2-3/4 in	10-9/16 in	4-1/8 in	7-1/4 in	5-1/2 in	90.00 lb

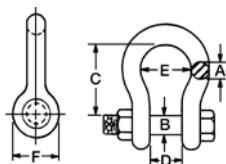
Alloy Bolt Type Anchor Shackles, Galvanized, A-999-G



- Shackle Bodies Are Drop-Forged Alloy Steel
- Galvanized to Meet ASTM A-153 Specifications
- A-999-G Shackles Meet the Design Requirements of Federal Specification RR-C-271, Type IVA Grade B, Class 3
- Working Load Limit, Size, Manufacture Name, Date Code, "CE" Mark, and USA Permanently Marked on Each Shackle
- Statistically Tested for Impact Resistance, Tensile Strength, Hardness, Ductility and Fatigue
- 999 Series Shackles Meet or Exceed All Manufacturing Requirements of the ASME B30.26 "Rigging Hardware". These Include the Material Ductility Requirement (Section 26-1.1.2), the Design Factor Requirement (Section 26.1.2), the Identification Requirement (Section 26-1.5.1), and the Effective Temperature Range (Section 26-1.6.1). the Shackles Can Be Proof Tested in Accordance with Section 26-1.4
- Certification Available Upon Request
- 5 to 1 Design Factor
- Pins and Bolts Are Heat-Treated and Made of Alloy Steel and Painted Orange
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Working Load Limit (Metric Tons)	Length Tolerance (+/-)	Width Tolerance (+/-)	B Dim.	C Dim.	D Dim.	E Dim.	F Dim.	Weight Each
3/8 in	5390695	020418267338	2 t	1/8 in	1/16 in	7/16 in	1-7/16 in	21/32 in	31/32 in	15/16 in	0.30 lb
1/2 in	5390895	020418182198	3-1/3 t	1/8 in	1/16 in	5/8 in	1-15/16 in	13/16 in	1-1/4 in	1-1/4 in	0.88 lb
5/8 in	5391095	020418267345	5 t	1/8 in	1/16 in	3/4 in	2-3/8 in	1-1/16 in	1-11/16 in	1-1/2 in	1.40 lb
3/4 in	5391295	020418182105	7 t	1/4 in	1/16 in	7/8 in	2-13/16 in	1-1/4 in	1-13/16 in	1-3/4 in	2.66 lb
7/8 in	5391495	020418267352	9-1/2 t	1/4 in	1/16 in	1 in	3-5/16 in	1-7/16 in	2-9/32 in	2-3/32 in	3.60 lb
1 in	5391695	020418182112	12-1/2 t	1/4 in	1/16 in	1-1/8 in	3-3/4 in	1-11/16 in	2-1/2 in	2-3/8 in	6.12 lb
1-1/4 in	5392095	020418267369	18 t	1/4 in	1/16 in	1-3/8 in	4-1/2 in	2 in	3-1/4 in	3 in	10.00 lb
1-3/8 in	5392295	020418267376	21 t	1/4 in	1/8 in	1-1/2 in	5-1/4 in	2-1/4 in	3-5/8 in	3-5/16 in	13.30 lb
1-1/2 in	5392495	020418267383	30 t	1/4 in	1/8 in	1-5/8 in	5-3/4 in	2-3/8 in	3-7/8 in	3-5/8 in	18.90 lb
1-3/4 in	5392895	020418267390	40 t	1/4 in	1/8 in	2 in	7 in	2-7/8 in	4-7/8 in	4-3/16 in	33.90 lb
2 in	5393295	020418267406	55 t	1/4 in	1/8 in	2-1/4 in	7-3/4 in	3-1/4 in	5-3/4 in	4-7/8 in	50.00 lb
2-1/2 in	5394095	020418267413	85 t	1/4 in	1/8 in	2-3/4 in	10-1/2 in	4-1/8 in	7-1/4 in	5-13/16 in	100.30 lb

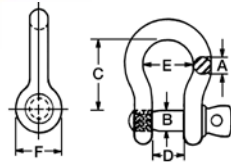
Stainless Steel Bolt Type Anchor Shackles, ST-999-V



- Forged Type 316 Stainless Steel
- Electro-Polish Finish
- Imported
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Working Load Limit (Short Tons)	Length Tolerance (+/-)	Width Tolerance (+/-)	B Dim.	C Dim.	D Dim.	E Dim.	F Dim.	Weight Each
3/8 in	6402406	020418093869	3/4 T	1/8 in	1/16 in	7/16 in	1-7/16 in	21/32 in	31/32 in	15/16 in	0.31 lb
1/2 in	6402408	020418093883	1-1/2 T	1/8 in	1/16 in	5/8 in	1-15/16 in	13/16 in	1-1/4 in	1-1/4 in	0.72 lb
5/8 in	6402410	020418093890	2 T	1/8 in	1/16 in	3/4 in	2-7/16 in	1-1/16 in	1-9/16 in	1-7/16 in	1.38 lb

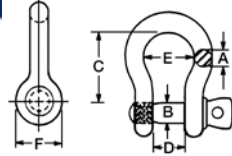
Carbon Screw Pin Anchor Shackles, Self-Colored, C-419-S



- Shackle Bodies Are Drop-Forged Carbon Steel
- Self Colored (Painted Blue)
- C-419-S Shackles Meet the Design Requirements of Federal Specification RR-C-271, Type IVA, Grade A, Class 2
- Working Load Limit, Size, Manufacture Name, Date Code and USA Permanently Marked on Each Shackle
- Statistically Tested for Impact Resistance, Tensile Strength, Hardness, Ductility and Fatigue
- 419 Series Shackles Meet or Exceed All Manufacturing Requirements of the ASME B30.26 "Rigging Hardware". These Include the Material Ductility Requirement (Section 26-1.1.2), the Design Factor Requirement (Section 26.1.2), the Identification Requirement (Section 26-1.5.1), and the Effective Temperature Range (Section 26-1.6.1), the Shackles Can Be Proof Tested in Accordance with Section 26-1.4
- Certification Available Upon Request
- 6 to 1 Design Factor
- Pins and Bolts Are Heat-Treated and Made of Alloy Steel
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Working Load Limit (Short Tons)	Length Tolerance (+/-)	Width Tolerance (+/-)	B Dim.	C Dim.	D Dim.	E Dim.	F Dim.	Weight Each
1/4 in	5410405	020418076145	1/2 T	1/16 in	1/16 in	5/16 in	1-1/8 in	15/32 in	25/32 in	11/16 in	0.10 lb
5/16 in	5410505	020418076176	3/4 T	1/16 in	1/16 in	3/8 in	1-1/4 in	17/32 in	27/32 in	3/4 in	0.20 lb
3/8 in	5410605	020418076206	1 T	1/8 in	1/16 in	7/16 in	1-7/16 in	21/32 in	31/32 in	15/16 in	0.30 lb
7/16 in	5410705	020418076237	1-1/2 T	1/8 in	1/16 in	1/2 in	1-3/4 in	23/32 in	1-5/32 in	1-1/8 in	0.52 lb
1/2 in	5410805	020418076268	2 T	1/8 in	1/16 in	5/8 in	1-15/16 in	13/16 in	1-1/4 in	1-1/4 in	0.80 lb
5/8 in	5411005	020418076282	3-1/4 T	1/8 in	1/16 in	3/4 in	2-7/16 in	1-1/16 in	1-9/16 in	1-7/16 in	1.50 lb
3/4 in	5411205	020418076305	4-3/4 T	1/4 in	1/16 in	7/8 in	2-13/16 in	1-1/4 in	1-13/16 in	1-3/4 in	2.00 lb
7/8 in	5411405	020418076329	6-1/2 T	1/4 in	1/16 in	1 in	3-1/8 in	1-7/16 in	2-1/16 in	2 in	3.20 lb
1 in	5411605	020418076343	8-1/2 T	1/4 in	1/16 in	1-1/8 in	3-3/4 in	1-11/16 in	2-1/2 in	2-3/8 in	5.00 lb
1-1/8 in	5411805	020418076367	9-1/2 T	1/4 in	1/16 in	1-1/4 in	4-1/4 in	1-13/16 in	2-15/16 in	2-5/8 in	7.00 lb
1-1/4 in	5412005	020418076381	12 T	1/4 in	1/16 in	1-3/8 in	4-1/2 in	2 in	3-1/4 in	3 in	10.00 lb
1-3/8 in	5412205	020418076404	13-1/2 T	1/4 in	1/8 in	1-1/2 in	5-1/4 in	2-1/4 in	3-1/2 in	3-1/4 in	13.00 lb
1-1/2 in	5412405	020418076428	17 T	1/4 in	1/8 in	1-5/8 in	5-3/4 in	2-3/8 in	3-7/8 in	3-1/2 in	16.00 lb
1-3/4 in	5412805	020418076459	25 T	1/4 in	1/8 in	2 in	7 in	2-7/8 in	4-3/4 in	4 in	26.00 lb
2 in	5413205	020418076473	35 T	1/2 in	1/8 in	2-1/4 in	7-3/4 in	3-1/4 in	5-3/4 in	4-7/8 in	41.00 lb

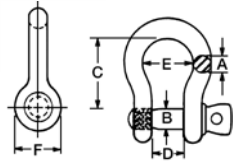
Carbon Screw Pin Anchor Shackles, Galvanized, C-419-G



- Shackle Bodies Are Drop-Forged Carbon Steel
- Galvanized to Meet ASTM A-153 Specifications
- C-419-G Shackles Meet the Design Requirements of Federal Specification RR-C-271, Type IVA, Grade A, Class 2
- Working Load Limit, Size, Manufacture Name, Date Code and USA Permanently Marked on Each Shackle
- Statistically Tested for Impact Resistance, Tensile Strength, Hardness, Ductility and Fatigue
- 419 Series Shackles Meet or Exceed All Manufacturing Requirements of the ASME B30.26 "Rigging Hardware". These Include the Material Ductility Requirement (Section 26-1.1.2), the Design Factor Requirement (Section 26.1.2), the Identification Requirement (Section 26-1.5.1), and the Effective Temperature Range (Section 26-1.6.1). the Shackles Can Be Proof Tested in Accordance with Section 26-1.4
- Certification Available Upon Request
- 6 to 1 Design Factor
- Pins and Bolts Are Heat-Treated and Made of Alloy Steel
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Working Load Limit (Short Tons)	Length Tolerance (+/-)	Width Tolerance (+/-)	B Dim.	C Dim.	D Dim.	E Dim.	F Dim.	Weight Each
3/16 in	5410335	020418076138	1/3 T	1/16 in	1/16 in	1/4 in	7/8 in	3/8 in	19/32 in	9/16 in	0.05 lb
1/4 in	5410435	020418076169	1/2 T	1/16 in	1/16 in	5/16 in	1-1/8 in	15/32 in	25/32 in	11/16 in	0.10 lb
5/16 in	5410535	020418076190	3/4 T	1/16 in	1/16 in	3/8 in	1-1/4 in	17/32 in	27/32 in	3/4 in	0.20 lb
3/8 in	5410635	020418076220	1 T	1/8 in	1/16 in	7/16 in	1-7/16 in	21/32 in	31/32 in	15/16 in	0.30 lb
7/16 in	5410735	020418076251	1-1/2 T	1/8 in	1/16 in	1/2 in	1-3/4 in	23/32 in	1-5/32 in	1-1/8 in	0.52 lb
1/2 in	5410835	020418076275	2 T	1/8 in	1/16 in	5/8 in	1-15/16 in	13/16 in	1-1/4 in	1-1/4 in	0.80 lb
5/8 in	5411035	020418076299	3-1/4 T	1/8 in	1/16 in	3/4 in	2-7/16 in	1-1/16 in	1-9/16 in	1-7/16 in	1.06 lb
3/4 in	5411235	020418076312	4-3/4 T	1/4 in	1/16 in	7/8 in	2-13/16 in	1-1/4 in	1-13/16 in	1-3/4 in	2.15 lb
7/8 in	5411435	020418076336	6-1/2 T	1/4 in	1/16 in	1 in	3-1/8 in	1-7/16 in	2-1/16 in	2 in	3.20 lb
1 in	5411635	020418076350	8-1/2 T	1/4 in	1/16 in	1-1/8 in	3-3/4 in	1-11/16 in	2-1/2 in	2-3/8 in	5.00 lb
1-1/8 in	5411835	020418076374	9-1/2 T	1/4 in	1/16 in	1-1/4 in	4-1/4 in	1-13/16 in	2-15/16 in	2-5/8 in	7.00 lb
1-1/4 in	5412035	020418076398	12 T	1/4 in	1/16 in	1-3/8 in	4-1/2 in	2 in	3-1/4 in	3 in	10.00 lb
1-3/8 in	5412235	020418076411	13-1/2 T	1/4 in	1/8 in	1-1/2 in	5-1/4 in	2-1/4 in	3-1/2 in	3-1/4 in	13.00 lb
1-1/2 in	5412435	020418076435	17 T	1/4 in	1/8 in	1-5/8 in	5-3/4 in	2-3/8 in	3-7/8 in	3-1/2 in	16.00 lb
1-3/4 in	5412835	020418076466	25 T	1/4 in	1/8 in	2 in	7 in	2-7/8 in	4-3/4 in	4 in	26.00 lb
2 in	5413235	020418076480	35 T	1/2 in	1/8 in	2-1/4 in	7-3/4 in	3-1/4 in	5-3/4 in	4-7/8 in	40.00 lb
2-1/2 in	5414035	020418076527	55 T	1/2 in	1/8 in	2-3/4 in	10-9/16 in	4-1/8 in	7-1/4 in	5-1/2 in	90.00 lb

Alloy Screw Pin Anchor Shackles, Galvanized, A-419-G

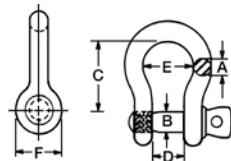


- Shackle Bodies Are Drop-Forged Alloy Steel
- Galvanized to Meet ASTM A-153 Specifications
- A-419-G Shackles Meet the Design Requirements of Federal Specification RR-C-271, Type IVA, Grade B, Class 2
- Working Load Limit, Size, Manufacture Name, Date Code, "CE" Mark, and USA Permanently Marked on Each Shackle
- Statistically Tested for Impact Resistance, Tensile Strength, Hardness, Ductility and Fatigue
- 419 Series Shackles Meet or Exceed All Manufacturing Requirements of the ASME B30.26 "Rigging Hardware". These Include the Material Ductility Requirement (Section 26-1.1.2), the Design Factor Requirement (Section 26.1.2), the Identification Requirement (Section 26-1.5.1), and the Effective Temperature Range (Section 26-1.6.1). The Shackles Can Be Proof Tested in Accordance with Section 26-1.4
- Certification Available Upon Request
- 5 to 1 Design Factor
- Pins and Bolts Are Heat-Treated and Made of Alloy Steel and Painted Orange
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Working Load Limit (Metric Tons)	Length Tolerance (+/-)	Width Tolerance (+/-)	B Dim.	C Dim.	D Dim.	E Dim.	F Dim.	Weight Each
3/8 in	5410695	020418182136	2 t	1/8 in	1/16 in	7/16 in	1-7/16 in	21/32 in	31/32 in	15/16 in	0.31 lb
1/2 in	5410895	020418182143	3-1/3 t	1/8 in	1/16 in	5/8 in	1-15/16 in	13/16 in	1-1/4 in	1-1/4 in	0.70 lb
5/8 in	5411095	020418267420	5 t	1/8 in	1/16 in	3/4 in	2-3/8 in	1-1/16 in	1-11/16 in	1-1/2 in	1.40 lb
3/4 in	5411295	020418182150	7 t	1/4 in	1/16 in	7/8 in	2-13/16 in	1-1/4 in	1-13/16 in	1-3/4 in	2.00 lb
7/8 in	5411495	020418267437	9-1/2 t	1/4 in	1/16 in	1 in	3-5/16 in	1-7/16 in	2-9/32 in	2-3/32 in	3.60 lb
1 in	5411695	020418182167	12-1/2 t	1/4 in	1/16 in	1-1/8 in	3-3/4 in	1-11/16 in	2-1/2 in	2-3/8 in	5.70 lb
1-1/4 in	5412095	020418182174	18 t	1/4 in	1/16 in	1-3/8 in	4-1/2 in	2 in	3-1/4 in	3 in	10.50 lb
1-3/8 in	5412295	020418267444	21 t	1/4 in	1/8 in	1-1/2 in	5-1/4 in	2-1/4 in	3-5/8 in	3-5/16 in	13.30 lb
1-1/2 in	5412495	020418267451	30 t	1/4 in	1/8 in	1-5/8 in	5-3/4 in	2-3/8 in	3-7/8 in	3-5/8 in	18.90 lb
2 in	5413295	020418267468	55 t	1/4 in	1/8 in	2-1/4 in	7-3/4 in	3-1/4 in	5-3/4 in	4-7/8 in	50.00 lb

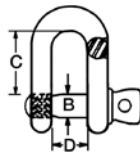
Stainless Steel Screw Pin Anchor Shackles (Import)



- Forged Type 316 Stainless Steel
- Electro-Polish Finish
- Imported
- DO NOT EXCEED THE WORKING LOAD LIMIT

Trade Size	Cat. No.	UPC No.	Working Load Limit (Short Tons)	Length Tolerance (+/-)	Width Tolerance (+/-)	B Dim.	C Dim.	D Dim.	E Dim.	F Dim.	Weight Each
1/4 in	6402104	020418093654	1/2 T	1/16 in	1/16 in	5/16 in	1-1/8 in	1/2 in	3/4 in	11/16 in	0.12 lb
3/8 in	6402106	020418093678	3/4 T	1/8 in	1/16 in	7/16 in	1-7/16 in	21/32 in	31/32 in	15/16 in	0.31 lb
7/16 in	6402107	020418093685	1 T	1/8 in	1/16 in	1/2 in	1-3/4 in	23/32 in	1-5/32 in	1-1/8 in	0.50 lb
1/2 in	6402108	020418093692	1-1/2 T	1/8 in	1/16 in	5/8 in	1-15/16 in	13/16 in	1-1/4 in	1-1/4 in	0.72 lb
5/8 in	6402110	020418093708	2 T	1/8 in	1/16 in	3/4 in	2-7/16 in	1-1/16 in	1-9/16 in	1-7/16 in	1.38 lb
3/4 in	6402112	020418093715	3 T	1/4 in	1/16 in	7/8 in	2-13/16 in	1-1/4 in	1-13/16 in	1-3/4 in	2.22 lb

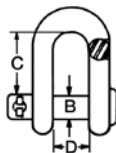
Carbon Screw Pin Chain Shackles, Galvanized, C-422-G



- Shackle Bodies Are Drop-Forged Carbon Steel
- Galvanized to Meet ASTM A-153 Specifications
- C-422-G Shackles Meet the Design Requirements of Federal Specification RR-C-271, Type IVB, Grade A, Class 2
- Working Load Limit, Size, Manufacture Name, Date Code and USA Permanently Marked on Each Shackle
- Statistically Tested for Impact Resistance, Tensile Strength, Hardness, Ductility and Fatigue
- 422 Series Shackles Meet or Exceed All Manufacturing Requirements of the American Society for Mechanical Engineers (Asme) B30.26 "Rigging Hardware". These Include the Material Ductility Requirement (Section 26-1.1.2), the Design Factor Requirement (Section 26-1.2), the Identification Requirement (Section 26-1.5.1) and the Effective Temperature Range (Section 26-1.6.1) the Shackles Can Be Proof Tested in Accordance with Section 26-1.4
- Certification Available Upon Request
- 6 to 1 Design Factor
- Pins and Bolts Are Heat-Treated and Made of Alloy Steel
- Made in the USA

Trade Size	Cat. No.	UPC No.	Working Load Limit (Short Tons)	Length Tolerance (+/-)	Width Tolerance (+/-)	B Dim.	C Dim.	D Dim.	Weight Each
5/16 in	5430535	020418076923	3/4 T	1/16 in	1/16 in	3/8 in	1 in	17/32 in	0.17 lb
3/8 in	5430635	020418076947	1 T	1/8 in	1/16 in	7/16 in	1-1/4 in	21/32 in	0.30 lb
1/2 in	5430835	020418076985	2 T	1/8 in	1/16 in	5/8 in	1-11/16 in	13/16 in	0.75 lb
5/8 in	5431035	020418077005	3-1/4 T	1/8 in	1/16 in	3/4 in	2 in	1-1/16 in	1.25 lb
1 in	5431635	020418077067	8-1/2 T	1/4 in	1/16 in	1-1/8 in	3-1/4 in	1-11/16 in	4.50 lb

Carbon Round Pin Chain Shackles, Self-Colored, C-416-S



- Shackle Bodies Are Drop-Forged Carbon Steel
- Self Colored (Painted Blue)
- C-416-S Shackles Meet the Design Requirements of Federal Specification RR-C-271, Type IVB, Grade A, Class 1
- Working Load Limit, Size, Manufacture Name, Date Code and USA Permanently Marked on Each Shackle Meeting or Exceeding Requirements of ASME 30.26
- Statistically Tested for Impact Resistance, Tensile Strength, Hardness, Ductility and Fatigue
- Certification Available Upon Request
- 6 to 1 Design Factor
- Pins and Bolts Are Heat-Treated and Made of Alloy Steel
- Made in the USA

Trade Size	Cat. No.	UPC No.	Working Load Limit (Short Tons)	Length Tolerance (+/-)	Width Tolerance (+/-)	B Dim.	C Dim.	D Dim.	Weight Each
5/16 in	5420505	020418076558	3/4 T	1/16 in	1/16 in	3/8 in	1 in	17/32 in	0.17 lb
3/8 in	5420605	020418076572	1 T	1/8 in	1/16 in	7/16 in	1-1/4 in	21/32 in	0.29 lb
7/16 in	5420705	020418076596	1-1/2 T	1/8 in	1/16 in	1/2 in	1-1/2 in	23/32 in	0.40 lb
1/2 in	5420805	020418076619	2 T	1/8 in	1/16 in	5/8 in	1-11/16 in	13/16 in	0.60 lb

TECH INFORMATION

Hoist Hooks



EYE HOIST HOOK

SWIVEL HOIST HOOK

1st letter indicates material, number is type, last letter indicates finish

Eye Hoist - Unlatched	C-1010-S	A-1010-0	
Eye Hoist - Latched	C-1015-S	C-1015-G	A-1015-0
Swivel Hoist - Unlatched	C-1013-S	A-1013-0	
Swivel Hoist - Latched	C-1014-S	A-1014-0	

Campbell hoist hooks are all drop-forged and heat treated. All hooks are drilled for latch assembly.

IMPORTANT: Instructions For Use

1. For hooks with latches, the latch is only designed to retain slings and rigging attachments. The latch must not support the load.
2. Swivel hoist hooks are *not* designed to swivel under load.
3. *Do not exceed working load limit (WLL).* See table below.

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING HOIST HOOKS.

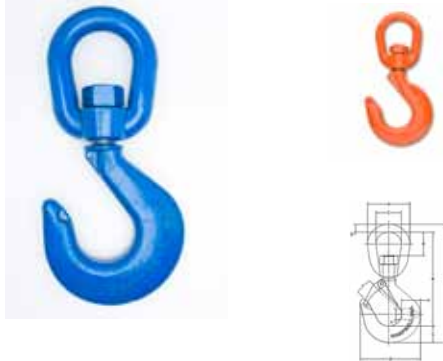
⚠ WARNING

- Failure to follow the instructions for use and these warnings may cause death or serious injury.
- Use hoist hooks only as indicated.
- Never point load a hook.
- Do not use hooks for lifting personnel.
- Hooks must always be inspected for wear, distortion and damage before use. If worn, distorted or damaged, discard and replace.
- Do not weld on hooks. If a hook is exposed to weld spatter, discard that hook.
- Always stand clear of loads being lifted.

Working Load Limits — Swivels

Size	Carbon Steel WLL		Alloy WLL	
	ton	kg	ton	kg
2/22	3/4	680	1	907
3/23	1	907	1-1/2	1361
4/24	1-1/2	1361	2	1814
5/25	2	1814	3	2722
6/26	2-1/2	2268	4	3629
7/27	3	2722	4-1/2	4082
9/29	5	4536	7	6350
11/31	7-1/2	6804	11	9979
12/32	10	9072	15	13608
34	-	-	22	19958

Swivel Hoist Hooks, C-1013-S, A-1013-0



- Drop Forged Carbon Steel or Alloy and Heat Treated
- Carbon Steel Hooks Are Painted Blue; Alloy Hooks Are Painted Orange
- Design Factor: 5 to 1
- All Hooks Are Drilled for Integrated Latch Kits
- The Latch Is Only Designed to Retain Slings and Rigging Attachments. The Latch Must Not Support the Load.
- Swivel Hoist Hooks ARE NOT Designed to Swivel Under Load.
- DO NOT EXCEED THE WORKING LOAD LIMIT

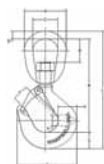


Trade Size	Cat. No.	UPC No.	Material	Finish	Working Load Limit (Short Tons)	Latch Marking	Replacement Latch No.
4	3950415IL	020418239236	Alloy Steel	Painted Orange	2 T	CC-4	7506495
5	3950515IL	020418237966	Alloy Steel	Painted Orange	3 T	CC-4	7506495
7	3940705IL	020418240508	Carbon Steel	Painted Blue	3 T	CC-5	7506695
7	3950715IL	020418240492	Alloy Steel	Painted Orange	4-1/2 T	CC-5	7506695
9	3940905IL	020418240539	Carbon Steel	Painted Blue	5 T	CC-7	7506895
11	3941105IL	020418240416	Carbon Steel	Painted Blue	7-1/2 T	CC-8	7507095
11	3951115IL	020418240522	Alloy Steel	Painted Orange	11 T	CC-8	7507095
12	3951215IL	020418240515	Alloy Steel	Painted Orange	15 T	CC-9	7507295

Swivel Hoist Hooks, C-1013-S, A-1013-O Continued

Trade Size	Cat. No.	A Dim.	B Dim.	C Dim.	D Dim.	E Dim.	F Dim.	G Dim.	H Dim.	K Dim.	L Dim.	R Dim.	S Dim.
4	3950415IL	2-1/2 in	1-1/4 in	1-1/2 in	3-9/16 in	1-1/8 in	1-1/32 in	1-1/32 in	1-1/8 in	11/16 in	7-5/16 in	5-13/16 in	1/2 in
5	3950515IL	3 in	1-5/8 in	1-3/4 in	4 in	1-1/4 in	1-1/8 in	1-5/32 in	1-5/16 in	13/16 in	8-3/16 in	6-7/16 in	5/8 in
7	3940705IL	3-1/2 in	1-3/4 in	2 in	4-15/16 in	1-17/32 in	1-15/16 in	1-7/16 in	1-5/8 in	1-1/16 in	9-7/16 in	8 in	3/4 in
7	3950715IL	3-1/2 in	1-3/4 in	2 in	4-15/16 in	1-17/32 in	1-15/16 in	1-7/16 in	1-5/8 in	1-1/16 in	9-7/16 in	8 in	3/4 in
9	3940905IL	4-1/2 in	2-1/4 in	2-1/2 in	6-15/32 in	1-31/32 in	1-21/32 in	1-13/16 in	2-1/8 in	1-3/8 in	12-3/8 in	9-5/8 in	1 in
11	3941105IL	5-5/8 in	2-27/32 in	3-1/8 in	7-11/32 in	2-1/8 in	2 in	2-1/4 in	2-5/8 in	1-1/2 in	15 in	11-9/16 in	1-1/4 in
11	3951115IL	5-5/8 in	2-27/32 in	3-1/8 in	7-11/32 in	2-1/8 in	2 in	2-1/4 in	2-5/8 in	1-1/2 in	15 in	11-9/16 in	1-1/4 in
12	3951215IL	5-5/8 in	2-3/4 in	3-1/8 in	7-13/16 in	2-9/16 in	2-1/8 in	2-9/16 in	2-15/16 in	1-13/16 in	16-1/32 in	12-1/4 in	1-1/4 in

Swivel Hoist Hooks - Latched, C-1014-S, A-1014-O



- Drop Forged Carbon Steel or Alloy and Heat Treated
- Carbon Steel Hooks Are Painted Blue; Alloy Hooks Are Painted Orange
- Design Factor: 5 to 1
- All Hooks Are Drilled for Integrated Latch Kits
- The Latch Is Only Designed to Retain Slings and Rigging Attachments. The Latch Must Not Support the Load.
- Swivel Hoist Hooks ARE NOT Designed to Swivel Under Load.
- DO NOT EXCEED THE WORKING LOAD LIMIT

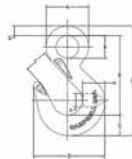


Trade Size	Cat. No.	UPC No.	Material	Finish	Working Load Limit (Short Tons)	Latch Marking	Replacement Latch No.
2	3942205IL	020418236242	Carbon Steel	Painted Blue	3/4 T	CC-3	T7502101
2	3952215IL	020418236204	Alloy Steel	Painted Orange	1 T	CC-3	T7502101
3	3942305IL	020418236792	Carbon Steel	Painted Blue	1 T	CC-3	T7502101
3	3952315IL	020418236747	Alloy Steel	Painted Orange	1-1/2 T	CC-3	T7502101
4	3942405IL	020418239243	Carbon Steel	Painted Blue	1-1/2 T	CC-4	7506495
4	3952415IL	020418239250	Alloy Steel	Painted Orange	2 T	CC-4	7506495
5	3942505IL	020418238017	Carbon Steel	Painted Blue	2 T	CC-4	7506495
5	3952515IL	020418238000	Alloy Steel	Painted Orange	3 T	CC-4	7506495
7	3942705IL	020418240485	Carbon Steel	Painted Blue	3 T	CC-5	7506695
7	3952715IL	020418240454	Alloy Steel	Painted Orange	4-1/2 T	CC-5	7506695
9	3942905IL	020418240478	Carbon Steel	Painted Blue	5 T	CC-7	7506895
9	3952915IL	020418240447	Alloy Steel	Painted Orange	7 T	CC-7	7506895
11	3953115IL	020418240430	Alloy Steel	Painted Orange	11 T	CC-8	7507095
12	3943205IL	020418240461	Carbon Steel	Painted Blue	10 T	CC-9	7507295
12	3953215IL	020418240423	Alloy Steel	Painted Orange	15 T	CC-9	7507295

Swivel Hoist Hooks - Latched, C-1014-S, A-1014-O Continued

Trade Size	Cat. No.	A Dim.	B Dim.	C Dim.	D Dim.	E Dim.	F Dim.	G Dim.	H Dim.	K Dim.	L Dim.	R Dim.	S Dim.
2	3942205IL	2 in	1 in	1-1/4 in	2-15/16 in	1-1/32 in	7/8 in	25/32 in	29/32 in	9/16 in	5-5/8 in	4-5/8 in	3/8 in
2	3952215IL	2 in	1 in	1-1/4 in	2-15/16 in	1-1/32 in	7/8 in	25/32 in	29/32 in	9/16 in	5-5/8 in	4-5/8 in	3/8 in
3	3942305IL	2-1/2 in	1-1/4 in	1-1/2 in	3-1/4 in	1-1/32 in	7/8 in	27/32 in	31/32 in	5/8 in	6-11/16 in	5-7/16 in	1/2 in
3	3952315IL	2-1/2 in	1-1/4 in	1-1/2 in	3-1/4 in	1-1/32 in	7/8 in	27/32 in	31/32 in	5/8 in	6-11/16 in	5-7/16 in	1/2 in
4	3942405IL	2-1/2 in	1-1/4 in	1-1/2 in	3-9/16 in	1-1/8 in	1-1/32 in	1-1/32 in	1-1/8 in	11/16 in	7-5/16 in	5-13/16 in	1/2 in
4	3952415IL	2-1/2 in	1-1/4 in	1-1/2 in	3-9/16 in	1-1/8 in	1-1/32 in	1-1/32 in	1-1/8 in	11/16 in	7-5/16 in	5-13/16 in	1/2 in
5	3942505IL	3 in	1-5/8 in	1-3/4 in	4 in	1-1/4 in	1-1/8 in	1-5/32 in	1-5/16 in	13/16 in	8-3/16 in	6-7/16 in	5/8 in
5	3952515IL	3 in	1-5/8 in	1-3/4 in	4 in	1-1/4 in	1-1/8 in	1-5/32 in	1-5/16 in	13/16 in	8-3/16 in	6-7/16 in	5/8 in
7	3942705IL	3-1/2 in	1-3/4 in	2 in	4-15/16 in	1-17/32 in	1-15/16 in	1-7/16 in	1-5/8 in	1-1/16 in	9-7/16 in	8 in	3/4 in
7	3952715IL	3-1/2 in	1-3/4 in	2 in	4-15/16 in	1-17/32 in	1-15/16 in	1-7/16 in	1-5/8 in	1-1/16 in	9-7/16 in	8 in	3/4 in
9	3942905IL	4-1/2 in	2-1/4 in	2-1/2 in	6-15/32 in	1-31/32 in	1-21/32 in	1-13/16 in	2-1/8 in	1-3/8 in	12-3/8 in	9-5/8 in	1 in
9	3952915IL	4-1/2 in	2-1/4 in	2-1/2 in	6-15/32 in	1-31/32 in	1-21/32 in	1-13/16 in	2-1/8 in	1-3/8 in	12-3/8 in	9-5/8 in	1 in
11	3953115IL	5-5/8 in	2-27/32 in	3-1/8 in	7-11/32 in	2-1/8 in	2 in	2-1/4 in	2-5/8 in	1-1/2 in	15 in	11-9/16 in	1-1/4 in
12	3943205IL	5-5/8 in	2-3/4 in	3-1/8 in	7-13/16 in	2-9/16 in	2-1/8 in	2-9/16 in	2-15/16 in	1-13/16 in	16-1/32 in	12-1/4 in	1-1/4 in
12	3953215IL	5-5/8 in	2-3/4 in	3-1/8 in	7-13/16 in	2-9/16 in	2-1/8 in	2-9/16 in	2-15/16 in	1-13/16 in	16-1/32 in	12-1/4 in	1-1/4 in

Eye Hoist Hooks, C-1010-S, A-1010-O



- Drop Forged Carbon Steel or Alloy and Heat Treated
- Carbon Steel Hooks Are Painted Blue; Alloy Hooks Are Painted Orange
- 5 to 1 Design Factor
- All Hooks Are Drilled for Integrated Latch Kits
- The Latch Is Only Designed to Retain Slings and Rigging Attachments. The Latch Must Not Support the Load.
- DO NOT EXCEED THE WORKING LOAD LIMIT

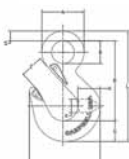


Trade Size	Cat. No.	UPC No.	Material	Finish	Working Load Limit (Short Tons)	Latch Marking	Replacement Latch No.	Weight Each
27	3922715IL	020418240614	Alloy Steel	Painted Orange	4-1/2 T	CC-5	7506695	4.00 lb
29	3912905IL	020418240546	Carbon Steel	Painted Blue	5 T	CC-7	7506895	8.00 lb
29	3922915IL	020418240607	Alloy Steel	Painted Orange	7 T	CC-7	7506895	8.00 lb
31	3913105IL	020418240560	Carbon Steel	Painted Blue	7-1/2 T	CC-8	7507095	13.00 lb
31	3923115IL	020418240591	Alloy Steel	Painted Orange	11 T	CC-8	7507095	13.00 lb
32	3913205IL	020418240553	Carbon Steel	Painted Blue	10 T	CC-9	7507295	18.00 lb
32	3923215IL	020418240584	Alloy Steel	Painted Orange	15 T	CC-9	7507295	18.00 lb
34	3923415IL	020418240577	Alloy Steel	Painted Orange	22 T	CC-34	7507495	36.00 lb

Eye Hoist Hooks, C-1010-S, A-1010-O Continued

Trade Size	Cat. No.	A Dim.	B Dim.	D Dim.	E Dim.	G Dim.	H Dim.	K Dim.	L Dim.	R Dim.	S Dim.
27	3922715IL	2-15/16 in	1-9/16 in	4-15/16 in	1-17/32 in	1-7/16 in	1-5/8 in	1-1/16 in	7-25/32 in	5-21/32 in	11/16 in
29	3912905IL	3-3/4 in	2 in	6-15/32 in	1-31/32 in	1-13/16 in	2-1/8 in	1-3/8 in	9-7/8 in	7-3/16 in	7/8 in
29	3922915IL	3-3/4 in	2 in	6-15/32 in	1-31/32 in	1-13/16 in	2-1/8 in	1-3/8 in	9-7/8 in	7-3/16 in	7/8 in
31	3913105IL	4-5/8 in	2-7/16 in	7-11/32 in	2-1/8 in	2-1/4 in	2-5/8 in	1-1/2 in	12-7/32 in	9 in	1-3/32 in
31	3923115IL	4-5/8 in	2-7/16 in	7-11/32 in	2-1/8 in	2-1/4 in	2-5/8 in	1-1/2 in	12-7/32 in	9 in	1-3/32 in
32	3913205IL	5-11/32 in	2-3/4 in	7-13/16 in	2-9/16 in	2-9/16 in	2-15/16 in	1-13/16 in	13-7/8 in	11-1/8 in	1-1/4 in
32	3923215IL	5-11/32 in	2-3/4 in	7-13/16 in	2-9/16 in	2-9/16 in	2-15/16 in	1-13/16 in	13-7/8 in	11-1/8 in	1-1/4 in
34	3923415IL	6-3/4 in	3-5/32 in	11-7/16 in	3-7/16 in	3-7/32 in	3-25/32 in	2-7/32 in	16-29/32 in	12-1/16 in	1-5/8 in

Eye Hoist Hooks - Latched, C-1015-S, C-1015-G, A-1015-O



- Drop Forged Carbon Steel or Alloy and Heat Treated
- Carbon Steel Hooks Painted Blue or Galvanized to Astm A-153 Specifications; Alloy Hooks Are Painted Orange
- 5 to 1 Design Factor
- All Hooks Are Drilled for Integrated Latch Kits
- The Latch Is Only Designed to Retain Slings and Rigging Attachments. The Latch Must Not Support the Load.
- DO NOT EXCEED THE WORKING LOAD LIMIT



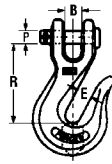
Trade Size	Cat. No.	UPC No.	Material	Finish	Working Load Limit (Short Tons)	Latch Marking	Replacement Latch No.	Weight Each
22	3914205IL	020418236211	Carbon Steel	Painted Blue	3/4 T	CC-3	T7502101	0.65 lb
22	3914235IL	020418236228	Carbon Steel	Galvanized	3/4 T	CC-3	T7502101	0.65 lb
22	3924215IL	020418236235	Alloy Steel	Painted Orange	1 T	CC-3	T7502101	0.65 lb
23	3914305IL	020418236785	Carbon Steel	Painted Blue	1 T	CC-3	T7502101	0.80 lb
23	3914335IL	020418236778	Carbon Steel	Galvanized	1 T	CC-3	T7502101	0.80 lb
23	3924315IL	020418236761	Alloy Steel	Painted Orange	1-1/2 T	CC-3	T7502101	0.80 lb
24	3914405IL	020418239274	Carbon Steel	Painted Blue	1-1/2 T	CC-4	7506495	1.05 lb
24	3914435IL	020418239267	Carbon Steel	Galvanized	1-1/2 T	CC-4	7506495	1.05 lb
24	3924415IL	020418239229	Alloy Steel	Painted Orange	2 T	CC-4	7506495	1.05 lb
25	3914505IL	020418237997	Carbon Steel	Painted Blue	2 T	CC-4	7506495	1.69 lb
25	3914535IL	020418237980	Carbon Steel	Galvanized	2 T	CC-4	7506495	1.69 lb
25	3924515IL	020418237973	Alloy Steel	Painted Orange	3 T	CC-4	7506495	1.69 lb
27	3914705IL	020418240713	Carbon Steel	Painted Blue	3 T	CC-5	7506695	4.00 lb
27	3914735IL	020418240690	Carbon Steel	Galvanized	3 T	CC-5	7506695	4.00 lb
27	3924715IL	020418240706	Alloy Steel	Painted Orange	4-1/2 T	CC-5	7506695	4.00 lb
29	3914905IL	020418240683	Carbon Steel	Painted Blue	5 T	CC-7	7506895	8.00 lb
29	3924915IL	020418240676	Alloy Steel	Painted Orange	7 T	CC-7	7506895	8.00 lb
31	3915105IL	020418240669	Carbon Steel	Painted Blue	7-1/2 T	CC-8	7507095	13.00 lb
31	3925115IL	020418240652	Alloy Steel	Painted Orange	11 T	CC-8	7507095	13.00 lb

Eye Hoist Hooks - Latched, C-1015-S, C-1015-G, A-1015-O Continued

Trade Size	Cat. No.	UPC No.	Material	Finish	Working Load Limit (Short Tons)	Latch Marking	Replacement Latch No.	Weight Each
32	3915205IL	020418240638	Carbon Steel	Painted Blue	10 T	CC-9	7507295	18.00 lb
32	3925215IL	020418240645	Alloy Steel	Painted Orange	15 T	CC-9	7507295	18.00 lb
34	3925415IL	020418240621	Alloy Steel	Painted Orange	22 T	CC-34	7507495	36.00 lb

Trade Size	Cat. No.	A Dim.	B Dim.	D Dim.	E Dim.	G Dim.	H Dim.	K Dim.	L Dim.	R Dim.	S Dim.
22	3914205IL	1-11/16 in	15/16 in	2-15/16 in	1-1/32 in	25/32 in	29/32 in	9/16 in	4-29/64 in	3-5/16 in	3/8 in
22	3914235IL	1-11/16 in	15/16 in	2-15/16 in	1-1/32 in	25/32 in	29/32 in	9/16 in	4-29/64 in	3-5/16 in	3/8 in
22	3924215IL	1-11/16 in	15/16 in	2-15/16 in	1-1/32 in	25/32 in	29/32 in	9/16 in	4-29/64 in	3-5/16 in	3/8 in
23	3914305IL	1-13/16 in	15/16 in	3-1/4 in	1-1/32 in	25/32 in	31/32 in	5/8 in	4-21/32 in	3-3/8 in	7/16 in
23	3914335IL	1-13/16 in	15/16 in	3-1/4 in	1-1/32 in	25/32 in	31/32 in	5/8 in	4-21/32 in	3-3/8 in	7/16 in

Clevis Grab Hooks, C-473-S, C-473-Z, A-473-O

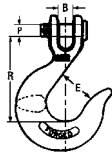


- Material is Drop-Forged Carbon Steel (Grade 30 & 43) or Heat-Treated Alloy Steel
- Grade 30 & 43 Hooks Available Self-Colored or Zinc-Plated
- Alloy Hooks Are Painted Orange and Stamped "Alloy"; 3.5 to 1 Design Factor
- Alloy Hook Sizes 1/4" to 3/8" are Supplied Individually Bagged and Unassembled
- Self-Colored Finish Hooks Are Bulk Packed, Zinc Plated Hooks Are Packed 10 Per Box
- Grab Hooks Are Designed to Grab a Chain Link and Hold it in Place
- Hooks are Sized by the Material Diameter of the Chain That They Engage. Make Sure the Hook Size and Chain Diameter are Compatible Before Attaching to Load
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Material	Finish	Working Load Limit	B Dim.	E Dim.	P Dim.	R Dim.	Weight Each	Shelf Pack Qty.
1/4 in	4500404	020418073878	Carbon Steel	Self-Colored	2600 lb	3/8 in	11/32 in	5/16 in	1-23/32 in	0.38 lb	10
1/4 in	4500405	020418073885	Carbon Steel	Self-Colored	2600 lb	3/8 in	11/32 in	5/16 in	1-23/32 in	0.38 lb	-
1/4 in	4500424	020418073892	Carbon Steel	Zinc Plated	2600 lb	3/8 in	11/32 in	5/16 in	1-23/32 in	0.38 lb	10
1/4 in	4503315	020418074103	Alloy Steel	Painted Orange	4100 lb	3/8 in	11/32 in	5/16 in	1-23/32 in	0.38 lb	-
5/16 in	4500504	020418073915	Carbon Steel	Self-Colored	3900 lb	15/32 in	7/16 in	3/8 in	1-31/32 in	0.60 lb	10
5/16 in	4500505	020418073922	Carbon Steel	Self-Colored	3900 lb	15/32 in	7/16 in	3/8 in	1-31/32 in	0.60 lb	-
5/16 in	4500524	020418073939	Carbon Steel	Zinc Plated	3900 lb	15/32 in	7/16 in	3/8 in	1-31/32 in	0.60 lb	10
5/16 in	4503415	020418074110	Alloy Steel	Painted Orange	5100 lb	15/32 in	7/16 in	3/8 in	1-31/32 in	0.60 lb	-
3/8 in	4500604	020418073953	Carbon Steel	Self-Colored	5400 lb	17/32 in	1/2 in	7/16 in	2-1/4 in	0.92 lb	-
3/8 in	4500605	020418073960	Carbon Steel	Self-Colored	5400 lb	17/32 in	1/2 in	7/16 in	2-1/4 in	0.92 lb	-
3/8 in	4500624	020418073977	Carbon Steel	Zinc Plated	5400 lb	17/32 in	1/2 in	7/16 in	2-1/4 in	0.92 lb	-
3/8 in	4503515	020418074127	Alloy Steel	Painted Orange	7100 lb	17/32 in	1/2 in	7/16 in	2-1/4 in	0.92 lb	-
7/16 in	4503615	020418074134	Alloy Steel	Painted Orange	10000 lb	19/32 in	19/32 in	1/2 in	2-5/8 in	1.50 lb	-
1/2 in	4500804	020418074035	Carbon Steel	Self-Colored	9200 lb	21/32 in	21/32 in	9/16 in	3-1/64 in	2.00 lb	-
1/2 in	4500805	020418074042	Carbon Steel	Self-Colored	9200 lb	21/32 in	21/32 in	9/16 in	3-1/64 in	2.00 lb	-
1/2 in	4503715	020418074141	Alloy Steel	Painted Orange	12000 lb	21/32 in	21/32 in	9/16 in	3-1/64 in	2.00 lb	-
5/8 in	4501005	020418074073	Carbon Steel	Self-Colored	11500 lb	13/16 in	25/32 in	3/4 in	3-25/32 in	3.90 lb	-
5/8 in	4503815	020418074158	Alloy Steel	Painted Orange	18100 lb	13/16 in	25/32 in	3/4 in	3-25/32 in	3.90 lb	-
3/4 in	4503915	020418074165	Alloy Steel	Painted Orange	28300 lb	15/16 in	15/16 in	13/16 in	4-25/32 in	6.34 lb	-

Clevis Slip Hooks, A-476-0

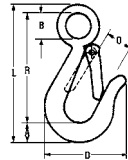


- Material is Heat-Treated Alloy Steel
- Alloy Hooks Are Painted Orange and Stamped "AH"
- 1/4" to 3/8" Hooks Have Drilled Hole for Latch Kit
- Design Factor: 3.5 to 1
- Slip Hooks Are Designed to Allow Chain to Slip Through the Hook
- Hooks are Sized by the Material Diameter of the Chain That They Engage. Make Sure the Hook Size and Chain Diameter are Compatible Before Attaching to Load
- DO NOT EXCEED THE WORKING LOAD LIMIT



Trade Size	Cat. No.	UPC No.	Material	Finish	Working Load Limit	B Dim.	E Dim.	P Dim.	R Dim.	Weight Each
1/4 in	4403315	020418073816	Alloy Steel	Painted Orange	4100 lb	3/8 in	15/16 in	5/16 in	1-23/32 in	0.60 lb
5/16 in	4403415	020418073823	Alloy Steel	Painted Orange	5100 lb	7/16 in	1-1/16 in	3/8 in	3 in	0.90 lb
3/8 in	4403515	020418073830	Alloy Steel	Painted Orange	7100 lb	1/2 in	1-1/4 in	7/16 in	3-13/32 in	1.44 lb
7/16 in	4403615	020418073847	Alloy Steel	Painted Orange	10000 lb	9/16 in	1-1/2 in	1/2 in	3-5/8 in	2.12 lb
1/2 in	4403715	020418073854	Alloy Steel	Painted Orange	13000 lb	5/8 in	1-3/4 in	9/16 in	4-3/32 in	3.12 lb
5/8 in	4403815	020418073861	Alloy Steel	Painted Orange	20300 lb	3/4 in	2 in	3/4 in	4-13/16 in	5.00 lb

Snap Hooks, C-478-G

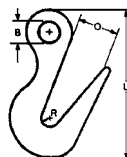


- Drop Forged Heat-Treated Carbon Steel
- Galvanized to ASTM A-153 Specifications
- 5 to 1 Design Factor
- Made in the USA



Trade Size	Cat. No.	UPC No.	Finish	Working Load Limit	Replacement Latch No.	B Dim.	D Dim.	L Dim.	O Dim.	R Dim.	Weight Each	Shelf Pack Qty.
7/16 in	4530734	020418176722	Hot Galvanized	750 lb	3991401	3/4 in	2-7/16 in	4-1/16 in	21/32 in	3-1/4 in	0.28 lb	10
7/16 in	4530735	020418074196	Hot Galvanized	750 lb	3991401	3/4 in	2-7/16 in	4-1/16 in	21/32 in	3-1/4 in	0.28 lb	-
9/16 in	4530935	020418074202	Hot Galvanized	1000 lb	3991402	1-1/8 in	2-31/32 in	5-1/32 in	1 in	4-1/32 in	0.45 lb	-

Sorting Hooks, A-479-0



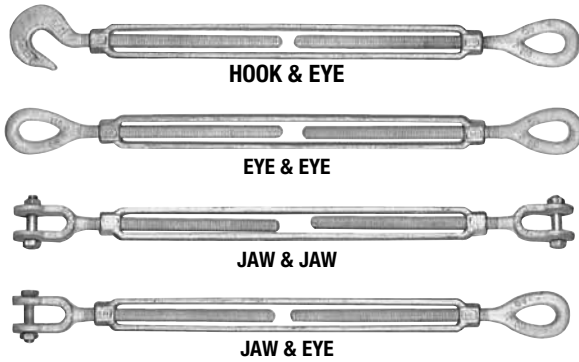
- Drop Forged Heat-Treated Alloy Steel
- Standard Finish is Painted Orange
- 5 to 1 Design Factor
- Available with Handle for Safety and Control
- Made in the USA
- Handle is Not to Be Used for Supporting Load



Cat. No.	UPC No.	Finish	Working Load Limit - Bottom	Working Load Limit - Tip	B Dim.	L Dim.	O Dim.	R Dim.	Weight Each
3899500	020418070723	Painted Orange	7-1/2 T	2 T	1-3/8 in	9-3/4 in	2-13/16 in	5/8 in	6.00 lb
3899501	020418193040	Painted Orange	7-1/2 T	2 T	1-3/8 in	9-3/4 in	2-13/16 in	5/8 in	6.25 lb

TECH INFORMATION

Turnbuckles



- Hook & Eye C-778-G
- Eye & Eye C-780-G
- Jaw & Jaw C-788-G
- Jaw & Eye C-786-G

Working Load Limits (lb and kg) of Turnbuckles

Turnbuckle Size in.	Carbon Eye & Eye Jaw & Eye Jaw & Jaw		Carbon Hook & Hook Hook & Eye	
	lb	kg	lb	kg
1/4 x 4	500	227	400	182
5/16 x 4-1/2	800	363	700	318
3/8 x 6	1200	545	1000	454
1/2 x 6, 9, 12	2200	999	1500	681
5/8 x 6, 9, 12, 18	3500	1589	2300	1044
3/4 x 6, 9, 12, 18, 24	5200	2361	3000	1362
7/8 x 12, 18	7200	3269	3600	1634
1 x 6, 12, 18, 24	10000	4540	4200	1907
1 1/4 x 12, 18, 24	15200	6901	5000	2270

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING TURNBUCKLES.

Campbell carbon turnbuckles are all drop-forged and meet the design requirements of Federal Specification ASTM F-1145, Type 1, Grade 1. All types, except stub-end, are galvanized to ASTM A153 specifications.

IMPORTANT: Instructions For Use

1. Turnbuckles are designed for a static load and are typically used with guy wires.
2. Do not exceed working load limit (WLL). See table below.
3. In loads where there is vibration, lock nuts (jam nuts) should be used to prevent the connection from turning or loosening.
4. The jaw ends come with different hardware depending on their size. Jaws from 1/4" through 5/8" have a hex head bolt and nut. Jaws from 3/4" through 1-1/2" have cotter key and bolt.

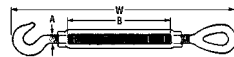


LOCK NUT

WARNING

- Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.
- Use turnbuckles only as indicated.
- Turnbuckles must always be inspected for wear, distortion, cracks and damage before use. If worn, distorted or damaged, discard and replace.
- Turnbuckles are not designed for angular loading, so the loading must be applied in a straight line.

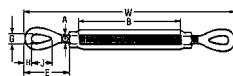
Hook & Eye Turnbuckles, C-778-G



- Drop-Forged Carbon Steel
- Galvanized to Meet ASTM A-153 Specifications
- 5 to 1 Design Factor
- Meets Design Requirements of ASTM F1145, Type 1, Grade 1, Class F
- IMPORTANT: Instructions For Use
- Turnbuckles are Designed for a Static Load
- In Loads Where There is Vibration, Lock Nuts (Jam Nuts) Should be Used to Prevent the Connection from Turning or Loosening
- DO NOT EXCEED THE WORKING LOAD LIMIT

Cat. No.	UPC No.	Finish	Working Load Limit	Thread Diameter (A)	Take Up (B)	Closed Position Length (W)	Weight Each
6250101	020418086564	Hot Galvanized	400 lb	1/4 in	4 in	7-13/16 in	0.29 lb
6250103	020418086588	Hot Galvanized	1000 lb	3/8 in	6 in	11-5/8 in	0.80 lb
6250105	020418086595	Hot Galvanized	1500 lb	1/2 in	6 in	13-1/8 in	1.56 lb
6250106	020418086601	Hot Galvanized	1500 lb	1/2 in	9 in	16-1/8 in	1.98 lb
6250107	020418086618	Hot Galvanized	1500 lb	1/2 in	12 in	19-1/8 in	2.46 lb
6250111	020418086649	Hot Galvanized	2300 lb	5/8 in	12 in	20-9/16 in	3.50 lb

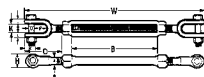
Eye & Eye Turnbuckles, C-780-G



- Drop-Forged Carbon Steel
- Galvanized to Meet ASTM A-153 Specifications
- 5 to 1 Design Factor
- Meets Design Requirements of ASTM F1145, Type 1, Grade 1, Class D
- IMPORTANT: Instructions For Use
- Turnbuckles are Designed for a Static Load
- In Loads Where There is Vibration, Lock Nuts (Jam Nuts) Should be Used to Prevent the Connection from Turning or Loosening
- DO NOT EXCEED THE WORKING LOAD LIMIT

Cat. No.	UPC No.	Finish	Working Load Limit	Thread Diameter (A)	Take Up (B)	Closed Position Length (W)	E Dim.	G Dim.	H Dim.	J Dim.	Weight Each
6250302	020418087059	Hot Galvanized	800 lb	5/16 in	4-1/2 in	9-7/16 in	2 in	15/32 in	9/32 in	15/16 in	0.45 lb
6250303	020418087066	Hot Galvanized	1200 lb	3/8 in	6 in	11-13/16 in	2-11/32 in	9/16 in	11/32 in	1-1/8 in	0.84 lb
6250305	020418087073	Hot Galvanized	2200 lb	1/2 in	6 in	13-7/16 in	2-31/32 in	3/4 in	7/16 in	1-7/16 in	1.50 lb
6250306	020418087080	Hot Galvanized	2200 lb	1/2 in	9 in	16-7/16 in	2-31/32 in	3/4 in	7/16 in	1-7/16 in	1.98 lb
6250307	020418087097	Hot Galvanized	2200 lb	1/2 in	12 in	19-7/16 in	2-31/32 in	3/4 in	7/16 in	1-7/16 in	2.46 lb
6250309	020418087103	Hot Galvanized	3500 lb	5/8 in	6 in	14-7/8 in	3-1/2 in	29/32 in	1/2 in	1-3/4 in	2.56 lb
6250313	020418087141	Hot Galvanized	5200 lb	3/4 in	6 in	16-3/4 in	4-1/4 in	1-1/32 in	5/8 in	2-1/8 in	3.80 lb
6250315	020418087165	Hot Galvanized	5200 lb	3/4 in	12 in	22-3/4 in	4-1/4 in	1-1/32 in	5/8 in	2-1/8 in	5.74 lb
6250324	020418087240	Hot Galvanized	10000 lb	1 in	24 in	38-1/2 in	5-3/4 in	1-15/32 in	7/8 in	3 in	16.00 lb
6250328	020418087264	Hot Galvanized	15200 lb	1-1/4 in	18 in	35-3/8 in	7 in	1-27/32 in	1-1/8 in	3-9/16 in	23.22 lb

Jaw & Jaw Turnbuckles, C-788-G



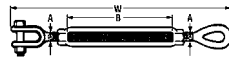
- Drop-Forged Carbon Steel
- Galvanized to Meet ASTM A-153 Specifications
- 5 to 1 Design Factor
- Meets Design Requirements of ASTM F1145, Type 1, Grade 1, Class G
- Jaws on Sizes 1/4" Through 5/8" Have Hex Head Bolt and Nut
- Jaws on Sizes 3/4" Through 1-1/2" Have Cotter Key and Bolt
- IMPORTANT: Instructions For Use
- Turnbuckles are Designed for a Static Load
- In Loads Where There is Vibration, Lock Nuts (Jam Nuts) Should be Used to Prevent the Connection from Turning or Loosening
- DO NOT EXCEED THE WORKING LOAD LIMIT

Cat. No.	UPC No.	Finish	Working Load Limit	Thread Diameter (A)	Take Up (B)	Closed Position Length (W)	Weight Each
6250501	020418087646	Hot Galvanized	500 lb	1/4 in	4 in	7-15/16 in	0.35 lb
6250502	020418087653	Hot Galvanized	800 lb	5/16 in	4-1/2 in	9-5/16 in	0.51 lb
6250503	020418087660	Hot Galvanized	1200 lb	3/8 in	6 in	11-3/16 in	0.94 lb
6250505	020418087677	Hot Galvanized	2200 lb	1/2 in	6 in	12-3/4 in	1.70 lb
6250506	020418087684	Hot Galvanized	2200 lb	1/2 in	9 in	15-3/4 in	2.15 lb
6250507	020418087691	Hot Galvanized	2200 lb	1/2 in	12 in	18-3/4 in	2.65 lb
6250510	020418087714	Hot Galvanized	3500 lb	5/8 in	9 in	17-3/4 in	3.49 lb
6250511	020418087721	Hot Galvanized	3500 lb	5/8 in	12 in	20-3/4 in	4.00 lb
6250513	020418087745	Hot Galvanized	5200 lb	3/4 in	6 in	15-3/4 in	4.43 lb
6250514	020418087752	Hot Galvanized	5200 lb	3/4 in	9 in	18-3/4 in	5.18 lb

Jaw & Jaw Turnbuckles, C-788-G Continued

Cat. No.	UPC No.	Finish	Working Load Limit	Thread Diameter (A)	Take Up (B)	Closed Position Length (W)	Weight Each
6250515	020418087769	Hot Galvanized	5200 lb	3/4 in	12 in	21-3/4 in	6.50 lb
6250516	020418087776	Hot Galvanized	5200 lb	3/4 in	18 in	27-3/4 in	7.60 lb
6250519	020418087790	Hot Galvanized	7200 lb	7/8 in	12 in	23-3/8 in	9.00 lb
6250520	020418087806	Hot Galvanized	7200 lb	7/8 in	18 in	29-3/8 in	12.08 lb
6250521	020418087813	Hot Galvanized	10000 lb	1 in	6 in	19-7/16 in	9.47 lb
6250522	020418087820	Hot Galvanized	10000 lb	1 in	12 in	25-7/16 in	12.90 lb
6250523	020418087837	Hot Galvanized	10000 lb	1 in	18 in	31-7/16 in	16.00 lb
6250524	020418087844	Hot Galvanized	10000 lb	1 in	24 in	37-7/16 in	17.85 lb
6250527	020418087851	Hot Galvanized	15200 lb	1-1/4 in	12 in	27-1/2 in	22.00 lb
6250528	020418087868	Hot Galvanized	15200 lb	1-1/4 in	18 in	33-1/2 in	25.60 lb
6250529	020418087875	Hot Galvanized	15200 lb	1-1/4 in	24 in	39-1/2 in	30.00 lb
6250533	020418087899	Hot Galvanized	21400 lb	1-1/2 in	18 in	37-1/4 in	40.70 lb
6250534	020418163890	Hot Galvanized	21400 lb	1-1/2 in	24 in	43-1/4 in	41.00 lb

Jaw & Eye Turnbuckles, C-786-G



- Drop-Forged Carbon Steel
- Galvanized to Meet ASTM A-153 Specifications
- 5 to 1 Design Factor
- See Figure C-780-G for Eye Dimensions
- See Figure C-788-G for Jaw Dimensions
- Jaws on Sizes 1/4" Through 5/8" Have Hex Head Bolt and Nut; Jaws on Sizes 3/4" Through 1-1/2" Have Cotter Key and Bolt
- IMPORTANT: Instructions For Use
- Turnbuckles are Designed for a Static Load
- In Loads Where There is Vibration, Lock Nuts (Jam Nuts) Should be Used to Prevent the Connection from Turning or Loosening
- DO NOT EXCEED THE WORKING LOAD LIMIT



Cat. No.	UPC No.	Finish	Working Load Limit	Thread Diameter (A)	Take Up (B)	Closed Position Length (W)	Weight Each
6250403	020418087400	Hot Galvanized	1200 lb	3/8 in	6 in	11-9/16 in	0.90 lb
6250405	020418087417	Hot Galvanized	2200 lb	1/2 in	6 in	13-1/8 in	1.64 lb
6250406	020418087424	Hot Galvanized	2200 lb	1/2 in	9 in	16-1/8 in	2.08 lb
6250407	020418087431	Hot Galvanized	2200 lb	1/2 in	12 in	19-1/8 in	2.57 lb
6250409	020418087448	Hot Galvanized	3500 lb	5/8 in	6 in	14-7/8 in	2.65 lb
6250427	020418087592	Hot Galvanized	15200 lb	1-1/4 in	12 in	28-9/16 in	19.80 lb



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Adjustable Head



High-Strength Prying Claw

View all Code Red demolition tools on pages 193-194

Chrome Plated Adjustable Wrenches, Second Generation



- World Famous Crescent® Brand
- Wider Knurl for Easier Adjustment
- Laser Etched Scale Provides a Quick and Convenient Way to Determine Fastener Size in Either SAE or Metric
- Wide Capacity Jaw Allows Each Tool to Work with More Fastener Sizes
- Wider Handle Provides More Comfort and Less Stress to the Hand
- Tension Spring Stabilizes Jaw and Knurl Adjusts Easily
- Alloy Steel and Heat Treated
- Proportioned Dimensions for Greatest Strength and Minimum Weight
- Chrome Plated Finish Resists Rust and Corrosion
- Polished Head and Regular, Satin Finished Handle

Cat. No.	UPC No.	Packaging	Jaw Capacity	Length	Product Weight	Shelf Pack Qty.
AC24BK	037103265050	Bagged	0.500 in	4.000 in	0.13 lb	6
AC24VS	037103253972	Carded	0.500 in	4.000 in	0.16 lb	3
AC26BK	037103265067	Bagged	0.938 in	6.000 in	0.34 lb	6
AC26VS	037103253989	Carded	0.938 in	6.000 in	0.38 lb	3
AC28BK	037103265074	Bagged	1.125 in	8.000 in	0.60 lb	6
AC28VS	037103253996	Carded	1.125 in	8.000 in	0.62 lb	3
AC210BK	037103265081	Boxed	1.313 in	10.000 in	1.20 lb	6
AC210VS	037103254009	Carded	1.313 in	10.000 in	1.06 lb	3
AC212BK	037103265098	Boxed	1.500 in	12.000 in	1.92 lb	6
AC212VS	037103254016	Carded	1.500 in	12.000 in	1.81 lb	3

Tapered Handle Chrome Plated Adjustable Wrenches, Second Generation



- World Famous Crescent® Brand
- Wider Knurl for Easier Adjustment
- Laser Etched Scale Provides a Quick and Convenient Way to Determine Fastener Size in Either SAE or Metric
- Tension Spring Stabilizes Jaw and Knurl Adjusts Easily
- Alloy Steel and Heat Treated
- Proportioned Dimensions for Greatest Strength and Minimum Weight
- Chrome Plated Finish Resists Rust and Corrosion
- Tapered, Satin Finished Handle for Better Two-Hand Grip and Less Weight

Cat. No.	UPC No.	Packaging	Jaw Capacity	Length	Product Weight	Shelf Pack Qty.
AC215BK	037103265104	Boxed	1.688 in	15.000 in	3.00 lb	-
AC215VS	037103254023	Carded	1.688 in	15.000 in	3.00 lb	-
AC218BK	037103265111	Boxed	2.063 in	18.000 in	4.92 lb	-
AC218VS	037103254030	Carded	2.063 in	18.000 in	4.92 lb	-
AC224BK	037103265128	Boxed	2.438 in	24.000 in	8.71 lb	-
AC224VS	037103254047	Carded	2.438 in	24.000 in	8.71 lb	-

Cushion Grip Adjustable Wrenches, Second Generation



- World Famous Crescent® Brand
- Laser Etched Scale Provides a Quick and Convenient Way to Determine Fastener Size in Either SAE or Metric
- Wide Capacity Jaw Allows Each Tool to Work with More Fastener Sizes
- Wider Handle Provides More Comfort and Less Stress to the Hand
- Tension Spring Stabilizes Jaw and Wider Knurl for Easier Adjustment
- Alloy Steel and Heat Treated
- Proportioned Dimensions for Greatest Strength and Minimum Weight
- Chrome Plated Finish Resists Rust and Corrosion
- Polished Head and Red Non-Slip Cushion Grip
- AC215CBK Features Tapered Handle

Cat. No.	UPC No.	Packaging	Jaw Capacity	Length	Product Weight	Shelf Pack Qty.
AC24CBK	037103265135	Bagged	0.500 in	4.000 in	0.13 lb	6
AC24CVS	037103254146	Carded	0.500 in	4.000 in	0.15 lb	3
AC26CBK	037103265142	Bagged	0.938 in	6.000 in	0.34 lb	6
AC26CVS	037103254153	Carded	0.938 in	6.000 in	0.38 lb	3
AC28CBK	037103265159	Bagged	1.125 in	8.000 in	0.60 lb	6
AC28CVS	037103254160	Carded	1.125 in	8.000 in	0.62 lb	3
AC210CBK	037103265166	Boxed	1.313 in	10.000 in	1.20 lb	6
AC210CVS	037103254177	Carded	1.313 in	10.000 in	1.06 lb	3
AC212CBK	037103265173	Boxed	1.500 in	12.000 in	1.92 lb	6
AC212CVS	037103254184	Carded	1.500 in	12.000 in	1.81 lb	3
AC215CBK	037103265180	Boxed	1.688 in	15.000 in	3.20 lb	-

Black Oxide Adjustable Wrenches, Second Generation



- World Famous Crescent® Brand
- Wider Knurl for Easier Adjustment
- Laser Etched Scale Provides a Quick and Convenient Way to Determine Fastener Size in Either SAE or Metric
- Wide Capacity Jaw Allows Each Tool to Work with More Fastener Sizes
- Wider Handle Provides More Comfort and Less Stress to the Hand
- Tension Spring Stabilizes Jaw and Knurl Adjusts Easily
- Alloy Steel and Heat Treated
- Proportioned Dimensions for Greatest Strength and Minimum Weight
- Black Oxide Finish Resists Corrosion
- Polished Head and Regular Handle, Non-Slip Grip

Cat. No.	UPC No.	Packaging	Jaw Capacity	Length	Product Weight	Shelf Pack Qty.
AT24BK	037103265197	Bagged	0.500 in	4.000 in	0.13 lb	6
AT24VS	037103254054	Carded	0.500 in	4.000 in	0.15 lb	3
AT26BK	037103265203	Bagged	0.938 in	6.000 in	0.34 lb	6
AT26VS	037103254061	Carded	0.938 in	6.000 in	0.38 lb	3
AT28BK	037103265210	Bagged	1.125 in	8.000 in	0.60 lb	6
AT28VS	037103254078	Carded	1.125 in	8.000 in	0.62 lb	3
AT210BK	037103265227	Boxed	1.313 in	10.000 in	1.06 lb	6
AT210VS	037103254085	Carded	1.313 in	10.000 in	1.06 lb	3
AT212BK	037103265234	Boxed	1.500 in	12.000 in	1.92 lb	6
AT212VS	037103254092	Carded	1.500 in	12.000 in	1.81 lb	3

Black Oxide Tapered Handle Adjustable Wrenches, Second Generation



- World Famous Crescent® Brand
- Wider Knurl for Easier Adjustment
- Laser Etched Scale Provides a Quick and Convenient Way to Determine Fastener Size in Either SAE or Metric
- Tension Spring Stabilizes Jaw and Knurl Adjusts Easily
- Alloy Steel and Heat Treated
- Proportioned Dimensions for Greatest Strength and Minimum Weight
- Black Oxide Finish Resists Corrosion
- Tapered Handle for Better Two-Handed Grip and Less Weight

Cat. No.	UPC No.	Packaging	Jaw Capacity	Length	Product Weight	Shelf Pack Qty.
AT215BK	037103265241	Boxed	1.688 in	15.000 in	3.20 lb	-
AT218BK	037103265258	Boxed	2.063 in	18.000 in	5.29 lb	-

Black Oxide Cushion Grip Adjustable Wrenches, Second Generation



- World Famous Crescent® Brand
- Wider Knurl for Easier Adjustment
- Laser Etched Scale Provides a Quick and Convenient Way to Determine Fastener Size in Either SAE or Metric
- Wide Capacity Jaw Allows Each Tool to Work with More Fastener Sizes
- Wider Handle Provides More Comfort and Less Stress to the Hand
- Tension Spring Stabilizes Jaw and Knurl Adjusts Easily
- Alloy Steel and Heat Treated
- Proportioned Dimensions for Greatest Strength and Minimum Weight
- Black Oxide Finish Resists Corrosion
- Polished Head and Regular Handle, Non-Slip Grip

Cat. No.	UPC No.	Packaging	Jaw Capacity	Length	Product Weight	Shelf Pack Qty.
AT26CBK	037103265265	Bagged	0.938 in	6.000 in	0.34 lb	6
AT26CVS	037103256140	Carded	0.938 in	6.000 in	0.34 lb	3
AT28CBK	037103265272	Bagged	1.125 in	8.000 in	0.60 lb	6
AT28CVS	037103254115	Carded	1.125 in	8.000 in	0.62 lb	3
AT210CBK	037103265289	Boxed	1.313 in	10.000 in	1.20 lb	6
AT210CVS	037103254122	Carded	1.313 in	10.000 in	1.06 lb	3
AT212CBK	037103265296	Boxed	1.500 in	12.000 in	1.92 lb	6
AT212CVS	037103254139	Carded	1.500 in	12.000 in	1.81 lb	3

Construction Wrenches, Black Oxide Finish



- World Famous Crescent® Brand
- Tension Spring Stabilizes Jaw and Knurl Adjusts Easily
- Tapered Tang for Aligning Bolt Holes or Other Mating Parts
- Alloy Steel and Heat Treated for Toughest Jobs
- Black Oxide Finish Resists Corrosion

Cat. No.	UPC No.	Packaging	Jaw Capacity	Length	Product Weight
AT10SPUD	037103200396	Carded	1-1/8 in	10 in	0.95 lb
AT115SPUD	037103190345	Carded	1-1/2 in	16 in	2.35 lb

3 Pc. 6, 8, 10" Chrome Plated Adjustable Wrench Set, Second Generation



- World Famous Crescent® Brand
- Wider Knurl for Easier Adjustment
- Laser Etched Scale Provides a Quick and Convenient Way to Determine Fastener Size in Either SAE or Metric
- Wide Capacity Jaw Allows Each Tool to Work with More Fastener Sizes
- Wider Handle Provides More Comfort and Less Stress to the Hand
- Tension Spring Stabilizes Jaw and Knurl Adjusts Easily
- Alloy Steel and Heat Treated
- Proportioned Dimensions for Greatest Strength and Minimum Weight
- Chrome Plated Finish Resists Rust and Corrosion
- Polished Head and Regular, Satin Finished Handle

Cat. No.	UPC No.	Packaging	Product Weight	Shelf Pack Qty.
AC26810VS	037103257765	-	-	-
Cat. No.	Description	Cat. No.	Description	
AC26VS	6" Chrome Finish Adjustable Wrench	AC210VS	10" Chrome Finish Adjustable Wrench	
AC28VS	8" Chrome Finish Adjustable Wrench			

3 Pc. 6, 8, 10" Black Phosphate Cushion Grip Adjustable Wrench Set, Second Generation



- World Famous Crescent® Brand
- Wider Knurl for Easier Adjustment
- Laser Etched Scale Provides a Quick and Convenient Way to Determine Fastener Size in Either SAE or Metric
- Wide Capacity Jaw Allows Each Tool to Work with More Fastener Sizes
- Wider Handle Provides More Comfort and Less Stress to the Hand
- Tension Spring Stabilizes Jaw and Knurl Adjusts Easily
- Alloy Steel and Heat Treated
- Proportioned Dimensions for Greatest Strength and Minimum Weight
- Black Phosphate Finish Resists Corrosion
- Polished Head and Regular Handle, Non-Slip Grip

Cat. No.	UPC No.	Packaging	Product Weight	Shelf Pack Qty.
AC26810CV	037103256126	-	-	-
Cat. No.	Description	Cat. No.	Description	
AC26CVS	6" Chrome Finish Adjustable Wrench, Cushion Grip	AC210CVS	10" Chrome Finish Adjustable Wrench, Cushion Grip	
AC28CVS	8" Chrome Finish Adjustable Wrench, Cushion Grip			

2 Pc. 8, 12" Chrome Adjustable Wrench Set, Second Generation



- World Famous Crescent® Brand
- Wider Knurl for Easier Adjustment
- Laser Etched Scale Provides a Quick and Convenient Way to Determine Fastener Size in Either SAE or Metric
- Wide Capacity Jaw Allows Each Tool to Work with More Fastener Sizes
- Wider Handle Provides More Comfort and Less Stress to the Hand
- Tension Spring Stabilizes Jaw and Knurl Adjusts Easily
- Alloy Steel and Heat Treated
- Proportioned Dimensions for Greatest Strength and Minimum Weight
- Chrome Plated Finish Resists Rust and Corrosion
- Polished Head and Regular, Satin Finished Handle

Cat. No.	UPC No.	Packaging	Product Weight	Shelf Pack Qty.
AC2812VS	037103255655	-	2.45 lb	-

Cat. No.	Description	Cat. No.	Description
AC28VS	8" Chrome Finish Adjustable Wrench	AC212VS	12" Chrome Finish Adjustable Wrench

2 Pc. 6, 10" Black Phosphate Cushion Grip Adjustable Wrench Set, Second Generation



- World Famous Crescent® Brand
- Wider Knurl for Easier Adjustment
- Laser Etched Scale Provides a Quick and Convenient Way to Determine Fastener Size in Either SAE or Metric
- Wide Capacity Jaw Allows Each Tool to Work with More Fastener Sizes
- Wider Handle Provides More Comfort and Less Stress to the Hand
- Tension Spring Stabilizes Jaw and Knurl Adjusts Easily
- Alloy Steel and Heat Treated
- Proportioned Dimensions for Greatest Strength and Minimum Weight
- Black Phosphate Finish Resists Corrosion
- Polished Head and Regular Handle, Non-Slip Grip

Cat. No.	UPC No.	Packaging	Product Weight	Shelf Pack Qty.
AT2610CVS	037103254108	-	2.00 lb	-

Cat. No.	Description	Cat. No.	Description
AT26CVS	6" Black Oxide Finish Adjustable Wrench, Cushion Grip	AT210CVS	10" Black Oxide Finish Adjustable Wrench, Cushion Grip

2 Pc. 6, 10" RapidSlide Adjustable Wrench Set



- Slide Button Mechanism in Handle for Quick, Fast Adjustment
- DIY, Industrial or Professional Use
- 15/16" and 1.2" Jaw Capacity Works with Various Fastener Sizes
- Debris Shield Protects Slide Mechanism, and Maintains a Smooth Operation
- Forged Steel
- Chrome Finish Resists Rust and Corrosion
- Polished Head
- SAE/Metric Size Indicator on Jaw

Cat. No.	UPC No.	Packaging	Product Weight	Shelf Pack Qty.
AC610RS	037103226778	Carded	1.15 lb	-

Cat. No.	Description	Cat. No.	Description
AC6NKWMP	6" RapidSlide™ Adjustable Wrench	AC10NKWMP	10" RapidSlide™ Adjustable Wrench

Ratcheting Adjustable Wrench



- Versatility – Movable Jaw Works on any 4 or 6 Point Fastener up to 15/16"
- Speed – Smooth Ratcheting Action is Intuitive and Easy to Use, Making Jobs Easier and Faster
- Comfort – Unique Handle Design Accommodates a wide variety of Hand Sizes and Shapes and Promotes Proper Use
- Convenience – Ratcheting On/Off Switch Allows Wrench to also be used as a Traditional Adjustable Wrench

Cat. No.	UPC No.	Jaw Capacity	Length	Product Weight	Shelf Pack Qty.
ATR28	037103262684	15/16 in	10.43 in	0.73 lb	3

Lighted Adjustable Wrench



- Dual LEDs in handle lights work area from both sides of wrench
- Handy on/off button recessed in handle for easy of operation
- Ergonomic handle design provides comfortable grip to reduce fatigue
- Automatic battery saver turns LEDs off after 3 minutes of no use
- Extra-wide jaw opens to 1-5/16" (33 mm)
- Locking mechanism allows for use as a standard adjustable wrench
- Large hang-hole makes storage easy

Cat. No.	UPC No.	Packaging	Jaw Capacity	Length	Product Weight	Shelf Pack Qty.
ACL29VS	037103267030	Carded	1-5/16 in	9.00 in	0.84 lb	3

R2 RapidRench Ratcheting Socket Wrench



- 7/8" Adjustable Jaw Opening to Accommodate 38 Different Bolt/Nut Sizes
- R2 Rapidrench Works on Various Fasteners and Sizes
- Jaw Design Extends Into Deep Areas
- Tool Exceeds ANSI Specs
- Comfort Grip for Reduced Stress on Hand
- Chrome Finish for Durability and Corrosion Resistance
- World Famous Crescent® Brand

Cat. No.	UPC No.	Packaging	Product Weight
FR28SMP	037103229205	Carded	1.18 lb

Automobile Adjustable Wrenches



- General Purpose Adjustable Automobile Wrench
- Sliding Jaw
- Forged From Crescent® Special Analysis Tool Steel
- Chrome-Plated
- Precision Machined; Exceeds Government Specifications

Cat. No.	UPC No.	Packaging	Jaw Capacity	Length	Product Weight
C79H	043127133183	Carded	2-3/4 in	9 in	1.01 lb
C711H	043127135163	Carded	3 in	11 in	1.50 lb
C715	043127213021	Boxed	3-5/8 in	15 in	3.20 lb
C718	043127067914	Boxed	4-3/8 in	18 in	4.60 lb

Chain Wrenches



- Double-Action Allows Use in Either Direction
- Designed for Confined Areas When Ordinary Pipe Wrenches Will Not Fit
- Excellent for Pipe Fittings
- Concave-Cut Teeth for Improved Gripping; Easily Resharpenerd If Needed
- U.S. Patent No. 3304817
- Chrome Plated to Resist Rust
- Strong I-Beam Handle Construction

Cat. No.	UPC No.	Packaging	Pipe Size Max	Chain Length	Overall Length	Rplc. Part	Product Weight
CW12H	043127143175	Carded	4 in	15 in	15 in	Replacement Chain: CW12C	1.85 lb
CW15	043127212925	Boxed	5 in	19 in	19 in	Replacement Chain: CW15C	2.75 lb
CW24	043127212956	Boxed	6 in	23 in	24 in	Replacement Chain: CW24C	3.60 lb

170 Pc. 1/4", 3/8", and 1/2" Drive 6 and 12 Point SAE/Metric Mechanics Tool Set (Open Case or Closed)



- Carefully selected assortment of Crescent® brand hand tools
- All tools in this set meet stringent new ANSI and ASME specifications and come with a full satisfaction guarantee
- Set contains all the tools needed for most applications, including 1/4", 3/8", and 1/2" quick-release ratcheting drives, with a wide selection of standard and deep sockets in the most common SAE and metric sizes
- CTK170CMP2 same as CTK170MP, but case is closed

Cat. No.	UPC No.	Product Weight
CTK170CMP2	037103275677	20.20 lb
CTK170MP	037103221360	20.20 lb

Cat. No.	Description	Cat. No.	Description
-	1/4" Drive, 72-Tooth Quick-release Ratchet Drive	-	1/4" Drive, 3" Extension
-	3/8" Drive, 6-Point Deep Sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 12mm, 13mm, 14mm, 16mm, 17mm	-	SAE Hex Keys with Holder
-	1/2" Drive, 72-Tooth Quick-release Ratchet Drive	-	Metric Hex Keys with Holder
-	1/2" Drive, 5" Extension	-	Storage Case
-	1/2" Drive, 6-Point Sockets: 1/2", 9/16", 5/8", 3/4", 7/8", 15mm, 17mm, 18mm 19mm, 21mm	-	1/4" Drive, 6-Point Sockets: 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 4mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm
-	Combination Wrenches: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 8mm, 10mm, 12mm, 13mm, 14mm, 15mm	-	3/8" Drive, 72-Tooth Quick-release Ratchet Drive
-	Pliers: 8" Long Nose Cutting and 10" Tongue & Groove	-	3/8" Drive, 3" Extension
-	Wrench: 8" Adjustable	-	3/8" Drive, 6" Extension
-	Magnetic Screwdrivers: 1/4" x 4" Slotted, 3/16" x 3" Slotted, #2 x 4" Phillips®, #1 x 3" Phillips®	-	3/8" Drive, 3/8" (Female) to 1/4" (Male) Adapter
-	Dura-Driver™ Magnetic Bit Driver	-	3/8" Drive, Spark Plug Sockets: 5/8", 13/16"
-	1" Driver Bits with Holders: Phillips®, Slotted, Torx®, and Hex	-	3/8" Drive, 12-Point Sockets: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 6mm, 7mm, 8mm, 9mm, 10mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm

148 Pc. 1/4", 3/8", and 1/2" Drive 6 and 12 Point SAE/Metric Mechanics Tool Set

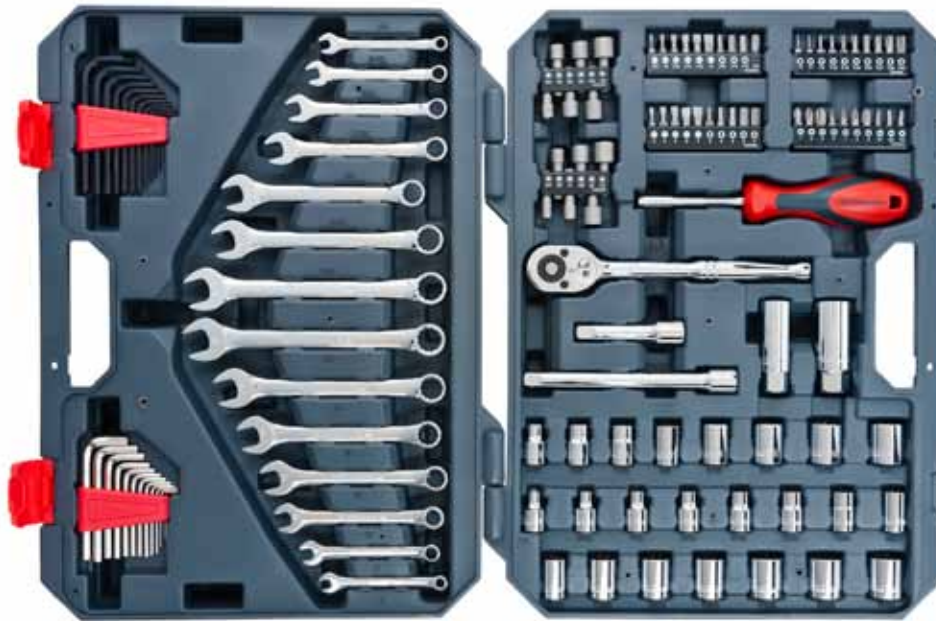


- Carefully selected assortment of Crescent® brand hand tools
- Set contains all the tools needed for most applications, including 1/4", 3/8", and 1/2" quick-release ratcheting drives, with a wide selection of standard and deep sockets in the most common SAE and metric sizes
- All tools in this set meet stringent new ANSI and ASME specifications and come with a full satisfaction guarantee

Cat. No.	UPC No.	Product Weight
CTK148MP	037103200525	15.80 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	1/4" Drive, 72-Tooth Quick-release Ratchet Drive	1	-	1/2" Drive, 72-Tooth Quick-release Ratchet Drive	1
-	1/4" Drive, 3" Extension	1	-	1/2" Drive, 5" Extension	1
-	1/4" Drive, 6-Point Sockets: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16, 1/2", 9/16", 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm	16	-	1/2" Drive, 6-Point Sockets: 1/2", 9/16", 5/8", 3/4", 7/8", 15mm, 17mm, 18mm, 19mm, 21mm	10
-	3/8" Drive, 72-Tooth Quick-release Ratchet Drive	1	-	Combination Wrenches: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 8mm, 10mm, 12mm, 13mm, 14mm, 15mm	12
-	3/8" Drive, 3" Extension	1	-	Pliers: 8" Long Nose Cutting and 6" Diagonal Cutting	2
-	3/8" Drive, 6" Extension	1	-	Magnetic Screwdrivers: 1/4" x 4" Slotted, 3/16" x 3" Slotted, #2 x 4" Phillips®, #1 x 3" Phillips®	4
-	3/8" Drive, 3/8" (Female) to 1/4" (Male) Adapter	1	-	Dura-Driver™ Magnetic Bit Driver	1
-	3/8" Drive, Spark Plug Sockets: 5/8", 13/16"	2	-	1" Driver Bits with Holders: Phillips®, Slotted, Torx®, and Hex	44
-	3/8" Drive, 12-Point Sockets: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 9mm, 10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm	16	-	SAE Hex Keys with Holder	18
-	3/8" Drive, 6-Point Deep Sockets: 7/16", 1/2", 9/16", 11/16", 3/4", 12mm, 13mm, 14mm, 15mm, 17mm	10	-	Storage Case	1

128 Pc. 3/8" Drive 12 Point SAE/Metric Mechanics Tool Set

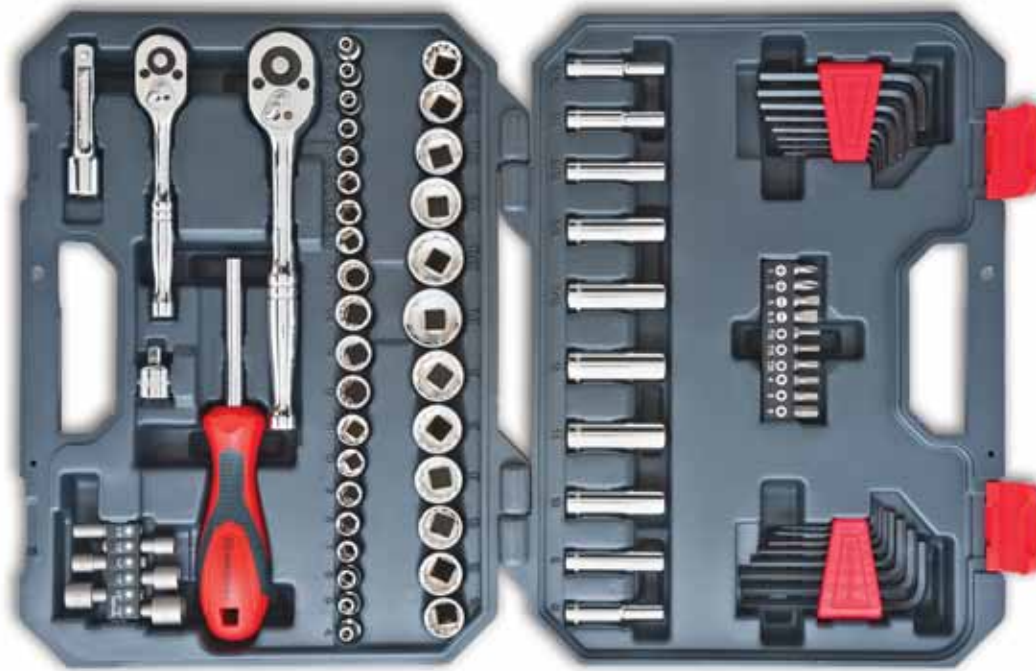


- 72-tooth Ratchet requires only a 5° swing
- Large quick-release button for easy operation
- Sockets feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Magnetic bit driver with dual material grip for increased leverage

Cat. No.	UPC No.	Packaging	Product Weight
CTK128MP2	037103263650	Blow Mold Case	13.50 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	3/8" Drive, 72-Tooth Quick-Release Ratchet Drive	1	-	Magnetic Bit Driver	1
-	3/8" Drive, 3" Extension	1	-	Bit Set with (4) Holders - Slotted: 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 3mm, 4mm, 5mm, 6mm, 7mm; Pozidriv: #0, #1, #2, #3; Phillips®: #1, #2, #3; Square: 1, 2, 3; Torx®: 5, 7, 8, 10, 15, 20, 25, 27, 30, 40; Hex: 3, 4, 5, 6, 7, 5/32", 3/16", 7/32"	44
-	3/8" Drive, 6" Extension	1	-	SAE Nut Set with Holder: 3/16", 7/32", 1/4", 11/32", 3/8", 7/16"	7
-	3/8" Drive, Spark Plug Sockets: 5/8", 13/16"	2	-	Metric Nut Set with Holder: 6mm, 7mm, 8mm, 9mm, 10mm, 11mm	7
-	3/8" Drive 12-Point SAE Sockets: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"	9	-	SAE Hex Keys with Holder: .035", .05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"	13
-	3/8" Drive 12-Point Metric Sockets: 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm	14	-	Metric Hex Keys with Holder: .9mm, 1.3mm, 1.5mm, 2mm, 2.5mm, 3mm, 3.5mm, 4mm, 4.5mm, 5mm, 5.5mm, 6mm	13
-	SAE Combination Wrenches: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"	7	-	Storage Case	1
-	Metric Combination Wrenches: 6mm, 8mm, 10mm, 12mm, 13mm, 14mm, 15mm	7			

84 Pc. 1/4" and 3/8" Drive 6 and 12 Point SAE/Metric Mechanics Tool Set



- 72-tooth Ratchet requires only a 5° swing
- Large quick-release button for easy operation
- Sockets feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Magnetic bit driver with dual material grip for increased leverage

Cat. No.	UPC No.	Packaging	Product Weight
CTK84CMP	037103274410	Blow Mold Case	6.83 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	1/4" Drive, 72-Tooth Quick-release Ratchet Drive	1	-	3/8" Drive 12-Point Metric Sockets: 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm	8
-	1/4" Drive 6-Point SAE Sockets: 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8"	8	-	3/8" (Female) to 1/4" (Male) Adapter	1
-	1/4" Drive 6-Point Metric Sockets: 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm	8	-	Magnetic Bit Driver	1
-	1/4" Drive 6-Point Deep SAE Sockets: 3/16", 1/4", 5/16", 3/8", 7/16"	5	-	Bit Set with Holder - Slotted: 5mm, 6.5mm; Phillips®: #1, #2; Torx®: 10, 15, 20; Hex: 4, 5, 6	11
-	1/4" Drive 6-Point Deep Metric Sockets: 6mm, 8mm, 10mm, 11mm, 12mm	5	-	SAE Hex Keys with Holder: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4"	9
-	3/8" Drive, 72-Tooth Quick-Release Ratchet Drive	1	-	Metric Hex Keys with Holder: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 5.5mm, 6mm	9
-	3/8" Drive, 3" Extension	1	-	SAE Nut Set with Holder: 3/16", 7/32", 1/4", 11/32", 3/8", 7/16"	7
-	3/8" Drive 12-Point SAE Sockets: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"	8	-	Storage Case	1

70 Pc. 1/4" and 3/8" Drive 6 and 12 Point SAE/Metric Mechanics Tool Set SAE mm 6 12



- Carefully selected assortment of Crescent® brand hand tools
- Set contains 1/4" and 3/8" quick-release ratcheting drives, 32 SAE and metric sockets, 12 SAE and metric combination wrenches, plus 24 other tools, this is one of the most versatile tool selections ever assembled
- All tools meet stringent new ANSI and ASME specifications, and come with a full satisfaction guarantee

Cat. No.	UPC No.	Packaging	Product Weight
CTK70MP	037103211101	Blow Mold Case	7.25 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	1/4" Drive, 72-Tooth Quick-release Ratchet Drive	1	-	3/8" (Female) to 1/4" (Male) Adapter	1
-	1/4" Drive, 3" Extension	1	-	Combination Wrenches: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 10mm, 12mm, 13mm, 14mm, 15mm, 17mm	12
-	1/4" Drive, 6-Point Sockets: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm	16	-	SAE Hex Keys with Holder	8
-	3/8" Drive, 72-Tooth Quick-Release Ratchet Drive	1	-	Dura-Driver™ Magnetic Bit Driver	1
-	3/8" Drive, 3" Extension	1	-	1" Driver Bits: Phillips®, Slotted, Torx®, and Hex	12
-	3/8" Drive, 12-Point Sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm	16			

45 Pc. 1/4" and 3/8" Drive 6 and 12 Point SAE/Metric Socket Wrench Tool Set



- 72-tooth Ratchet requires only a 5° swing
- Large quick-release button for easy operation
- Sockets feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSWS13	037103270245	Blow Mold Case	5.58 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
CRW6	3/8" Drive 72T Quick Release Ratchet	1	CDS31	3/8" Drive 12 Point Standard SAE Socket 3/4"	1
CDTA8	3/8" Drive 3" Extension	1	CDS32	3/8" Drive 12 Point Standard SAE Socket 13/16"	1
GDTA1	3/8" Drive 3/8" F x 1/4" M Adapter	1	CDS11	1/4" Drive 6 Point Standard Metric Socket 4mm	1
CRW4	1/4" Drive Spinner Handle	1	CDS12	1/4" Drive 6 Point Standard Metric Socket 5mm	1
CSPS0	3/8" Drive Spark Plug Socket 5/8"	1	CDS13	1/4" Drive 6 Point Standard Metric Socket 6mm	1
CSPS2	3/8" Drive Spark Plug Socket 13/16"	1	CDS14	1/4" Drive 6 Point Standard Metric Socket 7mm	1
CDS0	1/4" Drive 6 Point Standard SAE Socket 5/32"	1	CDS15	1/4" Drive 6 Point Standard Metric Socket 8mm	1
CDS1	1/4" Drive 6 Point Standard SAE Socket 3/16"	1	CDS16	1/4" Drive 6 Point Standard Metric Socket 9mm	1
CDS2	1/4" Drive 6 Point Standard SAE Socket 7/32"	1	CDS17	1/4" Drive 6 Point Standard Metric Socket 10mm	1
CDS3	1/4" Drive 6 Point Standard SAE Socket 1/4"	1	CDS18	1/4" Drive 6 Point Standard Metric Socket 11mm	1
CDS4	1/4" Drive 6 Point Standard SAE Socket 9/32"	1	CDS19	1/4" Drive 6 Point Standard Metric Socket 12mm	1
CDS5	1/4" Drive 6 Point Standard SAE Socket 5/16"	1	CDS20	1/4" Drive 6 Point Standard Metric Socket 13mm	1
CDS6	1/4" Drive 6 Point Standard SAE Socket 11/32"	1	CDS40	3/8" Drive 12 Point Standard Metric Socket 10mm	1
CDS7	1/4" Drive 6 Point Standard SAE Socket 3/8"	1	CDS41	3/8" Drive 12 Point Standard Metric Socket 11mm	1
CDS8	1/4" Drive 6 Point Standard SAE Socket 7/16"	1	CDS42	3/8" Drive 12 Point Standard Metric Socket 12mm	1
CDS9	1/4" Drive 6 Point Standard SAE Socket 1/2"	1	CDS43	3/8" Drive 12 Point Standard Metric Socket 13mm	1
CDS24	3/8" Drive 12 Point Standard SAE Socket 5/16"	1	CDS44	3/8" Drive 12 Point Standard Metric Socket 14mm	1
CDS25	3/8" Drive 12 Point Standard SAE Socket 3/8"	1	CDS45	3/8" Drive 12 Point Standard Metric Socket 15mm	1
CDS26	3/8" Drive 12 Point Standard SAE Socket 7/16"	1	CDS46	3/8" Drive 12 Point Standard Metric Socket 16mm	1
CDS27	3/8" Drive 12 Point Standard SAE Socket 1/2"	1	CDS47	3/8" Drive 12 Point Standard Metric Socket 17mm	1
CDS28	3/8" Drive 12 Point Standard SAE Socket 9/16"	1	CDS48	3/8" Drive 12 Point Standard Metric Socket 18mm	1
CDS29	3/8" Drive 12 Point Standard SAE Socket 5/8"	1	CDS49	3/8" Drive 12 Point Standard Metric Socket 19mm	1
CDS30	3/8" Drive 12 Point Standard SAE Socket 11/16"	1			

30 Pc. 3/8" Drive 12 Point SAE/Metric Standard and Deep Mechanics Tool Set



- World Famous Crescent® Brand
- Providing Quality Tools Since 1907
- Professional Quality, Cr-V Steel

Cat. No.	UPC No.	Product Weight
CTK30SET	037103202673	6.20 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	3/8" Drive, 72-Tooth Quick-release Ratchet Drive	1	-	3/8" Drive, 13/16" Spark Plug Socket	2
-	3/8" Drive, 3" Extension	1	-	3/8" Drive, 12-Point Sockets: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 9mm, 10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm	16
-	3/8" Drive, 6" Extension	1	-	3/8" Drive, 12-Point Deep Sockets: 7/16", 1/2", 9/16", 5/8", 11/16", 12mm, 13mm, 14mm, 16mm, 17mm	10

43 Pc. 1/4" Drive 6 Point SAE/Metric Standard and Deep Socket Wrench Tool Set



- 72-tooth Ratchet requires only a 5° swing
- Large quick-release button for easy operation
- Sockets feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSWS5	037103270160	Blow Mold Case	4.47 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
CRW0	1/4" Drive 72T Quick Release Ratchet	1	CDS19	1/4" Drive 6 Point Standard Metric Socket 12mm	1
GDTA6	1/4" Drive 2" Extension	1	CDS20	1/4" Drive 6 Point Standard Metric Socket 13mm	1
CDTA7	1/4" Drive 6" Extension	1	CDDS1	1/4" Drive 6 Point Deep SAE Socket 3/16"	1
CRW4	1/4" Drive Spinner Handle	1	CDDS2	1/4" Drive 6 Point Deep SAE Socket 7/32"	1
GDTA16	1/4" Drive Universal Joint	1	CDDS3	1/4" Drive 6 Point Deep SAE Socket 1/4"	1
CDS1	1/4" Drive 6 Point Standard SAE Socket 3/16"	1	CDDS4	1/4" Drive 6 Point Deep SAE Socket 9/32"	1
CDS2	1/4" Drive 6 Point Standard SAE Socket 7/32"	1	CDDS5	1/4" Drive 6 Point Deep SAE Socket 5/16"	1
CDS3	1/4" Drive 6 Point Standard SAE Socket 1/4"	1	CDDS6	1/4" Drive 6 Point Deep SAE Socket 11/32"	1
CDS4	1/4" Drive 6 Point Standard SAE Socket 9/32"	1	CDDS7	1/4" Drive 6 Point Deep SAE Socket 3/8"	1
CDS5	1/4" Drive 6 Point Standard SAE Socket 5/16"	1	CDDS8	1/4" Drive 6 Point Deep SAE Socket 7/16"	1
CDS6	1/4" Drive 6 Point Standard SAE Socket 11/32"	1	CDDS9	1/4" Drive 6 Point Deep SAE Socket 1/2"	1
CDS7	1/4" Drive 6 Point Standard SAE Socket 3/8"	1	CDDS11	1/4" Drive 6 Point Deep Metric Socket 4mm	1
CDS8	1/4" Drive 6 Point Standard SAE Socket 7/16"	1	CDDS12	1/4" Drive 6 Point Deep Metric Socket 5mm	1
CDS9	1/4" Drive 6 Point Standard SAE Socket 1/2"	1	CDDS13	1/4" Drive 6 Point Deep Metric Socket 6mm	1
CDS11	1/4" Drive 6 Point Standard Metric Socket 4mm	1	CDDS14	1/4" Drive 6 Point Deep Metric Socket 7mm	1
CDS12	1/4" Drive 6 Point Standard Metric Socket 5mm	1	CDDS15	1/4" Drive 6 Point Deep Metric Socket 8mm	1
CDS13	1/4" Drive 6 Point Standard Metric Socket 6mm	1	CDDS16	1/4" Drive 6 Point Deep Metric Socket 9mm	1
CDS14	1/4" Drive 6 Point Standard Metric Socket 7mm	1	CDDS17	1/4" Drive 6 Point Deep Metric Socket 10mm	1
CDS15	1/4" Drive 6 Point Standard Metric Socket 8mm	1	CDDS18	1/4" Drive 6 Point Deep Metric Socket 11mm	1
CDS16	1/4" Drive 6 Point Standard Metric Socket 9mm	1	CDDS19	1/4" Drive 6 Point Deep Metric Socket 12mm	1
CDS17	1/4" Drive 6 Point Standard Metric Socket 10mm	1	CDDS20	1/4" Drive 6 Point Deep Metric Socket 13mm	1
CDS18	1/4" Drive 6 Point Standard Metric Socket 11mm	1			

22 Pc. 1/4" Drive 6 Point Metric Standard and Deep Socket Wrench Tool Set



- 72-tooth Ratchet requires only a 5° swing
- Large quick-release button for easy operation
- Sockets feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSWS3	037103270146	Blow Mold Case	2.14 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
CRW0	1/4" Drive 72T Quick Release Ratchet	1	CDS20	1/4" Drive 6 Point Standard Metric Socket 13mm	1
GDTA7	1/4" Drive 6" Extension	1	CDDS11	1/4" Drive 6 Point Deep Metric Socket 4mm	1
CDS11	1/4" Drive 6 Point Standard Metric Socket 4mm	1	CDDS12	1/4" Drive 6 Point Deep Metric Socket 5mm	1
CDS12	1/4" Drive 6 Point Standard Metric Socket 5mm	1	CDDS13	1/4" Drive 6 Point Deep Metric Socket 6mm	1
CDS13	1/4" Drive 6 Point Standard Metric Socket 6mm	1	CDDS14	1/4" Drive 6 Point Deep Metric Socket 7mm	1
CDS14	1/4" Drive 6 Point Standard Metric Socket 7mm	1	CDDS15	1/4" Drive 6 Point Deep Metric Socket 8mm	1
CDS15	1/4" Drive 6 Point Standard Metric Socket 8mm	1	CDDS16	1/4" Drive 6 Point Deep Metric Socket 9mm	1
CDS16	1/4" Drive 6 Point Standard Metric Socket 9mm	1	CDDS17	1/4" Drive 6 Point Deep Metric Socket 10mm	1
CDS17	1/4" Drive 6 Point Standard Metric Socket 10mm	1	CDDS18	1/4" Drive 6 Point Deep Metric Socket 11mm	1
CDS18	1/4" Drive 6 Point Standard Metric Socket 11mm	1	CDDS19	1/4" Drive 6 Point Deep Metric Socket 12mm	1
CDS19	1/4" Drive 6 Point Standard Metric Socket 12mm	1	CDDS20	1/4" Drive 6 Point Deep Metric Socket 13mm	1

21 Pc. 1/4" Drive 6 Point SAE Standard and Deep Socket Wrench Tool Set



- 72-tooth Ratchet requires only a 5° swing
- Large quick-release button for easy operation
- Sockets feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSWS2	037103270139	Blow Mold Case	1.97 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
CRW0	1/4" Drive 72T Quick Release Ratchet	1	CDS9	1/4" Drive 6 Point Standard SAE Socket 1/2"	1
CDTA7	1/4" Drive 6" Extension	1	CDDS1	1/4" Drive 6 Point Deep SAE Socket 3/16"	1
CDS0	1/4" Drive 6 Point Standard SAE Socket 5/32"	1	CDDS2	1/4" Drive 6 Point Deep SAE Socket 7/32"	1
CDS1	1/4" Drive 6 Point Standard SAE Socket 3/16"	1	CDDS3	1/4" Drive 6 Point Deep SAE Socket 1/4"	1
CDS2	1/4" Drive 6 Point Standard SAE Socket 7/32"	1	CDDS4	1/4" Drive 6 Point Deep SAE Socket 9/32"	1
CDS3	1/4" Drive 6 Point Standard SAE Socket 1/4"	1	CDDS5	1/4" Drive 6 Point Deep SAE Socket 5/16"	1
CDS4	1/4" Drive 6 Point Standard SAE Socket 9/32"	1	CDDS6	1/4" Drive 6 Point Deep SAE Socket 11/32"	1
CDS5	1/4" Drive 6 Point Standard SAE Socket 5/16"	1	CDDS7	1/4" Drive 6 Point Deep SAE Socket 3/8"	1
CDS6	1/4" Drive 6 Point Standard SAE Socket 11/32"	1	CDDS8	1/4" Drive 6 Point Deep SAE Socket 7/16"	1
CDS7	1/4" Drive 6 Point Standard SAE Socket 3/8"	1	CDDS9	1/4" Drive 6 Point Deep SAE Socket 1/2"	1
CDS8	1/4" Drive 6 Point Standard SAE Socket 7/16"	1			

12 Pc. 1/4" Drive 6 Point SAE Socket Wrench Tool Set



- 72-tooth Ratchet requires only a 5° swing
- Large quick-release button for easy operation
- Sockets feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSWS0	037103270108	Blow Mold Case	1.16 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
CRW0	1/4" Drive 72T Quick Release Ratchet	1	CDS4	1/4" Drive 6 Point Standard SAE Socket 9/32"	1
CDTA7	1/4" Drive 6" Extension	1	CDS5	1/4" Drive 6 Point Standard SAE Socket 5/16"	1
CDS0	1/4" Drive 6 Point Standard SAE Socket 5/32"	1	CDS6	1/4" Drive 6 Point Standard SAE Socket 11/32"	1
CDS1	1/4" Drive 6 Point Standard SAE Socket 3/16"	1	CDS7	1/4" Drive 6 Point Standard SAE Socket 3/8"	1
CDS2	1/4" Drive 6 Point Standard SAE Socket 7/32"	1	CDS8	1/4" Drive 6 Point Standard SAE Socket 7/16"	1
CDS3	1/4" Drive 6 Point Standard SAE Socket 1/4"	1	CDS9	1/4" Drive 6 Point Standard SAE Socket 1/2"	1

20 Pc. 1/4" Drive 6 Point SAE/Metric Socket Wrench Tool Set



- 72-tooth Ratchet requires only a 5° swing
- Large quick-release button for easy operation
- Feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSWS1	037103270122	Storage Rack	1.33 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
CRW0	1/4" Drive 72T Quick Release Ratchet	1	CDS9	1/4" Drive 6 Point Standard SAE Socket 1/2"	1
CDA6	1/4" Drive 2" Extension	1	CDS12	1/4" Drive 6 Point Standard Metric Socket 5mm	1
CDS1	1/4" Drive 6 Point Standard SAE Socket 3/16"	1	CDS13	1/4" Drive 6 Point Standard Metric Socket 6mm	1
CDS2	1/4" Drive 6 Point Standard SAE Socket 7/32"	1	CDS14	1/4" Drive 6 Point Standard Metric Socket 7mm	1
CDS3	1/4" Drive 6 Point Standard SAE Socket 1/4"	1	CDS15	1/4" Drive 6 Point Standard Metric Socket 8mm	1
CDS4	1/4" Drive 6 Point Standard SAE Socket 9/32"	1	CDS16	1/4" Drive 6 Point Standard Metric Socket 9mm	1
CDS5	1/4" Drive 6 Point Standard SAE Socket 5/16"	1	CDS17	1/4" Drive 6 Point Standard Metric Socket 10mm	1
CDS6	1/4" Drive 6 Point Standard SAE Socket 11/32"	1	CDS18	1/4" Drive 6 Point Standard Metric Socket 11mm	1
CDS7	1/4" Drive 6 Point Standard SAE Socket 3/8"	1	CDS19	1/4" Drive 6 Point Standard Metric Socket 12mm	1
CDS8	1/4" Drive 6 Point Standard SAE Socket 7/16"	1	CDS20	1/4" Drive 6 Point Standard Metric Socket 13mm	1

10 Pc. 1/4" Drive 6 Point SAE Socket Set



- Feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSAS8	037103270337	Storage Rack	0.45 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CDS0	5/32 in	CDS5	5/16 in
CDS1	3/16 in	CDS6	11/32 in
CDS2	7/32 in	CDS7	3/8 in
CDS3	1/4 in	CDS8	7/16 in
CDS4	9/32 in	CDS9	1/2 in

10 Pc. 1/4" Drive 6 Point Metric Socket Set



- Feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSAS9	037103270344	Storage Rack	0.49 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CDS11	4 mm	CDS16	9 mm
CDS12	5 mm	CDS17	10 mm
CDS13	6 mm	CDS18	11 mm
CDS14	7 mm	CDS19	12 mm
CDS15	8 mm	CDS20	13 mm

10 Pc. 1/4" Drive 6 Point SAE Deep Socket Set



- Feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSAS10	037103270351	Storage Rack	0.76 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CDDS0	5/32 in	CDDS5	5/16 in
CDDS1	3/16 in	CDDS6	11/32 in
CDDS2	7/32 in	CDDS7	3/8 in
CDDS3	1/4 in	CDDS8	7/16 in
CDDS4	9/32 in	CDDS9	1/2 in

10 Pc. 1/4" Drive 6 Point Metric Deep Socket Set



- Feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSAS11	037103270368	Storage Rack	0.82 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CDDS11	4 mm	CDDS16	9 mm
CDDS12	5 mm	CDDS17	10 mm
CDDS13	6 mm	CDDS18	11 mm
CDDS14	7 mm	CDDS19	12 mm
CDDS15	8 mm	CDDS20	13 mm

1/4" Drive Quick Release Ratchet



- 72 Tooth Ratchet requires only a 5° swing
- Full Polish for Comfort
- Chrome Vanadium Alloy Steel for maximum strength

Cat. No.	UPC No.	Overall Length	Head Width	Tooth Count	Product Weight
CRW0	037103274090	7.95 in	2.00 in	72	0.40 lb

1/4" Drive Quick Release Cushion Grip Ratchet



- 72 Tooth Ratchet requires only a 5° swing
- Dual Material Grip for added Comfort
- Chrome Vanadium Alloy Steel for maximum strength
- Nickel Chrome Plated for Long Lasting Protection

Cat. No.	UPC No.	Overall Length	Head Width	Tooth Count	Product Weight
CRW1	037103274106	8.50 in	2.00 in	72	0.44 lb

1/4" Drive Rotator Ratchet



- Ratchet Head Rotates 180° for Greater Access When Working in Confined Spaces and Around Obstructions
- Fine Tooth Ratchet Requires less than 5° Swing Arc to get Fastener Started and Greater Access
- Dual Material Cushion Grip, Holds up well Against Oil and Grease, for Comfortable Non-Slip Grip

Cat. No.	UPC No.	Overall Length	Head Width	Tooth Count	Product Weight
CRW2	037103274113	6.75 in	1.25 in	72	0.36 lb

1/4" Drive Spinner Handle



- Dual Material Handle for Improved Comfort and Performance
- Chrome Plated Blades Provide Corrosion Resistance and Easy Cleaning
- Hang Hole can be used to Hang on Wall or with an Additional Driver to Create a T-Handle

Cat. No.	UPC No.	Overall Length	Female Drive Size	Product Weight
CRW4	037103274137	9.25 in	1/4"	0.20 lb

1/4" Drive Flex Handle / Breaker Bar



- Chrome Vanadium Alloy Steel for Maximum Strength
- Nickel Chrome Plated for Long Lasting Protection

Cat. No.	UPC No.	Overall Length	Product Weight
CRW5	037103274144	7.87 in	0.29 lb

1/4" Drive Universal Joint



- Maximum operation angle of 45 degrees
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Overall Length	Female Drive Size	Male Drive Size	Product Weight
CDTA16	037103273628	3.70 in	1/4"	1/4"	0.07 lb

1/4" Drive Adapter



- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Overall Length	Female Drive Size	Male Drive Size	Product Weight
CDTA0	037103273468	3.39 in	1/4"	3/8"	0.05 lb

1/4" Drive Extensions



- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Length	Overall Length	Product Weight
GDTA6	037103273529	2 in	4.33 in	0.07 lb
GDTA7	037103273536	6 in	8.27 in	0.16 lb

1/4" Drive 6 Point SAE Standard Length Sockets



- Surface Drive® technology reduces fastener rounding
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Drive Type	Fastener Size	Length	Width	Height	Product Weight	Shelf Pack Qty.
CDS0	037103271013	6 Point	5/32 in	3.35 in	0.47 in	1.69 in	0.04 lb	6
CDS1	037103271020	6 Point	3/16 in	3.35 in	0.47 in	1.69 in	0.04 lb	6
CDS2	037103271037	6 Point	7/32 in	3.35 in	0.47 in	1.69 in	0.05 lb	6

1/4" Drive 6 Point SAE Standard Length Sockets Continued

Cat. No.	UPC No.	Drive Type	Fastener Size	Length	Width	Height	Product Weight	Shelf Pack Qty.
CDS3	037103271044	6 Point	1/4 in	3.35 in	0.47 in	1.69 in	0.05 lb	6
CDS4	037103271051	6 Point	9/32 in	3.35 in	0.47 in	1.69 in	0.05 lb	6
CDS5	037103271068	6 Point	5/16 in	3.35 in	0.47 in	1.69 in	0.05 lb	6
CDS6	037103271075	6 Point	11/32 in	3.35 in	0.47 in	1.69 in	0.05 lb	6
CDS7	037103271082	6 Point	3/8 in	3.35 in	0.47 in	1.69 in	0.06 lb	6
CDS8	037103271099	6 Point	7/16 in	3.35 in	0.59 in	1.69 in	0.07 lb	6
CDS9	037103271105	6 Point	1/2 in	3.35 in	0.59 in	1.69 in	0.08 lb	6

1/4" Drive 6 Point Metric Standard Length Sockets


- Surface Drive® technology reduces fastener rounding
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Drive Type	Fastener Size	Length	Width	Height	Product Weight	Shelf Pack Qty.
CDS11	037103271129	6 Point	4 mm	3.35 in	0.47 in	1.69 in	0.04 lb	6
CDS12	037103271136	6 Point	5 mm	3.35 in	0.47 in	1.69 in	0.04 lb	6
CDS13	037103271143	6 Point	6 mm	3.35 in	0.47 in	1.69 in	0.04 lb	6
CDS14	037103271150	6 Point	7 mm	3.35 in	0.47 in	1.69 in	0.04 lb	6
CDS15	037103271167	6 Point	8 mm	3.35 in	0.47 in	1.69 in	0.04 lb	6
CDS16	037103271174	6 Point	9 mm	3.35 in	0.59 in	1.69 in	0.05 lb	6
CDS17	037103271181	6 Point	10 mm	3.35 in	0.59 in	1.69 in	0.05 lb	6
CDS18	037103271198	6 Point	11 mm	3.35 in	0.67 in	1.69 in	0.07 lb	6
CDS19	037103271204	6 Point	12 mm	3.35 in	0.71 in	1.69 in	0.07 lb	6
CDS20	037103271419	6 Point	13 mm	3.35 in	0.71 in	1.69 in	0.08 lb	6

1/4" Drive 6 Point SAE Deep Sockets


- Surface Drive® technology reduces fastener rounding
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Drive Type	Fastener Size	Length	Width	Height	Product Weight	Shelf Pack Qty.
CDDS0	037103271211	6 Point	5/32 in	4.33 in	0.51 in	1.69 in	0.06 lb	6
CDDS1	037103271228	6 Point	3/16 in	4.33 in	0.51 in	1.69 in	0.06 lb	6

1/4" Drive 6 Point SAE Deep Sockets Continued

Cat. No.	UPC No.	Drive Type	Fastener Size	Length	Width	Height	Product Weight	Shelf Pack Qty.
CDDS2	037103271235	6 Point	7/32 in	4.33 in	0.51 in	1.69 in	0.06 lb	6
CDDS3	037103271242	6 Point	1/4 in	4.33 in	0.51 in	1.69 in	0.06 lb	6
CDDS4	037103271259	6 Point	9/32 in	4.33 in	0.51 in	1.69 in	0.07 lb	6
CDDS5	037103271266	6 Point	5/16 in	4.33 in	0.51 in	1.69 in	0.08 lb	6
CDDS6	037103271273	6 Point	11/32 in	4.33 in	0.51 in	1.69 in	0.08 lb	6
CDDS7	037103271280	6 Point	3/8 in	4.33 in	0.59 in	1.69 in	0.10 lb	6
CDDS8	037103271297	6 Point	7/16 in	4.33 in	0.67 in	1.69 in	0.11 lb	6
CDDS9	037103271303	6 Point	1/2 in	4.33 in	0.71 in	1.69 in	0.13 lb	6

1/4" Drive 6 Point Metric Deep Sockets



- Surface Drive® technology reduces fastener rounding
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Drive Type	Fastener Size	Length	Width	Height	Product Weight	Shelf Pack Qty.
CDDS11	037103273673	6 Point	4 mm	4.33 in	0.51 in	1.69 in	0.06 lb	6
CDDS12	037103273680	6 Point	5 mm	4.33 in	0.51 in	1.69 in	0.07 lb	6
CDDS13	037103273697	6 Point	6 mm	4.33 in	0.51 in	1.69 in	0.07 lb	6
CDDS14	037103273703	6 Point	7 mm	4.33 in	0.51 in	1.69 in	0.07 lb	6
CDDS15	037103273710	6 Point	8 mm	4.33 in	0.51 in	1.69 in	0.07 lb	6
CDDS16	037103273727	6 Point	9 mm	4.33 in	0.51 in	1.69 in	0.08 lb	6
CDDS17	037103273734	6 Point	10 mm	4.33 in	0.51 in	1.69 in	.010 lb	6
CDDS18	037103273741	6 Point	11 mm	4.33 in	0.59 in	1.69 in	0.11 lb	6
CDDS19	037103273758	6 Point	12 mm	4.33 in	0.67 in	1.69 in	0.13 lb	6
CDDS20	037103271679	6 Point	13 mm	4.33 in	0.71 in	1.69 in	0.13 lb	6

1/4" Socket Rails



- Perfect to store, organize, and easily find all your sockets
- Drilled at end for easy attachment to wall, workbench, or drawer

Cat. No.	UPC No.	Drive Size	Product Weight
CSRO	037103273451	1/4"	0.40 lb

52 Pc. 3/8" Drive 6 and 12 Point SAE/Metric Standard and Deep Socket Wrench Tool Set



- 72-tooth Ratchet requires only a 5° swing
- Large quick-release button for easy operation
- Sockets feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSWS10	037103270214	Blow Mold Case	10.99 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
CRW6	3/8" Drive 72T Quick Release Ratchet	1	CDS47	3/8" Drive 12 Point Standard Metric Socket 17mm	1
CDTA8	3/8" Drive 3" Extension	1	CDS48	3/8" Drive 12 Point Standard Metric Socket 18mm	1
CDTA9	3/8" Drive 6" Extension	1	CDS49	3/8" Drive 12 Point Standard Metric Socket 19mm	1
CDTA17	3/8" Drive Universal Joint	1	CDDS23	3/8" Drive 6 Point Deep SAE Socket 1/4"	1
CSPS0	3/8" Drive Spark Plug Socket 5/8"	1	CDDS24	3/8" Drive 6 Point Deep SAE Socket 5/16"	1
CDS23	3/8" Drive 12 Point Standard SAE Socket 1/4"	1	CDDS25	3/8" Drive 6 Point Deep SAE Socket 3/8"	1
CDS24	3/8" Drive 12 Point Standard SAE Socket 5/16"	1	CDDS26	3/8" Drive 6 Point Deep SAE Socket 7/16"	1
GDS25	3/8" Drive 12 Point Standard SAE Socket 3/8"	1	CDDS27	3/8" Drive 6 Point Deep SAE Socket 1/2"	1
CDS26	3/8" Drive 12 Point Standard SAE Socket 7/16"	1	CDDS28	3/8" Drive 6 Point Deep SAE Socket 9/16"	1
CDS27	3/8" Drive 12 Point Standard SAE Socket 1/2"	1	CDDS29	3/8" Drive 6 Point Deep SAE Socket 5/8"	1
CDS28	3/8" Drive 12 Point Standard SAE Socket 9/16"	1	CDDS30	3/8" Drive 6 Point Deep SAE Socket 11/16"	1
CDS29	3/8" Drive 12 Point Standard SAE Socket 5/8"	1	CDDS31	3/8" Drive 6 Point Deep SAE Socket 3/4"	1
CDS30	3/8" Drive 12 Point Standard SAE Socket 11/16"	1	CDDS32	3/8" Drive 6 Point Deep SAE Socket 13/16"	1
CDS31	3/8" Drive 12 Point Standard SAE Socket 3/4"	1	CDDS33	3/8" Drive 6 Point Deep SAE Socket 7/8"	1
CDS32	3/8" Drive 12 Point Standard SAE Socket 13/16"	1	CDDS38	3/8" Drive 6 Point Deep Metric Socket 8mm	1
CDS33	3/8" Drive 12 Point Standard SAE Socket 7/8"	1	CDDS39	3/8" Drive 6 Point Deep Metric Socket 9mm	1
CDS37	3/8" Drive 12 Point Standard Metric Socket 7mm	1	CDDS40	3/8" Drive 6 Point Deep Metric Socket 10mm	1
CDS38	3/8" Drive 12 Point Standard Metric Socket 8mm	1	CDDS41	3/8" Drive 6 Point Deep Metric Socket 11mm	1
CDS39	3/8" Drive 12 Point Standard Metric Socket 9mm	1	CDDS42	3/8" Drive 6 Point Deep Metric Socket 12mm	1
CDS40	3/8" Drive 12 Point Standard Metric Socket 10mm	1	CDDS43	3/8" Drive 6 Point Deep Metric Socket 13mm	1
GDS41	3/8" Drive 12 Point Standard Metric Socket 11mm	1	CDDS44	3/8" Drive 6 Point Deep Metric Socket 14mm	1
CDS42	3/8" Drive 12 Point Standard Metric Socket 12mm	1	CDDS45	3/8" Drive 6 Point Deep Metric Socket 15mm	1
CDS43	3/8" Drive 12 Point Standard Metric Socket 13mm	1	CDDS46	3/8" Drive 6 Point Deep Metric Socket 16mm	1
GDS44	3/8" Drive 12 Point Standard Metric Socket 14mm	1	CDDS47	3/8" Drive 6 Point Deep Metric Socket 17mm	1
CDS45	3/8" Drive 12 Point Standard Metric Socket 15mm	1	CDDS48	3/8" Drive 6 Point Deep Metric Socket 18mm	1
CDS46	3/8" Drive 12 Point Standard Metric Socket 16mm	1	CDDS49	3/8" Drive 6 Point Deep Metric Socket 19mm	1

27 Pc. 3/8" Drive 6 and 12 Point Metric Standard and Deep Socket Wrench Tool Set



- 72-tooth Ratchet requires only a 5° swing
- Large quick-release button for easy operation
- Sockets feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection

Cat. No.	UPC No.	Packaging	Product Weight
CSWS9	037103270207	Blow Mold Case	6.03 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
CRW6	3/8" Drive 72T Quick Release Ratchet	1	CDS49	3/8" Drive 12 Point Standard Metric Socket 19mm	1
CDTA8	3/8" Drive 3" Extension	1	CDDS38	3/8" Drive 6 Point Deep Metric Socket 8mm	1
CDTA9	3/8" Drive 6" Extension	1	CDDS39	3/8" Drive 6 Point Deep Metric Socket 9mm	1
CDS38	3/8" Drive 12 Point Standard Metric Socket 8mm	1	CDDS40	3/8" Drive 6 Point Deep Metric Socket 10mm	1
CDS39	3/8" Drive 12 Point Standard Metric Socket 9mm	1	CDDS41	3/8" Drive 6 Point Deep Metric Socket 11mm	1
CDS40	3/8" Drive 12 Point Standard Metric Socket 10mm	1	CDDS42	3/8" Drive 6 Point Deep Metric Socket 12mm	1
CDS41	3/8" Drive 12 Point Standard Metric Socket 11mm	1	CDDS43	3/8" Drive 6 Point Deep Metric Socket 13mm	1
CDS42	3/8" Drive 12 Point Standard Metric Socket 12mm	1	CDDS44	3/8" Drive 6 Point Deep Metric Socket 14mm	1
CDS43	3/8" Drive 12 Point Standard Metric Socket 13mm	1	CDDS45	3/8" Drive 6 Point Deep Metric Socket 15mm	1
CDS44	3/8" Drive 12 Point Standard Metric Socket 14mm	1	CDDS46	3/8" Drive 6 Point Deep Metric Socket 16mm	1
CDS45	3/8" Drive 12 Point Standard Metric Socket 15mm	1	CDDS47	3/8" Drive 6 Point Deep Metric Socket 17mm	1
CDS46	3/8" Drive 12 Point Standard Metric Socket 16mm	1	CDDS48	3/8" Drive 6 Point Deep Metric Socket 18mm	1
CDS47	3/8" Drive 12 Point Standard Metric Socket 17mm	1	CDDS49	3/8" Drive 6 Point Deep Metric Socket 19mm	1
CDS48	3/8" Drive 12 Point Standard Metric Socket 18mm	1			

25 Pc. 3/8" Drive 6 and 12 Point SAE Standard and Deep Socket Wrench Tool Set



- 72-tooth Ratchet requires only a 5° swing
- Large quick-release button for easy operation
- Sockets feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish
- Nickel Chrome plated for long lasting protection

Cat. No.	UPC No.	Packaging	Product Weight
CSWS8	037103270191	Blow Mold Case	6.31 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
CRW6	3/8" Drive 72T Quick Release Ratchet	1	CDS33	3/8" Drive 12 Point Standard SAE Socket 7/8"	1
CDTA8	3/8" Drive 3" Extension	1	CDDS23	3/8" Drive 6 Point Deep SAE Socket 1/4"	1
CDTA9	3/8" Drive 6" Extension	1	CDDS24	3/8" Drive 6 Point Deep SAE Socket 5/16"	1
CDS23	3/8" Drive 12 Point Standard SAE Socket 1/4"	1	CDDS25	3/8" Drive 6 Point Deep SAE Socket 3/8"	1
CDS24	3/8" Drive 12 Point Standard SAE Socket 5/16"	1	CDDS26	3/8" Drive 6 Point Deep SAE Socket 7/16"	1
CDS25	3/8" Drive 12 Point Standard SAE Socket 3/8"	1	CDDS27	3/8" Drive 6 Point Deep SAE Socket 1/2"	1
CDS26	3/8" Drive 12 Point Standard SAE Socket 7/16"	1	CDDS28	3/8" Drive 6 Point Deep SAE Socket 9/16"	1
CDS27	3/8" Drive 12 Point Standard SAE Socket 1/2"	1	CDDS29	3/8" Drive 6 Point Deep SAE Socket 5/8"	1
CDS28	3/8" Drive 12 Point Standard SAE Socket 9/16"	1	CDDS30	3/8" Drive 6 Point Deep SAE Socket 11/16"	1
CDS29	3/8" Drive 12 Point Standard SAE Socket 5/8"	1	CDDS31	3/8" Drive 6 Point Deep SAE Socket 3/4"	1
CDS30	3/8" Drive 12 Point Standard SAE Socket 11/16"	1	CDDS32	3/8" Drive 6 Point Deep SAE Socket 13/16"	1
CDS31	3/8" Drive 12 Point Standard SAE Socket 3/4"	1	CDDS33	3/8" Drive 6 Point Deep SAE Socket 7/8"	1
CDS32	3/8" Drive 12 Point Standard SAE Socket 13/16"	1			

11 Pc. 3/8" Drive 12 Point SAE Socket Wrench Tool Set



- 72-tooth Ratchet requires only a 5° swing
- Large quick-release button for easy operation
- Sockets feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSWS6	037103270177	Blow Mold Case	2.65 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
CRW6	3/8" Drive 72T Quick Release Ratchet	1	CDS29	3/8" Drive 12 Point Standard SAE Socket 5/8"	1
GDTA9	3/8" Drive 6" Extension	1	CDS30	3/8" Drive 12 Point Standard SAE Socket 11/16"	1
CDS25	3/8" Drive 12 Point Standard SAE Socket 3/8"	1	CDS31	3/8" Drive 12 Point Standard SAE Socket 3/4"	1
CDS26	3/8" Drive 12 Point Standard SAE Socket 7/16"	1	CDS32	3/8" Drive 12 Point Standard SAE Socket 13/16"	1
CDS27	3/8" Drive 12 Point Standard SAE Socket 1/2"	1	CDS33	3/8" Drive 12 Point Standard SAE Socket 7/8"	1
CDS28	3/8" Drive 12 Point Standard SAE Socket 9/16"	1			

20 Pc. 3/8" Drive 12 Point SAE/Metric Socket Wrench Tool Set



- 72-tooth Ratchet requires only a 5° swing
- Large quick-release button for easy operation
- Sockets feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSWS7	037103270184	Storage Rack	2.78 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
CRW6	3/8" Drive 72T Quick Release Ratchet	1	CDS32	3/8" Drive 12 Point Standard SAE Socket 13/16"	1
CDTA8	3/8" Drive 3" Extension	1	CDS39	3/8" Drive 12 Point Standard Metric Socket 9mm	1
CDS24	3/8" Drive 12 Point Standard SAE Socket 5/16"	1	CDS40	3/8" Drive 12 Point Standard Metric Socket 10mm	1
CDS25	3/8" Drive 12 Point Standard SAE Socket 3/8"	1	CDS41	3/8" Drive 12 Point Standard Metric Socket 11mm	1
CDS26	3/8" Drive 12 Point Standard SAE Socket 7/16"	1	CDS42	3/8" Drive 12 Point Standard Metric Socket 12mm	1
GDS27	3/8" Drive 12 Point Standard SAE Socket 1/2"	1	CDS43	3/8" Drive 12 Point Standard Metric Socket 13mm	1
CDS28	3/8" Drive 12 Point Standard SAE Socket 9/16"	1	CDS44	3/8" Drive 12 Point Standard Metric Socket 14mm	1
CDS29	3/8" Drive 12 Point Standard SAE Socket 5/8"	1	CDS45	3/8" Drive 12 Point Standard Metric Socket 15mm	1
CDS30	3/8" Drive 12 Point Standard SAE Socket 11/16"	1	CDS47	3/8" Drive 12 Point Standard Metric Socket 17mm	1
CDS31	3/8" Drive 12 Point Standard SAE Socket 3/4"	1	CDS49	3/8" Drive 12 Point Standard Metric Socket 19mm	1

9 Pc. 3/8" Drive 12 Point SAE Socket Set



- Feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight	Shelf Pack Qty.
CSAS4	037103270290	Storage Rack	0.83 lb	1

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CDS23	1/4 in	CDS28	9/16 in
CDS24	5/16 in	CDS29	5/8 in
CDS25	3/8 in	CDS30	11/16 in
CDS26	7/16 in	CDS31	3/4 in
CDS27	1/2 in		

9 Pc. 3/8" Drive 12 Point Metric Socket Set



- Feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSAS5	037103270306	Storage Rack	0.86 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CDS39	9 mm	CDS44	14 mm
CDS40	10 mm	CDS45	15 mm
CDS41	11 mm	CDS47	17 mm
CDS42	12 mm	CDS49	19 mm
CDS43	13 mm		

9 Pc. 3/8" Drive 6 Point SAE Deep Socket Set



- Feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSAS6	037103270313	Storage Rack	1.74 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CDDS23	1/4 in	CDDS28	9/16 in
CDDS24	5/16 in	CDDS29	5/8 in
CDDS25	3/8 in	CDDS30	11/16 in
CDDS26	7/16 in	CDDS31	3/4 in
CDDS27	1/2 in		

9 Pc. 3/8" Drive 6 Point Metric Deep Socket Set

mm ⑥



- Feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSAS7	037103270320	Storage Rack	1.76 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CDDS39	9 mm	CDDS44	14 mm
CDDS40	10 mm	CDDS45	15 mm
CDDS41	11 mm	CDDS47	17 mm
CDDS42	12 mm	CDDS49	19 mm
CDDS43	13 mm		

10 Pc. 3/8" Drive SAE Flare Nut Crowfoot Wrench Set

SAE



- Carbon Steel
- Full polish finish
- Large stamp markings for easy size identification

Cat. No.	UPC No.	Packaging	Product Weight
CCFWS0	037103274342	Plastic Rail	1.24 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
-	3/8 in	-	11/16 in
-	7/16 in	-	3/4 in
-	1/2 in	-	13/16 in
-	9/16 in	-	7/8 in
-	5/8 in	-	15/16 in

10 Pc. 3/8" Drive Metric Flare Nut Crowfoot Wrench Set

mm



- Carbon Steel
- Full polish finish
- Large stamp markings for easy size identification

Cat. No.	UPC No.	Packaging	Product Weight
CCFWS1	037103274359	Plastic Rail	1.24 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
-	9 mm	-	14 mm
-	10 mm	-	15 mm
-	11 mm	-	17 mm
-	12 mm	-	18 mm
-	13 mm	-	19 mm

3 Pc. 3/8" Drive Extension Bar Set



- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Packaging	Product Weight
CDTA15	037103273611	Carded	1.04 lb
Cat. No.	Description	Qty.	
CDTA8	3/8" Drive 3" Extension	1	
CDTA9	3/8" Drive 6" Extension	1	
CDTA10	3/8" Drive 10" Extension	1	

3/8" Drive Quick Release Ratchet



- 72 Tooth Ratchet requires only a 5° swing
- Full Polish for Comfort
- Chrome Vanadium Alloy Steel for maximum strength

Cat. No.	UPC No.	Overall Length	Head Width	Tooth Count	Product Weight
CRW6	037103274151	10.24 in	2.00 in	72	0.81 lb

3/8" Drive Quick Release Cushion Grip Ratchet



- 72 Tooth Ratchet requires only a 5° swing
- Dual Material Grip for added Comfort
- Chrome Vanadium Alloy Steel for maximum strength
- Nickel Chrome Plated for Long Lasting Protection

Cat. No.	UPC No.	Overall Length	Head Width	Tooth Count	Product Weight
CRW7	037103274168	10.74 in	2.00 in	72	0.88 lb

3/8" Drive Flex Head Ratchet



- 72 Tooth Ratchet requires only a 5° swing
- Full Polish for Comfort
- Chrome Vanadium Alloy Steel for maximum strength

Cat. No.	UPC No.	Overall Length	Head Width	Tooth Count	Product Weight
CRW10	037103274199	11.34 in	1.38 in	72	1.09 lb

3/8" Drive Stubby Ratchet



- 72 Tooth Ratchet requires only a 5° swing
- Full Polish for Comfort
- Chrome Vanadium Alloy Steel for maximum strength

Cat. No.	UPC No.	Overall Length	Head Width	Tooth Count	Product Weight
CRW11	037103274205	6.89 in	2.00 in	72	0.59 lb

3/8" Drive Rotator Ratchet



- Ratchet Head Rotates 180° for Greater Access When Working in Confined Spaces and Around Obstructions
- Fine Tooth Ratchet Requires less than 5° Swing Arc to get Fastener Started and Greater Access
- Dual Material Cushion Grip, Holds up well Against Oil and Grease, for Comfortable Non-Slip Grip

Cat. No.	UPC No.	Overall Length	Head Width	Tooth Count	Product Weight
CRW8	037103274175	9.84 in	1.72 in	72	0.85 lb

3/8" Drive Flex Handle / Breaker Bar



- Chrome Vanadium Alloy Steel for Maximum Strength
- Nickel Chrome Plated for Long Lasting Protection

Cat. No.	UPC No.	Overall Length	Product Weight
CRW15	037103274243	11.81 in	0.73 lb

3/8" Drive Universal Joint



- Maximum operation angle of 45 degrees
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Overall Length	Female Drive Size	Male Drive Size	Product Weight
GDTA17	037103273635	4.33 in	3/8"	3/8"	0.15 lb

3/8" Drive Adapters



- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Overall Length	Female Drive Size	Male Drive Size	Product Weight
CDTA1	037103273475	3.39 in	3/8"	1/4"	0.06 lb
CDTA2	037103273482	3.74 in	3/8"	1/2"	0.12 lb

3/8" Drive Extensions



- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Length	Overall Length	Product Weight
GDTA8	037103273543	3 in	5.32 in	0.18 lb
GDTA9	037103273550	6 in	8.27 in	0.33 lb
GDTA10	037103273567	10 in	12.29 in	0.53 lb

3/8" Drive 12 Point SAE Standard Length Sockets



- Surface Drive® technology reduces fastener rounding
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Drive Type	Fastener Size	Length	Width	Height	Product Weight	Shelf Pack Qty.
CDS23	037103271440	12 Point	1/4 in	3.50 in	0.63 in	1.69 in	0.07 lb	6
CDS24	037103271457	12 Point	5/16 in	3.50 in	0.63 in	1.69 in	0.07 lb	6
CDS25	037103271464	12 Point	3/8 in	3.50 in	0.63 in	1.69 in	0.07 lb	6
CDS26	037103271471	12 Point	7/16 in	3.50 in	0.63 in	1.69 in	0.07 lb	6
CDS27	037103271488	12 Point	1/2 in	3.50 in	0.71 in	1.69 in	0.08 lb	6
CDS28	037103271495	12 Point	9/16 in	3.50 in	0.79 in	1.69 in	0.09 lb	6
CDS29	037103271501	12 Point	5/8 in	3.50 in	0.79 in	1.69 in	0.11 lb	6
CDS30	037103271518	12 Point	11/16 in	3.50 in	0.91 in	1.69 in	0.13 lb	6
CDS31	037103271525	12 Point	3/4 in	3.50 in	1.02 in	1.69 in	0.15 lb	6
CDS32	037103271532	12 Point	13/16 in	3.50 in	1.10 in	1.69 in	0.19 lb	6
CDS33	037103271549	12 Point	7/8 in	3.50 in	1.18 in	1.69 in	0.22 lb	6

3/8" Drive 12 Point Metric Standard Length Sockets



- Surface Drive® technology reduces fastener rounding
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Drive Type	Fastener Size	Length	Width	Height	Product Weight	Shelf Pack Qty.
CDS37	037103271587	12 Point	7 mm	3.50 in	0.71 in	1.69 in	0.07 lb	6
CDS38	037103271594	12 Point	8 mm	3.50 in	0.71 in	1.69 in	0.07 lb	6
CDS39	037103271600	12 Point	9 mm	3.50 in	0.71 in	1.69 in	0.07 lb	6
CDS40	037103271662	12 Point	10 mm	3.50 in	0.71 in	1.69 in	0.07 lb	6
CDS41	037103271617	12 Point	11 mm	3.50 in	0.71 in	1.69 in	0.07 lb	6
CDS42	037103271624	12 Point	12 mm	3.50 in	0.71 in	1.69 in	0.07 lb	6
CDS43	037103271631	12 Point	13 mm	3.50 in	0.71 in	1.69 in	0.08 lb	6
CDS44	037103271648	12 Point	14 mm	3.50 in	0.79 in	1.69 in	0.10 lb	6
CDS45	037103271655	12 Point	15 mm	3.50 in	0.87 in	1.69 in	0.12 lb	6
CDS46	037103271938	12 Point	16 mm	3.50 in	0.87 in	1.69 in	0.12 lb	6
CDS47	037103271945	12 Point	17 mm	3.50 in	0.98 in	1.69 in	0.14 lb	6
CDS48	037103271952	12 Point	18 mm	3.50 in	0.98 in	1.69 in	0.14 lb	6
CDS49	037103271969	12 Point	19 mm	3.50 in	1.10 in	1.69 in	0.15 lb	6
CDS51	037103271983	12 Point	21 mm	3.50 in	1.10 in	1.69 in	0.19 lb	6
CDS52	037103271990	12 Point	22 mm	3.50 in	1.10 in	1.69 in	0.21 lb	6

3/8" Drive 6 Point SAE Deep Length Sockets



- Surface Drive® technology reduces fastener rounding
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Drive Type	Fastener Size	Length	Width	Height	Product Weight	Shelf Pack Qty.
CDDS23	037103271709	6 Point	1/4 in	4.88 in	0.67 in	1.69 in	0.15 lb	6
CDDS24	037103271716	6 Point	5/16 in	4.88 in	0.67 in	1.69 in	0.15 lb	6
CDDS25	037103271723	6 Point	3/8 in	4.88 in	0.67 in	1.69 in	0.15 lb	6
CDDS26	037103271730	6 Point	7/16 in	4.88 in	0.67 in	1.69 in	0.15 lb	6
CDDS27	037103271747	6 Point	1/2 in	4.88 in	0.75 in	1.69 in	0.18 lb	6
CDDS28	037103271754	6 Point	9/16 in	4.88 in	0.79 in	1.69 in	0.19 lb	6
CDDS29	037103271761	6 Point	5/8 in	4.88 in	0.91 in	1.69 in	0.23 lb	6
CDDS30	037103271778	6 Point	11/16 in	4.88 in	0.98 in	1.69 in	0.27 lb	6
CDDS31	037103271785	6 Point	3/4 in	4.88 in	1.02 in	1.69 in	0.32 lb	6
CDDS32	037103271792	6 Point	13/16 in	4.88 in	1.10 in	1.69 in	0.36 lb	6
CDDS33	037103271808	6 Point	7/8 in	4.88 in	1.18 in	1.69 in	0.41 lb	6

3/8" Drive 6 Point Metric Deep Length Sockets



- Surface Drive® technology reduces fastener rounding
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Drive Type	Fastener Size	Length	Width	Height	Product Weight	Shelf Pack Qty.
CDDS38	037103271853	6 Point	8 mm	4.88 in	0.67 in	1.69 in	0.14 lb	6
CDDS39	037103271860	6 Point	9 mm	4.88 in	0.67 in	1.69 in	0.14 lb	6
CDDS40	037103271877	6 Point	10 mm	4.88 in	0.67 in	1.69 in	0.14 lb	6
CDDS41	037103271884	6 Point	11 mm	4.88 in	0.71 in	1.69 in	0.14 lb	6
CDDS42	037103271891	6 Point	12 mm	4.88 in	0.79 in	1.69 in	0.16 lb	6
CDDS43	037103272195	6 Point	13 mm	4.88 in	0.79 in	1.69 in	0.18 lb	6
CDDS44	037103272201	6 Point	14 mm	4.88 in	0.79 in	1.69 in	0.19 lb	6
CDDS45	037103272218	6 Point	15 mm	4.88 in	0.83 in	1.69 in	0.21 lb	6
CDDS46	037103272225	6 Point	16 mm	4.88 in	0.87 in	1.69 in	0.23 lb	6
CDDS47	037103272232	6 Point	17 mm	4.88 in	0.95 in	1.69 in	0.27 lb	6
CDDS48	037103272249	6 Point	18 mm	4.88 in	1.02 in	1.69 in	0.31 lb	6
CDDS49	037103272256	6 Point	19 mm	4.88 in	1.02 in	1.69 in	0.31 lb	6

3/8" Drive SAE Spark Plug Sockets



- Surface Drive® technology reduces fastener rounding
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Fastener Size	Length	Width	Height	Product Weight
CSPS0	037103271907	5/8 in	4.92 in	0.87 in	1.69 in	0.22 lb
CSPS1	037103271914	3/4 in	4.92 in	1.02 in	1.69 in	0.32 lb
CSPS2	037103271921	13/16 in	4.92 in	1.06 in	1.69 in	0.32 lb

3/8" Socket Rails



- Perfect to store, organize, and easily find all your sockets
- Drilled at end for easy attachment to wall, workbench, or drawer

Cat. No.	UPC No.	Drive Size	Product Weight
CSR1	037103270986	3/8"	0.44 lb

12 Pc. 1/2" Drive 12 Point SAE Socket Wrench Tool Set with Case



- 72-tooth Ratchet requires only a 5° swing
- Large quick-release button for easy operation
- Sockets feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSWS11	037103270221	Blow Mold Case	4.58 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
CRW12	1/2" Drive 72T Quick Release Ratchet	1	CDS57	1/2" Drive 12 Point Standard SAE Socket 11/16"	1
CDTA11	1/2" Drive 3" Extension	1	CDS58	1/2" Drive 12 Point Standard SAE Socket 3/4"	1
CDS53	1/2" Drive 12 Point Standard SAE Socket 7/16"	1	CDS59	1/2" Drive 12 Point Standard SAE Socket 13/16"	1
CDS54	1/2" Drive 12 Point Standard SAE Socket 1/2"	1	CDS60	1/2" Drive 12 Point Standard SAE Socket 7/8"	1
CDS55	1/2" Drive 12 Point Standard SAE Socket 9/16"	1	CDS61	1/2" Drive 12 Point Standard SAE Socket 15/16"	1
CDS56	1/2" Drive 12 Point Standard SAE Socket 5/8"	1	CDS62	1/2" Drive 12 Point Standard SAE Socket 1"	1

12 Pc. 1/2" Drive 12 Point SAE Socket Wrench Tool Set



- 72-tooth Ratchet requires only a 5° swing
- Large quick-release button for easy operation
- Sockets feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSWS12	037103270238	Storage Rack	3.77 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
CRW12	1/2" Drive 72T Quick Release Ratchet	1	CDS57	1/2" Drive 12 Point Standard SAE Socket 11/16"	1
GDTA11	1/2" Drive 3" Extension	1	CDS58	1/2" Drive 12 Point Standard SAE Socket 3/4"	1
CDS53	1/2" Drive 12 Point Standard SAE Socket 7/16"	1	CDS59	1/2" Drive 12 Point Standard SAE Socket 13/16"	1
CDS54	1/2" Drive 12 Point Standard SAE Socket 1/2"	1	CDS60	1/2" Drive 12 Point Standard SAE Socket 7/8"	1
CDS55	1/2" Drive 12 Point Standard SAE Socket 9/16"	1	CDS61	1/2" Drive 12 Point Standard SAE Socket 15/16"	1
CDS56	1/2" Drive 12 Point Standard SAE Socket 5/8"	1	CDS62	1/2" Drive 12 Point Standard SAE Socket 1"	1

8 Pc. 1/2" Drive 12 Point SAE Socket Set



- Feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight	Shelf Pack Qty.
CSAS0	037103270252	Storage Rack	1.54 lb	12

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CDS54	1/2 in	CDS58	3/4 in
CDS55	9/16 in	CDS59	13/16 in
CDS56	5/8 in	CDS60	7/8 in
CDS57	11/16 in	CDS61	15/16 in

8 Pc. 1/2" Drive 12 Point Metric Socket Set



- Feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight	Shelf Pack Qty.
CSAS1	037103270269	Storage Rack	1.33 lb	12

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CDS72	12 mm	CDS77	17 mm
CDS73	13 mm	CDS78	18 mm
CDS74	14 mm	CDS79	19 mm
CDS75	15 mm	CDS81	21 mm

8 Pc. 1/2" Drive 6 Point SAE Deep Socket Set



- Feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSAS2	037103270276	Storage Rack	3.06 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CDDS56	1/2 in	CDDS60	3/4 in
CDDS57	9/16 in	CDDS61	13/16 in
CDDS58	5/8 in	CDDS62	7/8 in
CDDS59	11/16 in	CDDS63	15/16 in

8 Pc. 1/2" Drive 6 Point Metric Deep Socket Set



- Feature Surface Drive® technology to virtually eliminate fastener rounding
- Chrome Vanadium Steel
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CSAS3	037103270283	Storage Rack	2.64 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CDDS71	12 mm	CDDS76	17 mm
CDDS72	13 mm	CDDS77	18 mm
CDDS73	14 mm	CDDS78	19 mm
CDDS74	15 mm	CDDS80	21 mm

1/2" Drive Quick Release Ratchet



- 72 Tooth Ratchet requires only a 5° swing
- Full Polish for Comfort
- Chrome Vanadium Alloy Steel for maximum strength

Cat. No.	UPC No.	Overall Length	Head Width	Tooth Count	Product Weight
CRW12	037103274212	12.28 in	2.40 in	72	1.50 lb

1/2" Drive Quick Release Cushion Grip Ratchet



- 72 Tooth Ratchet requires only a 5° swing
- Dual Material Grip for added Comfort
- Chrome Vanadium Alloy Steel for maximum strength
- Nickel Chrome Plated for Long Lasting Protection

Cat. No.	UPC No.	Overall Length	Head Width	Tooth Count	Product Weight
CRW13	037103274229	12.78 in	2.40 in	72	1.54 lb

1/2" Drive Flex Head Ratchet



- 72 Tooth Ratchet requires only a 5° swing
- Full Polish for Comfort
- Chrome Vanadium Alloy Steel for maximum strength

Cat. No.	UPC No.	Overall Length	Head Width	Tooth Count	Product Weight
CRW14	037103274236	15.08 in	1.65 in	72	1.77 lb

1/2" Drive Flex Handle / Breaker Bar



- Chrome Vanadium Alloy Steel for Maximum Strength
- Nickel Chrome Plated for Long Lasting Protection

Cat. No.	UPC No.	Overall Length	Product Weight
CRW16	037103274250	19.29 in	1.91 lb

1/2" Drive Universal Joint



- Maximum operation angle of 45 degrees
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Overall Length	Female Drive Size	Male Drive Size	Product Weight
CDTA18	037103273642	5.04 in	1/2"	1/2"	0.34 lb

1/2" Drive Adapters



- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Overall Length	Female Drive Size	Male Drive Size	Product Weight
CDTA3	037103273499	3.74 in	1/2"	3/8"	0.12 lb
CDTA4	037103273505	4.21 in	1/2"	3/4"	0.30 lb

1/2" Drive Extensions



- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Length	Overall Length	Product Weight
CDTA11	037103273574	3 in	5.32 in	0.29 lb
CDTA12	037103273581	5 in	7.32 in	0.62 lb
CDTA13	037103273598	10 in	12.29 in	0.88 lb

1/2" Drive 12 Point SAE Standard Length Sockets



- Surface Drive® technology reduces fastener rounding
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Drive Type	Fastener Size	Length	Width	Height	Product Weight	Shelf Pack Qty.
CDS53	037103272003	12 Point	7/16 in	3.94 in	0.87 in	1.69 in	0.13 lb	6
CDS54	037103272010	12 Point	1/2 in	3.94 in	0.87 in	1.69 in	0.13 lb	6
CDS55	037103272027	12 Point	9/16 in	3.94 in	0.87 in	1.69 in	0.13 lb	6
CDS56	037103272034	12 Point	5/8 in	3.94 in	0.87 in	1.69 in	0.14 lb	6
CDS57	037103272041	12 Point	11/16 in	3.94 in	0.98 in	1.69 in	0.17 lb	6
CDS58	037103272058	12 Point	3/4 in	3.94 in	1.02 in	1.69 in	0.19 lb	6
CDS59	037103272065	12 Point	13/16 in	3.94 in	1.10 in	1.69 in	0.22 lb	6
CDS60	037103272072	12 Point	7/8 in	3.94 in	1.18 in	1.69 in	0.26 lb	6
CDS61	037103272089	12 Point	15/16 in	3.94 in	1.26 in	1.69 in	0.30 lb	6
CDS62	037103272096	12 Point	1 in	4.06 in	1.38 in	1.69 in	0.35 lb	6
CDS63	037103272102	12 Point	1-1/16 in	4.06 in	1.42 in	1.69 in	0.40 lb	6
CDS64	037103272119	12 Point	1-1/8 in	4.06 in	1.50 in	1.69 in	0.45 lb	6
CDS66	037103272133	12 Point	1-1/4 in	4.06 in	1.65 in	1.69 in	0.58 lb	6

1/2" Drive 12 Point Metric Standard Length Sockets



- Surface Drive® technology reduces fastener rounding
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Drive Type	Fastener Size	Length	Width	Height	Product Weight	Shelf Pack Qty.
CDS72	037103272430	12 Point	12 mm	3.94 in	0.87 in	1.69 in	0.12 lb	6
CDS73	037103272447	12 Point	13 mm	3.94 in	0.87 in	1.69 in	0.13 lb	6
CDS74	037103272454	12 Point	14 mm	3.94 in	0.87 in	1.69 in	0.13 lb	6
CDS75	037103272461	12 Point	15 mm	3.94 in	0.87 in	1.69 in	0.14 lb	6
CDS76	037103272478	12 Point	16 mm	3.94 in	0.87 in	1.69 in	0.14 lb	6
CDS77	037103272485	12 Point	17 mm	3.94 in	0.98 in	1.69 in	0.18 lb	6
CDS78	037103272492	12 Point	18 mm	3.94 in	1.02 in	1.69 in	0.18 lb	6
CDS79	037103272508	12 Point	19 mm	3.94 in	1.02 in	1.69 in	0.18 lb	6
CDS80	037103272515	12 Point	20 mm	3.94 in	1.10 in	1.69 in	0.22 lb	6
CDS81	037103272522	12 Point	21 mm	3.94 in	1.10 in	1.69 in	0.22 lb	6
CDS82	037103272539	12 Point	22 mm	3.94 in	1.18 in	1.69 in	0.25 lb	6
CDS84	037103272553	12 Point	24 mm	3.94 in	1.26 in	1.69 in	0.29 lb	6
CDS87	037103272584	12 Point	27 mm	3.94 in	1.42 in	1.69 in	0.39 lb	6

1/2" Drive 6 Point SAE Deep Length Sockets



- Surface Drive® technology reduces fastener rounding
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Drive Type	Fastener Size	Length	Width	Height	Product Weight	Shelf Pack Qty.
CDDS55	037103272317	6 Point	7/16 in	5.39 in	0.87 in	1.69 in	0.27 lb	6
CDDS56	037103272324	6 Point	1/2 in	5.39 in	0.87 in	1.69 in	0.27 lb	6
CDDS57	037103272331	6 Point	9/16 in	5.39 in	0.87 in	1.69 in	0.27 lb	6
CDDS58	037103272348	6 Point	5/8 in	5.39 in	0.87 in	1.69 in	0.27 lb	6
CDDS59	037103272355	6 Point	11/16 in	5.39 in	0.95 in	1.69 in	0.32 lb	6
CDDS60	037103272362	6 Point	3/4 in	5.39 in	1.06 in	1.69 in	0.38 lb	6
CDDS61	037103272379	6 Point	13/16 in	5.39 in	1.10 in	1.69 in	0.45 lb	6
CDDS62	037103272386	6 Point	7/8 in	5.39 in	1.18 in	1.69 in	0.53 lb	6
CDDS63	037103272393	6 Point	15/16 in	5.39 in	1.26 in	1.69 in	0.59 lb	6
CDDS64	037103272409	6 Point	1 in	5.39 in	1.34 in	1.69 in	0.69 lb	6
CDDS65	037103273772	6 Point	1-1/16 in	5.39 in	1.42 in	1.69 in	0.76 lb	6
CDDS66	037103273789	6 Point	1-1/8 in	5.39 in	1.50 in	1.69 in	0.87 lb	6
CDDS67	037103273796	6 Point	1-1/4 in	5.39 in	1.69 in	1.69 in	1.05 lb	5

1/2" Drive 6 Point Metric Deep Length Sockets



- Surface Drive® technology reduces fastener rounding
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Drive Type	Fastener Size	Length	Width	Height	Product Weight	Shelf Pack Qty.
CDDS71	037103273765	6 Point	12 mm	5.39 in	0.87 in	1.69 in	0.28 lb	6
CDDS72	037103273802	6 Point	13 mm	5.39 in	0.87 in	1.69 in	0.28 lb	6
CDDS73	037103273819	6 Point	14 mm	5.39 in	0.87 in	1.69 in	0.28 lb	6
CDDS74	037103273826	6 Point	15 mm	5.39 in	0.87 in	1.69 in	0.28 lb	6
CDDS75	037103273833	6 Point	16 mm	5.39 in	0.87 in	1.69 in	0.28 lb	6
CDDS76	037103273840	6 Point	17 mm	5.39 in	0.95 in	1.69 in	0.33 lb	6
CDDS77	037103273895	6 Point	18 mm	5.39 in	1.02 in	1.69 in	0.38 lb	6
CDDS78	037103273901	6 Point	19 mm	5.39 in	1.02 in	1.69 in	0.38 lb	6
CDDS80	037103273918	6 Point	21 mm	5.39 in	1.10 in	1.69 in	0.44 lb	6

1/2" Drive SAE Spark Plug Sockets



- Surface Drive® technology reduces fastener rounding
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Fastener Size	Length	Width	Height	Product Weight
CSPS3	037103272416	5/8 in	4.96 in	0.87 in	1.69 in	0.23 lb
CSPS4	037103272423	13/16 in	4.96 in	0.87 in	1.69 in	0.34 lb

1/2" Socket Rails



- Perfect to store, organize, and easily find all your sockets
- Drilled at end for easy attachment to wall, workbench, or drawer

Cat. No.	UPC No.	Drive Size	Product Weight
CSR2	037103270993	1/2"	0.46 lb

21 Pc. 3/4" Drive 12 Point SAE Mechanics Tool Set



- World famous Crescent brand
- Exceeds ANSI specifications
- Providing quality tools since 1907

Cat. No.	UPC No.	Packaging	Product Weight
CTK21SAE	037103223784	Boxed	36.00 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	3/4" Drive, 24-Tooth Quick-release Ratchet Drive with Knurled Handle	1	-	3/4" Drive, 8" Extension	1
-	3/4" Drive, Swivel Breaker Bar	1	-	3/4" Drive, 16" Extension	1
-	3/4" Drive, 4" Extension	1	-	3/4" Drive, 12-Point Sockets: 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4", 1 5/16", 1 3/8", 1 7/16", 1 1/2", 1 5/8", 1 3/4", 1 13/16", 1 7/8", 2"	16

14 Pc. 3/4" Drive 12 Point SAE Mechanics Tool Set



- World famous Crescent brand
- Exceeds ANSI specifications
- Providing quality tools since 1907

Cat. No.	UPC No.	Packaging	Product Weight
CTK14SAE	037103223807	Boxed	26.00 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	3/4" Drive, 24-Tooth Quick-release Ratchet Drive with Knurled Handle	1	-	3/4" Drive, 8" Extension	1
-	3/4" Drive, Swivel Breaker Bar with Knurled Handle	1	-	3/4" Drive, 12-Point Sockets: 7/8", 15/16", 1", 1 1/8", 1 1/4", 1 7/16", 1 1/2", 1 5/8", 1 3/4", 2"	10
-	3/4" Drive, 4" Extension	1			

3/4" Drive Ratchet



- Chrome Vanadium Steel for maximum strength
- Nickel Chrome plated for long lasting protection

Cat. No.	UPC No.	Overall Length	Product Weight
CRW19	037103274281	22.13 in	5.29 lb

3/4" Drive Sliding T-Handle



- Chrome Vanadium Steel for maximum strength
- Nickel Chrome plated for long lasting protection

Cat. No.	UPC No.	Overall Length	Product Weight
CRW24	037103274335	20.08 in	2.94 lb

3/4" Drive Adapter



- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Overall Length	Female Drive Size	Male Drive Size	Product Weight
CDTA5	037103273512	5.12 in	3/4"	1/2"	0.48 lb

3/4" Drive Extensions



- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Length	Overall Length	Product Weight
CRW20	037103274298	4 in	6.89 in	0.95 lb
CRW21	037103274304	8 in	11.02 in	1.76 lb
CRW22	037103274311	16 in	18.50 in	3.42 lb

3/4" Drive Flex Handle / Breaker Bar



- Chrome Vanadium Alloy Steel for Maximum Strength
- Nickel Chrome Plated for Long Lasting Protection

Cat. No.	UPC No.	Overall Length	Product Weight
CRW23	037103274328	21.06 in	3.97 lb

3/4" Drive 12 Point SAE Standard Length Sockets



- Surface Drive® technology reduces fastener rounding
- Chrome Vanadium alloy steel for long lasting durability
- Nickel chrome plated for long lasting protection

Cat. No.	UPC No.	Packaging	Drive Type	Fastener Size	Length	Width	Height	Product Weight	Shelf Pack Qty.
CDS91	037103273925	Carded	12 Point	7/8 in	4.92 in	1.42 in	2.36 in	0.47 lb	6
CDS92	037103273932	Carded	12 Point	15/16 in	4.92 in	1.42 in	2.36 in	0.47 lb	6
CDS93	037103273949	Carded	12 Point	1 in	4.96 in	1.50 in	2.36 in	0.57 lb	6
CDS94	037103273956	Carded	12 Point	1-1/16	4.96 in	1.50 in	2.36 in	0.57 lb	6
CDS95	037103273963	Carded	12 Point	1-1/8 in	4.96 in	1.58 in	2.36 in	0.60 lb	6
CDS97	037103273970	Carded	12 Point	1-1/4 in	5.12 in	1.73 in	2.36 in	0.69 lb	6
CDS98	037103273987	Carded	12 Point	1-5/16 in	5.16 in	1.81 in	2.36 in	0.74 lb	6
CDS99	037103273994	Carded	12 Point	1-3/8 in	5.20 in	1.81 in	2.36 in	0.74 lb	6
CDS100	037103274007	Carded	12 Point	1-7/16 in	5.20 in	1.97 in	2.36 in	0.95 lb	6
CDS101	037103274014	Carded	12 Point	1-1/2 in	5.32 in	2.05 in	2.36 in	1.07 lb	6
CDS102	037103274021	Carded	12 Point	1-5/8 in	5.39 in	2.20 in	2.36 in	1.25 lb	6
CDS103	037103274038	Carded	12 Point	1-11/16 in	5.51 in	2.28 in	2.36 in	1.43 lb	6
CDS104	037103274045	Carded	12 Point	1-3/4 in	5.51 in	2.36 in	2.36 in	1.43 lb	6
CDS105	037103274052	Carded	12 Point	1-13/16 in	5.59 in	2.56 in	2.36 in	1.50 lb	6
CDS106	037103274069	Carded	12 Point	1-7/8 in	5.71 in	2.56 in	2.36 in	1.58 lb	6
CDS107	037103274076	Carded	12 Point	2 in	5.79 in	2.76 in	2.36 in	1.74 lb	6

8 Pc. 1/2" Drive 6 Point SAE Impact Socket Set



- Chrome Vanadium Steel for maximum strength
- Corrosion resistant black oxide coating
- Laser markings for easy identification
- Exceeds ASME specifications

Cat. No.	UPC No.	Packaging	Product Weight
CIMS0	037103270375	Storage Rack	1.85 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
-	7/16 in	-	11/16 in
-	1/2 in	-	3/4 in
-	9/16 in	-	13/16 in
-	5/8 in	-	7/8 in

8 Pc. 1/2" Drive 6 Point Metric Impact Socket Set



- Chrome Vanadium Steel for maximum strength
- Corrosion resistant black oxide coating
- Laser markings for easy identification
- Exceeds ASME specifications

Cat. No.	UPC No.	Packaging	Product Weight
CIMS1	037103270382	Storage Rack	1.83 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
-	12 mm	-	17 mm
-	13 mm	-	18 mm
-	14 mm	-	19 mm
-	15 mm	-	21 mm

8 Pc. 1/2" Drive 6 Point Metric Deep Impact Socket Set



- Chrome Vanadium Steel for maximum strength
- Corrosion resistant black oxide coating
- Laser markings for easy identification
- Exceeds ASME specifications

Cat. No.	UPC No.	Packaging	Product Weight
CIMS3	037103270405	Storage Rack	3.66 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
-	12 mm	-	17 mm
-	13 mm	-	18 mm
-	14 mm	-	19 mm
-	15 mm	-	21 mm

8 Pc. 1/2" Drive 6 Point SAE Deep Impact Socket Set



- Chrome Vanadium Steel for maximum strength
- Corrosion resistant black oxide coating
- Laser markings for easy identification
- Exceeds ASME specifications

Cat. No.	UPC No.	Packaging	Product Weight
CIMS2	037103270399	Storage Rack	3.80 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
-	7/16 in	-	11/16 in
-	1/2 in	-	3/4 in
-	9/16 in	-	13/16 in
-	5/8 in	-	7/8 in

12 Pc. 1/4" and 3/8" Drive Torx® Bit Socket Set



- Full Polish Nickel Chrome Plated Base
- Includes Storage Rack

Cat. No.	UPC No.	Packaging	Product Weight
CBSS2	037103270436	Storage Rack	0.93 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
CDTS0	1/4" Drive TORX® Bit Socket, T-10	1	CDTS6	3/8" Drive TORX® Bit Socket, T-40	1
CDTS1	1/4" Drive TORX® Bit Socket, T-15	1	CDTS7	3/8" Drive TORX® Bit Socket, T-45	1
CDTS2	1/4" Drive TORX® Bit Socket, T-20	1	CDTS8	3/8" Drive TORX® Bit Socket, T-47	1
CDTS3	1/4" Drive TORX® Bit Socket, T-25	1	CDTS9	3/8" Drive TORX® Bit Socket, T-50	1
CDTS4	1/4" Drive TORX® Bit Socket, T-27	1	CDTS10	3/8" Drive TORX® Bit Socket, T-55	1
CDTS5	1/4" Drive TORX® Bit Socket, T-30	1	CDTS11	3/8" Drive TORX® Bit Socket, T-60	1

7 Pc. 3/8" Drive SAE Hex Bit Socket Set



- Full Polish Nickel Chrome Plated Base
- Includes Storage Rack

Cat. No.	UPC No.	Packaging	Product Weight
CBSS0	037103270412	Storage Rack	0.73 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CHBS0	1/8"	CHBS4	1/4"
CHBS1	5/32"	CHBS5	5/16"
CHBS2	3/16"	CHBS6	3/8"
CHBS3	7/32"		

7 Pc. 3/8" Drive Metric Hex Bit Socket Set



- Full Polish Nickel Chrome Plated Base
- Includes Storage Rack

Cat. No.	UPC No.	Packaging	Product Weight
CBSS1	037103270429	Storage Rack	0.73 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
-	3 mm	CHBS10	7 mm
CHBS7	4 mm	CHBS11	8 mm
CHBS8	5 mm	CHBS12	10 mm
CHBS9	6 mm		

1/4" Drive Torx® Bit Sockets



- Chrome Vanadium alloy steel socket base for long lasting durability
- Nickel chrome plated socket base for long lasting protection

Cat. No.	UPC No.	Fastener Size	Length	Width	Height	Product Weight
CDTS0	037103272720	T-10	3.82 in	0.55 in	1.69 in	0.05 lb
CDTS1	037103272737	T-15	3.82 in	0.55 in	1.69 in	0.05 lb
CDTS2	037103272744	T-20	3.82 in	0.55 in	1.69 in	0.05 lb
CDTS3	037103272751	T-25	3.82 in	0.55 in	1.69 in	0.05 lb
CDTS4	037103272768	T-27	3.82 in	0.55 in	1.69 in	0.05 lb
CDTS5	037103272775	T-30	3.82 in	0.55 in	1.69 in	0.05 lb

3/8" Drive Torx® Bit Sockets



- Chrome Vanadium alloy steel socket base for long lasting durability
- Nickel chrome plated socket base for long lasting protection

Cat. No.	UPC No.	Fastener Size	Length	Width	Height	Product Weight
CDTS6	037103272782	T-40	4.25 in	0.71 in	1.69 in	0.09 lb
CDTS7	037103272799	T-45	4.25 in	0.71 in	1.69 in	0.11 lb
CDTS8	037103272805	T-47	4.25 in	0.71 in	1.69 in	0.12 lb
CDTS9	037103272812	T-50	4.25 in	0.71 in	1.69 in	0.12 lb
CDTS10	037103272829	T-55	4.25 in	0.71 in	1.69 in	0.12 lb
CDTS11	037103274427	T-60	4.25 in	0.71 in	1.69 in	0.13 lb

3/8" Drive SAE/Metric Hex Bit Sockets



- Chrome Vanadium alloy steel socket base for long lasting durability
- Nickel chrome plated socket base for long lasting protection

Cat. No.	UPC No.	Fastener Size	Length	Width	Height	Product Weight
CHBS0	037103272591	1/8"	4.25 in	0.71 in	1.69 in	0.09 lb
CHBS1	037103272607	5/32"	4.25 in	0.71 in	1.69 in	0.09 lb
CHBS2	037103272614	3/16"	4.25 in	0.71 in	1.69 in	0.09 lb
CHBS3	037103272621	7/32"	4.25 in	0.71 in	1.69 in	0.09 lb
CHBS4	037103282637	1/4"	4.25 in	0.71 in	1.69 in	0.10 lb
CHBS5	037103272645	5/16"	4.25 in	0.71 in	1.69 in	0.11 lb
CHBS6	037103272652	3/8"	4.25 in	0.71 in	1.69 in	0.13 lb
CHBS7	037103272669	4 mm	4.25 in	0.71 in	1.69 in	0.09 lb
CHBS8	037103272676	5 mm	4.25 in	0.71 in	1.69 in	0.09 lb
CHBS9	037103272683	6 mm	4.25 in	0.71 in	1.69 in	0.10 lb
CHBS10	037103272690	7 mm	4.25 in	0.71 in	1.69 in	0.11 lb
CHBS11	037103272706	8 mm	4.25 in	0.71 in	1.69 in	0.11 lb
CHBS12	037103272713	10 mm	4.25 in	0.71 in	1.69 in	0.13 lb

14 Pc. SAE Combination Wrench Set



- Chrome Vanadium Alloy Steel for long lasting durability
- Surface Drive® technology on box-end virtually eliminates fastener rounding
- Heat treated for maximum strength
- Sizes stamped on both sides for easy identification
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CCWS4	037103270481	Canvas Pouch	12.68 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
CCW3	3/8 in	CCW10	13/16 in	CCW7	5/8 in	CCW14	1-1/16 in
CCW4	7/16 in	CCW11	7/8 in	CCW8	11/16 in	CCW15	1-1/8 in
CCW5	1/2 in	CCW12	15/16 in	CCW9	3/4 in	CCW16	1-1/4 in
CCW6	9/16 in	CCW13	1 in				

15 Pc. Metric Combination Wrench Set



- Chrome Vanadium Alloy Steel for long lasting durability
- Surface Drive® technology on box-end virtually eliminates fastener rounding
- Heat treated for maximum strength
- Sizes stamped on both sides for easy identification
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CCWS5	037103270498	Canvas Pouch	5.69 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
CCW18	7 mm	CCW26	15 mm	CCW22	11 mm	CCW30	19 mm
CCW19	8 mm	CCW27	16 mm	CCW23	12 mm	CCW31	20 mm
CCW20	9 mm	CCW28	17 mm	CCW24	13 mm	CCW32	21 mm
CCW21	10 mm	CCW29	18 mm	CCW25	14 mm		

10 Pc. SAE Combination Wrench Set



- Chrome Vanadium Alloy Steel for long lasting durability
- Surface Drive® technology on box-end virtually eliminates fastener rounding
- Heat treated for maximum strength
- Sizes stamped on both sides for easy identification
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CCWS2	037103270467	Storage Tray	2.34 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CCW0	1/4 in	CCW5	1/2 in
CCW1	5/16 in	CCW6	9/16 in
-	11/32 in	CCW7	5/8 in
CCW3	3/8 in	CCW8	11/16 in
CCW4	7/16 in	CCW9	3/4 in

10 Pc. Metric Combination Wrench Set

mm 12



- Chrome Vanadium Alloy Steel for long lasting durability
- Surface Drive® technology on box-end virtually eliminates fastener rounding
- Heat treated for maximum strength
- Sizes stamped on both sides for easy identification
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CCWS3	037103270474	Storage Tray	2.43 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CCW19	8 mm	CCW24	13 mm
CCW20	9 mm	CCW25	14 mm
CCW21	10 mm	CCW26	15 mm
CCW22	11 mm	CCW28	17 mm
CCW23	12 mm	CCW30	19 mm

6 Pc. SAE Combination Wrench Set

SAE 12



- Chrome Vanadium Alloy Steel for long lasting durability
- Surface Drive® technology on box-end virtually eliminates fastener rounding
- Heat treated for maximum strength
- Sizes stamped on both sides for easy identification
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CCWS0	037103270443	Storage Tray	1.54 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CCW3	3/8 in	CCW6	9/16 in
CCW4	7/16 in	CCW7	5/8 in
CCW5	1/2 in	CCW8	11/16 in

6 Pc. Metric Combination Wrench Set

mm 12



- Chrome Vanadium Alloy Steel for long lasting durability
- Surface Drive® technology on box-end virtually eliminates fastener rounding
- Heat treated for maximum strength
- Sizes stamped on both sides for easy identification
- Nickel Chrome plated for long lasting protection
- Mirror polish finish

Cat. No.	UPC No.	Packaging	Product Weight
CCWS1	037103270450	Storage Tray	1.54 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size
CCW19	8 mm	CCW23	12 mm
CCW20	9 mm	CCW24	13 mm
CCW21	10 mm	CCW25	14 mm

12 Point SAE Full Polish Combination Wrenches



- Full polished for comfort and ease of use
- Nickel chrome plated for long lasting protection
- Sizes stamped on both sides for easy reading
- Chrome Vanadium alloy steel for long lasting durability

Cat. No.	UPC No.	Packaging	Fastener Size	Overall Length	Width	Height	Product Weight
CCW0	037103272836	Carded	1/4 in	5.00 in	0.51 in	0.24 in	0.06 lb
CCW1	037103272843	Carded	5/16 in	5.51 in	0.63 in	0.31 in	0.07 lb
CCW3	037103272867	Carded	3/8 in	6.22 in	0.83 in	0.31 in	0.12 lb
CCW4	037103272874	Carded	7/16 in	6.50 in	0.89 in	0.31 in	0.15 lb
CCW5	037103272881	Carded	1/2 in	6.97 in	1.04 in	0.39 in	0.17 lb
CCW6	037103272898	Carded	9/16 in	7.52 in	1.14 in	0.39 in	0.20 lb
CCW7	037103272935	Carded	5/8 in	8.19 in	1.30 in	0.47 in	0.29 lb
CCW8	037103272942	Carded	11/16 in	8.90 in	1.40 in	0.55 in	0.31 lb
CCW9	037103272959	Carded	3/4 in	9.76 in	1.56 in	0.55 in	0.44 lb
CCW10	037103272966	Carded	13/16 in	10.67 in	1.73 in	0.63 in	0.62 lb
CCW11	037103272973	Carded	7/8 in	11.54 in	1.81 in	0.63 in	0.64 lb
CCW12	037103272980	Carded	15/16 in	12.40 in	1.99 in	0.71 in	0.86 lb
CCW13	037103272997	Carded	1 in	13.15 in	2.07 in	0.71 in	0.88 lb
CCW14	037103273000	Carded	1-1/16 in	14.13 in	2.22 in	0.79 in	1.21 lb
CCW15	037103273017	Carded	1-1/8 in	15.87 in	2.46 in	0.87 in	1.43 lb
CCW16	037103273024	Carded	1-1/4 in	16.95 in	2.58 in	0.87 in	1.94 lb

12 Point Metric Full Polish Combination Wrenches



- Full polished for comfort and ease of use
- Nickel chrome plated for long lasting protection
- Sizes stamped on both sides for easy reading
- Chrome Vanadium alloy steel for long lasting durability

Cat. No.	UPC No.	Fastener Size	Overall Length	Width	Height	Product Weight
CCW18	037103273048	7 mm	5.28 in	0.59 in	0.24 in	0.06 lb
CCW19	037103273055	8 mm	5.51 in	0.63 in	0.31 in	0.07 lb
CCW20	037103273062	9 mm	5.91 in	0.75 in	0.31 in	0.09 lb
CCW21	037103273079	10 mm	6.22 in	0.83 in	0.31 in	0.12 lb
CCW22	037103273086	11 mm	6.50 in	0.89 in	0.31 in	0.15 lb
CCW23	037103273093	12 mm	6.77 in	0.98 in	0.39 in	0.16 lb
CCW24	037103273109	13 mm	6.97 in	1.04 in	0.39 in	0.17 lb
CCW25	037103273116	14 mm	7.52 in	1.14 in	0.39 in	0.20 lb
CCW26	037103273123	15 mm	7.87 in	1.22 in	0.47 in	0.28 lb
CCW27	037103273130	16 mm	8.19 in	1.30 in	0.47 in	0.29 lb

12 Point Metric Full Polish Combination Wrenches Continued

Cat. No.	UPC No.	Fastener Size	Overall Length	Width	Height	Product Weight
CCW28	037103273284	17 mm	8.90 in	1.40 in	0.55 in	0.31 lb
CCW29	037103273154	18 mm	9.33 in	1.48 in	0.55 in	0.42 lb
CCW30	037103273161	19 mm	9.76 in	1.56 in	0.55 in	0.44 lb
CCW31	037103273178	20 mm	10.43 in	1.63 in	0.63 in	0.61 lb
CCW32	037103273185	21 mm	10.67 in	1.73 in	0.63 in	0.62 lb
CCW33	037103273659	22 mm	11.54 in	1.81 in	0.63 in	0.64 lb
CCW35	037103273666	24 mm	12.40 in	1.99 in	0.71 in	0.86 lb

12 Point SAE Jumbo Combination Wrenches



■ Sizes stamped on both sizes for easy reading

■ Chrome Vanadium alloy steel for long lasting durability

Cat. No.	UPC No.	Fastener Size	Overall Length	Width	Height	Product Weight
CJCW0	037103273192	1-5/16 in	18.70 in	2.68 in	0.87 in	2.23 lb
CJCW1	037103273208	1-3/8 in	18.70 in	2.68 in	0.87 in	2.40 lb
CJCW2	037103273215	1-7/16 in	19.69 in	3.03 in	0.98 in	3.18 lb
CJCW3	037103273222	1-1/2 in	19.69 in	3.03 in	0.98 in	3.34 lb
CJCW4	037103273239	1-5/8 in	22.83 in	3.31 in	1.06 in	4.21 lb
CJCW5	037103273246	1-11/16 in	22.83 in	3.31 in	1.06 in	4.45 lb
CJCW6	037103273253	1-3/4 in	24.02 in	3.66 in	1.18 in	5.27 lb
CJCW7	037103273260	1-13/16 in	24.02 in	3.66 in	1.18 in	5.51 lb
CJCW8	037103273277	1-7/8 in	25.59 in	3.82 in	1.38 in	6.68 lb
CJCW9	037103273147	2 in	25.59 in	3.82 in	1.38 in	6.61 lb

2 Pc. X6™ 4-in-1 SAE Ratcheting Wrench Set



- Innovative stepped box ends deliver access and clearance
- 5 degree ratcheting arc provides great access to fasteners
- Fits 6 fastener types - Hex, Square, 12 pt., E-Torx®, Rounded Hex, and Spline
- Smooth profile allows for more torque to be comfortably applied to the fastener
- Each wrench is capable of 4 sizes: 5/16", 3/8", 7/16", 1/2", and 9/16", 5/8", 11/16", 3/4" for a total of 8 sizes in just 2 wrenches

Cat. No.	UPC No.	Packaging	Product Weight
CX6DBS2	037103263469	Carded	1.10 lb

2 Pc. X6™ 4-in-1 Metric Ratcheting Wrench Set



- Innovative stepped box ends deliver access and clearance
- 5 degree ratcheting arc provides great access to fasteners
- Fits 6 fastener types - Hex, Square, 12 pt., E-Torx®, Rounded Hex, and Spline
- Smooth profile allows for more torque to be comfortably applied to the fastener
- Each wrench is capable of 4 sizes: 8mm, 10mm, 12mm, 13mm, and 14mm, 15mm, 17mm, 19mm for a total of 8 sizes in just 2 wrenches

Cat. No.	UPC No.	Packaging	Product Weight
CX6DBM2	037103263445	Carded	1.10 lb

7 Pc. X6™ SAE Open End Ratcheting Wrench Set



- Ratcheting open end turns nuts and bolts without removing wrench from fastener
- Fits 6 fastener types - Hex, Square, 12 pt., E-Torx®, Rounded Hex, and Spline
- Smooth profile allows for more torque to be comfortably applied to the fastener

Cat. No.	UPC No.	Packaging	Product Weight
CX6RWS7	037103263452	Storage Tray	2.64 lb

Cat. No.	Description
-	X6™ Ratcheting Open End Wrench Set, SAE: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16"

7 Pc. X6™ Metric Open End Ratcheting Wrench Sets

mm

*****X6



- Ratcheting open end turns nuts and bolts without removing wrench from fastener
- Fits 6 fastener types - Hex, Square, 12 pt., E-Torx®, Rounded Hex, and Spline
- Smooth profile allows for more torque to be comfortably applied to the fastener

Cat. No.	UPC No.	Packaging	Product Weight
CX6RWM7	037103263476	Storage Tray	2.64 lb
Cat. No.	Description		
-	X6™ Ratcheting Open End Wrench Set, SAE: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16"		

20 Pc. X6™ Pass-Thru Ratchet & Socket Set

SAE mm



- Pass-thru socket and ratchet system eliminates the need for deep sockets
- Fits 6 fastener types: Hex, Square, 12 pt., E-Torx®, Rounded Hex, Spline
- Up to 40% stronger than standard ratchets
- 5° ratcheting arc provides great access to fasteners
- Up to 50% thinner than standard ratchets for greater access
- Adapter converts X6 to a standard ratchet for traditional square drive sockets

Cat. No.	UPC No.	Packaging	Product Weight		
CX6PT20	037103263438	Storage Tray	2.86 lb		
Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	X6™ Low Profile Ratchet	1	-	X6™ SAE Sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"	9
-	X6™ Adapter	1	-	X6™ Metric Sockets: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 17mm, 18mm, 19mm	9

Code Red™ Indexing Flat Renovation Bar



- Head Indexes Over 180 Degrees and Locks in 16 Positions
- Raised Striking Surface Provides Solid Surface to Hit for Loosening and Penetration
- Angles Head with Nail Slot for Prying and Pulling Nails and Boards
- Durable Two-Tone Grip Provides Comfort, Control, and Safety
- Narrow Jab End for Extreme Prying and Leverage

Cat. No.	UPC No.	Packaging	Length	Extendable Length	Product Weight
DB18X	037103257864	Boxed	18.0 in	No	3.00 lb
DB30X	037103257871	Boxed	30.0 in	No	4.10 lb

Code Red™ Adjustable Pry Bar



- Adjustable Jaws Slide and Clamp to Fit Onto Objects for Straightening and Prying
- Striking Hammer head surface for Persuasion
- Large Claw on Head That Adjusts for Leverage in Pulling Nails
- Crow Bar End with Nail Puller Slot

Cat. No.	UPC No.	Packaging	Length	Product Weight
DB16	037103257888	Boxed	16 in	3.68 lb
DB24	037103257895	Boxed	24 in	4.43 lb

Code Red™ Flat Pry Bar



- Precision Ground Ends for Nail Pulling with Less Material Damage
- Durable High Visibility Red Finish is Corrosion-Resistant
- Nail Slot in End and Center for Access to Pulling Nails
- Radius End Design Adds Strength and Provides Better Prying Leverage

Cat. No.	UPC No.	Packaging	Length	Product Weight
FB13	037103257819	Carded	13 in	1.46 lb
FB15	037103257826	Carded	15 in	1.59 lb
FB7	037103257796	Carded	7 in	0.27 lb

Code Red™ Molding Bars



- Striking Face Has Ground Surface for Precision Nailing
- Precision Ground Ends for Nail Pulling with Less Material Damage
- Nail Slot in Both Claw and Pry Ends for Access to Pulling
- Durable High Visibility Red Finish is Corrosion-Resistant

Cat. No.	UPC No.	Packaging	Length	Product Weight
MB10	037103257840	Carded	10 in	0.76 lb
MB12	037103257857	Carded	12 in	0.80 lb
MB8	037103257833	Carded	8 in	0.50 lb

Code Red™ Nail Pulling Pliers



- Allows Users to Easily Extract Nails Regardless of Size or if the Head of Nail is Damaged or Removed
- Dual Handles Make it Quick and Easy to Grip, Roll, and Remove Nails or Staples
- Forged Steel Handles and Head Create a Durable Tool with Rubber Grips for Comfort and Control

Cat. No.	UPC No.	Packaging	Length	Product Weight
NP11	037103263582	Carded	11 in	1.5 lb

Nail Puller



- Box-Joint, Forged Alloy, Hardened and Tempered Jaw
- Black Enamel Finish
- Conforms to US Federal Spec. GGG-P-79Lb, Type 1, Class-1

Cat. No.	UPC No.	Packaging	Length	Ext. Length	Product Weight
56	037103462848	Carded	19 in	19 in	4.20 lb

2 Pc. X2™ Long Reach Plier Set



- Long reach pliers with compound action joint for increased access in tight spaces
- Flush rivets for strength and thinner profile
- Dual material grips for added comfort
- Milled grooves in tips grip fasteners and other objects tightly

Cat. No.	UPC No.	Packaging	Product Weight
PSX204C	037103274922	Carded	2.00 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
PSX200C	X2™ Straight Long Nose Plier	1	PSX201C	X2™ Bent Long Nose Plier	1

X2™ Long Reach Pliers



- Long reach pliers with compound action joint for increased access in tight spaces
- Flush rivets for strength and thinner profile
- Dual material grips for added comfort
- Milled grooves in tips grip fasteners and other objects tightly

Cat. No.	UPC No.	Packaging	Style	Overall Length	Jaw Length	Product Weight
PSX200C	037103241795	Carded	Straight Long Nose Plier	13.46 in	2.75 in	0.87 lb
PSX201C	037103241801	Carded	Bent Long Nose Plier	13.27 in	2.50 in	0.89 lb

2 Pc. Pivot Pro Compound Action Plier Set



- Unique pivot action design requires 40% less force to cut
- Unlike standard pliers that pivot on the center-bolt only, additional leverage can be applied. This action creates more leverage and force to the cutting edge
- Forged steel body for strength and durability
- Induction hardened cutting edge for long life
- Dual material grips for added comfort and durability
- Machined, cross-check jaw pattern for gripping

Cat. No.	UPC No.	Packaging	Product Weight
CCASET2	037103274519	Carded	1.72 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
CCA5428	8" Pivot Pro Diagonal Cutting Compound Action Plier	1	CCA6548	8" Pivot Pro Long Nose Compound Action Plier	1

Pivot Pro Lineman's Compound Action Plier



- Unique pivot action design requires 40% less force to cut
- Unlike standard pliers that pivot on the center-bolt only, additional leverage can be applied. This action creates more leverage and force to the cutting edge
- Forged steel body for strength and durability
- Induction hardened cutting edge for long life
- Dual material grips for added comfort and durability
- Machined, cross-check jaw pattern for gripping

Cat. No.	UPC No.	Packaging	Overall Length	Product Weight
CCA20509	037103274489	Carded	9 in	1.02 lb

Pivot Pro Diagonal Cutting Compound Action Plier



- Unique pivot action design requires 40% less force to cut
- Unlike standard pliers that pivot on the center-bolt only, additional leverage can be applied. This action creates more leverage and force to the cutting edge
- Forged steel body for strength and durability
- Induction hardened cutting edge for long life
- Dual material grips for added comfort and durability

Cat. No.	UPC No.	Packaging	Overall Length	Product Weight
CCA5428	037103274496	Carded	8 in	0.80 lb

Pivot Pro Long Nose Compound Action Plier



- Unique pivot action design requires 40% less force to cut
- Unlike standard pliers that pivot on the center-bolt only, additional leverage can be applied. This action creates more leverage and force to the cutting edge
- Forged steel body for strength and durability
- Induction hardened cutting edge for long life
- Dual material grips for added comfort and durability
- Machined, cross-check jaw pattern for gripping

Cat. No.	UPC No.	Packaging	Overall Length	Product Weight
CCA6548	037103274502	Carded	8 in	0.84 lb

Straight Jaw Locking Pliers



- World Famous Crescent® Brand
- Maximum Jaw Opening Per ASME Specs
- Angled Tooth Pattern for Better Grip
- Nickel-Plated Finish Resists Rust and Corrosion
- Compound Action for Powerful Non-Slip Locking Grip
- Versatile Curved Jaw Also Features Integral Wire Cutter

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Capacity	Jaw Type	Wire Cutter	Product Weight
C7SV	037103206664	Carded	7 in	1-5/16 in, 34 mm	Curved	No	0.90 lb
C10SV	037103206800	Carded	10 in	1-3/4 in, 45 mm	Straight	No	1.30 lb

Curved Jaw Locking Pliers with Wire Cutter



- World Famous Crescent® Brand
- Maximum Jaw Opening Per ASME Specs
- Angled Tooth Pattern for Better Grip
- Nickel-Plated Finish Resists Rust and Corrosion
- Compound Action for Powerful Non-Slip Locking Grip
- Versatile Curved Jaw Also Features Integral Wire Cutter

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Capacity	Jaw Type	Wire Cutter	Product Weight
C7CV	037103206695	Carded	7 in	1-5/8 in, 42 mm	Curved	Yes	0.85 lb
C5CV	037103206817	Carded	5 in	1-1/4 in, 32 mm	Curved	Yes	0.42 lb
C10CV	037103206701	Carded	10 in	1-7/8 in, 48 mm	Curved	Yes	1.19 lb

Long Nose Locking Pliers with Wire Cutter



- World Famous Crescent® Brand
- Maximum Jaw Opening Per ASME Specs
- Angled Tooth Pattern for Better Grip
- Nickel-Plated Finish Resists Rust and Corrosion
- Compound Action for Powerful Non-Slip Locking Grip
- Long Nose with Wire Cutter Gets to Hard-To-Reach Spots
- Versatile Curved Jaw Also Features Integral Wire Cutter

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Capacity	Jaw Type	Wire Cutter	Product Weight
C6NV	037103206718	Carded	6 in	2-1/4 in, 58 mm	Long Nose	Yes	0.45 lb
C9NV	037103206725	Carded	8-3/4 in	2-7/8 in, 73 mm	Long Nose	Yes	0.92 lb

5 Pc. Locking Pliers Set, Curved Jaw and Long Nose



- World Famous Crescent® Brand
- Maximum Jaw Opening Per ASME Specs
- Angled Tooth Pattern for Better Grip
- Nickel-Plated Finish Resists Rust and Corrosion
- Compound Action for Powerful Non-Slip Locking Grip
- Long Nose with Wire Cutter Gets to Hard-To-Reach Spots
- Versatile Curved Jaw Also Features Integral Wire Cutter

Cat. No.	UPC No.	Packaging	Product Weight
CLP5SET	037103202895	Carded	4.06 lb

Cat. No.	Description	Cat. No.	Description
C6NV	6" Long Nose Locking Plier With Wire Cutter	C5CV	5" Curved Jaw Locking Plier With Wire Cutter
C9NV	9" Long Nose Locking Plier With Wire Cutter	C10CV	10" Curved Jaw Locking Plier With Wire Cutter
C7CV	7" Curved Jaw Locking Plier With Wire Cutter		

3 Pc. Cushion Grip Curved Jaw Locking Pliers Set



- World Famous Crescent® Brand
- Maximum Jaw Opening Per ASME Specs
- Angled Tooth Pattern for Better Grip
- Nickel-Plated Finish Resists Rust and Corrosion
- Compound Action for Powerful Non-Slip Locking Grip
- Versatile Curved Jaw Also Features Integral Wire Cutter

Cat. No.	UPC No.	Packaging	Jaw Type	Product Weight
CLP3SETC	037103202888	Carded	Curved	2.65 lb

3 Pc. Curved Jaw Locking Pliers Set



- World Famous Crescent® Brand
- Maximum Jaw Opening Per ASME Specs
- Angled Tooth Pattern for Better Grip
- Nickel-Plated Finish Resists Rust and Corrosion
- Compound Action for Powerful Non-Slip Locking Grip
- Versatile Curved Jaw Also Features Integral Wire Cutter

Cat. No.	UPC No.	Packaging	Jaw Type	Product Weight
CLP3SET	037103202871	Carded	Curved	2.54 lb

2 Pc. Curved Jaw Locking Pliers Set



- World Famous Crescent® Brand
- Maximum Jaw Opening Per ASME Specs
- Angled Tooth Pattern for Better Grip
- Nickel-Plated Finish Resists Rust and Corrosion
- Compound Action for Powerful Non-Slip Locking Grip
- Versatile Curved Jaw Also Features Integral Wire Cutter

Cat. No.	UPC No.	Packaging	Jaw Type	Product Weight
CLP2SET	037103202864	Carded	Curved	2.07 lb

Locking C-Clamps, Regular Tips



- World Famous Crescent® Brand
- Maximum Jaw Opening Per ASME Specs
- Nickel-Plated Finish Resists Rust and Corrosion
- Compound Action for Powerful Non-Slip Locking Grip
- Locking "C" Clamps Are Faster and Easier to Use Than Standard Clamps

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Capacity	Jaw Type	Wire Cutter	Product Weight
C6CCV	037103206732	Carded	6 in	2 in, 51 mm	C-Clamp/Regular Tips	No	0.55 lb
C11CCV	037103206756	Carded	11 in	4 in, 102 mm	C-Clamp/Regular Tips	No	1.95 lb
C18CCR	037103217301	Carded	18 in	8 in, 203 mm	C-Clamp/Regular Tips	No	2.59 lb

Locking C-Clamps, Swivel Pad Tips



- World Famous Crescent® Brand
- Maximum Jaw Opening Per ASME Specs
- Nickel-Plated Finish Resists Rust and Corrosion
- Compound Action for Powerful Non-Slip Locking Grip
- Locking "C" Clamps Are Faster and Easier to Use Than Standard Clamps

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Capacity	Jaw Type	Wire Cutter	Product Weight
C6CCSV	037103206749	Carded	6 in	2-1/8 in, 73 mm	C-Clamp/Swivel Pads	No	0.62 lb
C11CCSV	037103206763	Carded	11 in	4 in, 102 mm	C-Clamp/Swivel Pads	No	1.86 lb
C18CCS	037103217271	Carded	18 in	8 in, 203 mm	C-Clamp/Swivel Pads	No	2.71 lb

Locking Sheet Metal Clamp and Welder's Clamp



- World Famous Crescent® Brand
- Maximum Jaw Opening Per ASME Specs
- Angled Tooth Pattern for Better Grip
- Nickel-Plated Finish Resists Rust and Corrosion
- Compound Action for Powerful Non-Slip Locking Grip
- Long Nose with Wire Cutter Gets to Hard-To-Reach Spots
- Versatile Curved Jaw Also Features Integral Wire Cutter
- Locking "C" Clamps Are Faster and Easier to Use Than Standard Clamps

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Capacity	Jaw Type	Wire Cutter	Product Weight
C8SMV	037103206770	Carded	8 in	3/4 in, 19 mm	Sheet Metal Clamp	No	1.11 lb
C9W	037103206787	Boxed	9 in	1-1/2 in, 38 mm	U Shaped Welding	No	1.45 lb

Quick Release Locking Chain Clamp



- World Famous Crescent® Brand
- Nickel-Plated Finish Resists Rust and Corrosion
- Compound Action for Powerful Non-Slip Locking Grip
- 18" Long Chain

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Capacity	Jaw Type	Wire Cutter	Product Weight
C20CH	037103206794	Boxed	9 in	5-11/16 in	Chain Clamp	No	1.62 lb

Tongue and Groove Pliers, Straight Jaw



- Made From Finest Quality Alloy Tool Steel
- Designed to Grip All Shapes Like Rods, Pipes and Cable Connections
- Precision-Milled Ribs for Smooth, Positive Interlock Between Two Halves
- Riveted Joint Will Not Separate or Jump Out of Grooves
- Straight Jaws and Self-Locking Jaw Adjustment
- Forged, Hardened and Tempered
- Red Non-Slip Cushion Handle Grips
- Induction Hardened Angled Gripping Teeth
- Meets or Exceeds ASME B107.23M-2004

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Capacity	Jaw Type	Wire Cutter	Product Weight
R27CV	037103462602	Carded	7 in	1-5/16 in	Straight	No	0.45 lb
R210CV	037103463685	Carded	10 in	1-13/16 in	Straight	No	0.98 lb
R212CV	037103463739	Carded	12 in	2-1/4 in	Straight	No	1.50 lb
R216CV	037103469687	Carded	16 in	4 1/2	Straight	No	2.85 lb
HL120P	043127121043	Carded	20 in	6 in	Straight	No	4.25 lb

Tongue and Groove Pliers, V-Jaw



- Made From Finest Quality Alloy Tool Steel
- Designed to Grip All Shapes Like Rods, Pipes and Cable Connections
- Precision-Milled Ribs for Smooth, Positive Interlock Between Two Halves
- Riveted Joint Will Not Separate or Jump Out of Grooves
- Forged, Hardened and Tempered
- Red Non-Slip Cushion Handle Grips
- Induction Hardened Angled Gripping Teeth
- Meets or Exceeds ASME B107.23M-2004

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Capacity	Jaw Type	Wire Cutter	Product Weight
R410CV	037103464705	Carded	10 in	1-13/16 in	V-Jaw	No	0.75 lb

3 Pc. Tongue and Groove Pliers Set



- World Famous Crescent® Brand
- More Positions for More Flexibility and More Grip Comfort
- Angled Tooth Pattern for Better Grip
- Extra Wide, Straight, Jaw Openings
- Unique Alloy Steel and Induction Hardening, Maximizes Durability
- Precision Machining and Riveted Joint Provides Smooth, Positive Joint Action with No Slip
- Self-Locking Adjustment
- Meets or Exceeds ASME B107.23M-2004

Cat. No.	UPC No.	Packaging	Jaw Type	Wire Cutter	Product Weight
R200SET3	037103205742	Carded	Straight	No	3.22 lb

Cat. No.	Description	Cat. No.	Description
R27CV	7" Tongue and Groove Pliers, Straight Jaws, Cushion Grip	R212CV	12" Tongue and Groove Pliers, Straight Jaws, Cushion Grip
R210CV	10" Tongue and Groove Pliers, Straight Jaws, Cushion Grip		

2 Pc. Tongue and Groove Pliers Set



- World Famous Crescent® Brand
- More Positions for More Flexibility and More Grip Comfort
- Angled Tooth Pattern for Better Grip
- Extra Wide, Straight Jaw Openings
- Unique Alloy Steel and Induction Hardening, Maximizes Durability
- Precision Machining and Riveted Joint Provides Smooth, Positive Joint Action with No Slip
- Self-Locking Adjustment
- Meets or Exceeds ASME B107.23M-2004

Cat. No.	UPC No.	Packaging	Jaw Type	Wire Cutter	Product Weight
R200SET2	037103205759	Carded	Straight	No	1.50 lb

Cat. No.	Description	Cat. No.	Description
R27CV	7" Tongue and Groove Pliers, Straight Jaws, Cushion Grip	R210CV	10" Tongue and Groove Pliers, Straight Jaws, Cushion Grip

Slip Joint Pliers, Cee Tee Co.®



- Designed for Gripping and Turning Round Objects Such As Pipes, Rods and Pins
- Curved Jaws Combination with Machined Gripping Teeth and Wire Cutter
- Forged From Alloy Steel and Accurately Machined, Hardened and Tempered
- Nickel Chrome Plated Finish
- Red Non-Slip Cushion Handle Grip or Knurled Handles

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Capacity	Jaw Type	Wire Cutter	Product Weight
H26N	037103227959	Boxed	6.5 in	1 in	Curved	Yes	0.45 lb
H26VN	037103227966	Carded	6.5 in	1 in	Curved	Yes	0.50 lb
H28N	037103227980	Boxed	8 in	1 in	Curved	Yes	0.60 lb
H28VN	037103227997	Carded	8 in	1 in	Curved	Yes	0.65 lb

Electrical Connector Pliers



- Fits A-N Electrical Connectors
- Three Adjustment Positions
- Replacement Insert Kit Available: Consists of 2 Pins, 2 Pads

Cat. No.	UPC No.	Packaging	Description	Length	Product Weight	Shelf Pack Qty.
52910N	037103213716	Carded	10" A-N Connector Slip Joint Pliers	10 in	0.70 lb	6
52910KITN	037103213723	Carded	Replacement Parts Kit for 52910	-	0.02 lb	-

Diagonal Cutting Pliers, General Purpose



- Designed for General Wire Cutting in Confined Spaces
- Standard Jaw
- Electronically Induction Hardened and Hand-Honed
- Long Cutting Edges for Harder Wires
- Round Joint Design
- Made of Drop-Forged Alloy Steel
- Individually Tested for Strength and Cutting Ability
- Polished Head
- Red Non-Slip Cushion Handle Grips
- Spring Keeps Jaws Open - Where Applicable

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/Cut Capacity	Product Weight
9336CVN	037103213198	Carded	6 in	13/16 in	3/4 in	7/16 in	Std./12 AWG	0.41 lb
9336N	037103213174	Bagged	6 in	13/16 in	3/4 in	7/16 in	Std./12 AWG	0.40 lb
9337CVN	037103213501	Carded	7 in	1 in	29/32 in	15/32 in	Std./12 AWG	0.60 lb

Diagonal Cutting Pliers, Heavy-Duty



- Designed for Heavy-Duty Wire Cutting
- Electronically Induction Hardened Hand-Honed, Long Lasting Cutting Edges
- Made of Forged Alloy Tool Steel
- Individually Tested for Strength and Cutting Ability
- Polished Head
- Red Non-Slip Cushion Handle Grips
- Angled Head for Offset Cutting
- Standard or Flush Cutting Edges

Cat. No.	UPC No.	Packaging	Application	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/Cut Capacity	Product Weight
5427CVN	037103212801	Carded	Heavy Duty	7 in	25/32 in	1-7/32 in	15/32 in	Std./12 AWG	0.65 lb
5427N	037103212702	Bagged	Heavy Duty	7 in	25/32 in	1-7/32 in	15/32 in	Std./12 AWG	0.63 lb
5428CN	037103212764	Bagged	Heavy Duty	8 in	25/32 in	1-7/32 in	15/32 in	Std./12 AWG	0.60 lb
5428CVN	037103212771	Carded	Heavy Duty	8 in	25/32 in	1-7/32 in	15/32 in	Std./22 AWG	0.74 lb
5437CEN	037103212733	Bagged	Heavy Duty	7 in	25/32 in	1-7/32 in	15/32 in	Flush/22 AWG	0.55 lb
5438CEN	037103212788	Bagged	Heavy Duty	8 in	25/32 in	1-7/32 in	15/32 in	Flush/12 AWG	0.70 lb

Chain Nose Pliers, Long



- Designed for Reaching Confined Areas
- Long Chain Nose with Fine Serrated Jaws to Make Wire Loops and Bends
- Electronically Induction Hardened Hand-Honed, Keen Side Cutting Edges
- Made of Forged Alloy Tool Steel
- Individually Tested for Strength and Cutting Ability
- Polished Head

Cat. No.	UPC No.	Packaging	Application	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/Cut Capacity	Product Weight
10336CVN	037103212900	Carded	Electronic Repair	6.625 in	1-7/8 in	11/16 in	3/8 in	None	0.38 lb
10337CVN	037103213013	Carded	Electronic Repair	7.5 in	2-21/32 in	3/4 in	3/8 in	None	0.46 lb

Chain Nose Pliers, Long with Side Cutting



- Designed for Reaching Confined Areas
- Long Chain Nose with Fine Serrated Jaws to Make Wire Loops and Bends
- Electronically Induction Hardened Hand-Honed, Keen Side Cutting Edges
- Made of Forged Alloy Tool Steel
- Individually Tested for Strength and Cutting Ability
- Polished Head
- Red Non-Slip Cushion Handle Grips
- Spring Keeps Jaws Open - Where Applicable

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/Cut Capacity	Product Weight
6546CVSMLN	037103212832	Carded	6.625 in	1-7/8 in	11/16 in	3/8 in	Std./14 AWG	0.37 lb
6546N	037103212795	Boxed	6.625 in	1-7/8 in	11/16 in	3/8 in	Std./14 AWG	0.34 lb
6547CVN	037103212993	Carded	7.500 in	2-21/32 in	3/4 in	3/8 in	Std./14 AWG	0.45 lb
6547N	037103212962	Boxed	7.500 in	2-21/32 in	3/4 in	3/8 in	Std./14 AWG	0.38 lb

Needle Nose Pliers, Long



- Designed for Work in Tight, Narrow Areas
- Long Needle Nose with Excellent Gripping Ability
- Made of Forged Alloy Tool Steel and Individually Tested for Strength
- Polished Head
- Red Non-Slip Cushion Handle Grips

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Product Weight
7776CVN	037103213372	Carded	6.5 in	2-1/16 in	11/16 in	11/32 in	0.31 lb
7777CVN	037103213396	Carded	7.46875 in	2-11/16 in	11/16 in	21/64 in	0.30 lb

Needle Nose Pliers, Bent



- Designed for Working in Out-of-the-Way Confined Corners
- Thin Bent Nose, Tempered Jaws Return to Normal When Pressure is Released
- Electronically Induction Hardened
- Made of Forged Alloy Tool Steel and Individually Tested for Strength
- Polished Head
- Red Non-Slip Cushion Handle Grips

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Product Weight
8886CVN	037103213020	Carded	6 in	1 in	11/16 in	3/8 in	0.46 lb

Lineman's Pliers, High Leverage



- Streamlined Head Design Allows Easy Sliding in and Out of Belt Loops
- Cutting Edges Cut Clean and Remain Sharp
- Electronically Induction Hardened, Durable and Hand Honed
- Made of Forged Alloy Steel

Cat. No.	UPC No.	Packaging	Application	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/Cut Capacity	Cutting Edge Length	Product Weight
20509CVSMLN	037103213815	Carded	High Leverage Side Cut	9.25 in	1-9/16 in	1-9/32 in	5/8 in	Std./11 AWG	13/16 in	1.10 lb
20509N	037103213792	Boxed	High Leverage Side Cut	9.25 in	1-9/16 in	1-9/32 in	5/8 in	Std./11 AWG	13/16 in	1.10 lb

Lineman's Pliers, High Leverage Round Nose



- Streamlined Head Design Allows Easy Sliding in and Out of Belt Loops
- Cutting Edges Cut Clean and Remain Sharp
- Electronically Induction Hardened, Durable and Hand Honed
- Made of Forged Alloy Steel

Cat. No.	UPC No.	Packaging	Application	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/Cut Capacity	Cutting Edge Length	Product Weight
21508CVN	037103213426	Carded	High Leverage Side Cut	8.5 in	1-7/16 in	1-3/16 in	5/8 in	Std./11 AWG	3/4 in	1.00 lb

Lineman's Pliers, Side Cutting



- Designed for Electrical Work
- Electronically Induction Hardened, Durable and Keen Side Cutting Edges
- Made of Forged Alloy Tool Steel
- Polished Head
- Spring Tempered Handles with Non-Slip Cushion Handle Grips

Cat. No.	UPC No.	Packaging	Application	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/Cut Capacity	Cutting Edge Length	Product Weight
507CVN	037103213440	Carded	Electrical	7.25 in	1-9/32 in	1 in	1/2 in	Std./12 AWG	5/8 in	0.70 lb
508CVN	037103213365	Carded	Electrical	8.3125 in	1-15/32 in	1-1/8 in	9/16 in	Std./11 AWG	3/4 in	0.94 lb

Ironworker's Plier



- Designed for Ironworkers to Tie Concrete Reinforcing Bars
- Jaws Remain Open with Coil Spring Yet Close with Normal Grip

Cat. No.	UPC No.	Packaging	Application	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/Cut Capacity	Cutting Edge Length	Product Weight
20509WSCVSM LN	037103213839	Carded	High Leverage Side Cut	9.25 in	1-9/16 in	1-9/32 in	5/8 in	Std./11 AWG	13/16 in	0.70 lb

Button Pliers Fence Tool



- Button Pliers
- Designed for Construction and Maintenance of Wire Fencing
- Flat Nose with 3 Wire Cutters, Pipe Grips, Teeth in Extreme Tip of Nose
- Electronically Hardened Durable Edges
- Made of Forged Alloy Tool Steel
- Polished Head
- Knurled Handles

Cat. No.	UPC No.	Packaging	Length	Edge Type/Cut Capacity	Jaw Type	Product Weight
10008VN	037103213068	Carded	8 in	Std./12 AWG	Button	0.80 lb
100010VN	037103213051	Carded	10-1/4 in	Std./11 AWG	Button	1.25 lb

Heavy-Duty Fence Tool Pliers



- 2 Staple Grips in Nose
- Corrugated Hammer Head, Heavy Prong, Easily Reach, Pull Rusty Staples
- Starting & Pulling Joint on One Jaw with Corrugated Hammer on the Other
- Hardened, Pointed Head Pulls Staples and Lift Lugs
- Special Opening in Head Allows Both Wire and Staple to Be Gripped
- 2 Electronically Induction Hardened Durable Wire Cutters
- Made of Forged Alloy Tool Steel
- Polished Head
- Gun Metal, Knurled Grip Handles
- Should Not be Used to Hammer Hardened Materials

Cat. No.	UPC No.	Packaging	Length	Edge Type/Cut Capacity	Jaw Type	Product Weight
193610CVSMN	037103212948	Carded	10-7/16 in	Std./11 AWG	Dual Head	1.86 lb
193610VN	037103212955	Carded	10.4375 in	Std./11 AWG	Dual Head	1.72 lb

Fence Pliers and Staple Puller



- Should Not Be Used to Hammer Hardened Materials
- Only Tool Needed for Work on Metal or Wood Posts
- Starting & Pulling Joint on One Jaw with Corrugated Hammer on the Other
- Stretches Wire Tight Before Fastening
- Wire Cutter on Each Side Cuts Double Strand Barbed Wire
- Dual Head Design-Corrugated Head Drives Staples
- Hardened, Pointed Head Pulls Staples and Lift Lugs
- Heavy-Duty Lock-Joint Construction Increases Tool Life
- Gun Metal, Knurled Grip Handles
- Should Not be Used to Hammer Hardened Materials

Cat. No.	UPC No.	Packaging	Length	Edge Type/Cut Capacity	Jaw Type	Product Weight
193410CVN	037103213075	Carded	10.3125 in	Std./11 AWG	Dual Head	1.49 lb

Diagonal Cutting Pliers, Heavy-Duty, Plastic Handle



- Ergonomic Heavy-Duty Diagonal Cutter
- Flush Ground Back for Close Cutting
- Adjustable Stops Prolong Cutting Edge Life
- Handle Coil Springs Reduce User Fatigue

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/Cut Capacity	Jaw Type	Product Weight
M56RPN	037103213532	Boxed	6 in	27/32 in	23/32 in	13/32 in	Flush	Heavy Duty Diagonal	0.40 lb
M57RPN	037103213556	Boxed	7 in	1-3/32 in	29/32 in	31/64 in	Flush	Heavy Duty Diagonal	0.55 lb

Diagonal Cutting Pliers, Heavy-Duty, Plastic Ergonomic Handle



- Ergonomic Heavy-Duty Cutter
- Ergonomically Designed Handles Increase Productivity
- Reduces User Fatigue and Allowing Easier Gripping and Control
- Adjustable Stops Prolong Cutting Edge Life
- Handle Coil Springs Reduce User Fatigue

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/ Cut Capacity	Jaw Type	Product Weight
M57ERN	037103213549	Boxed	7 in	1-1/16 in	59/64 in	1/2 in	Flush	Heavy Duty Diagonal	0.60 lb

Diagonal Cutting Pliers, Flush Ground, Plastic Handle



- For Close Trimming of Gates and Sprue on Injection Molded Plastic Parts
- Flush Ground, Oval Shaped Jaws, Fine Point Permits Use in Confined Areas
- Polished Head
- Handle Coil Springs Reduce User Fatigue
- Blue Vinyl Cushion Grips

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/ Cut Capacity	Jaw Type	Product Weight
TP55N	037103213358	Boxed	5 in	49/64 in	5/8 in	11/32 in	Flush	Diagonal	0.30 lb
TP56N	037103213587	Boxed	6 in	53/64 in	23/32 in	13/32 in	Flush	Diagonal	0.35 lb
TP57N	037103213594	Boxed	7 in	1-1/16 in	55/64 in	15/32 in	Flush	Diagonal	0.55 lb

Diagonal Cutting Pliers, Thin, Plastic Handle



- Extra Slim Design
- Ground Flat on Back Side
- Handle Coil Springs Reduce User Fatigue
- Blue Vinyl Cushion Grips
- Flush Ground Edges
- Oval Shape Jaws with Fine Point Are Throat Relief Ground for Clearance

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/ Cut Capacity	Jaw Type	Product Weight
P43N	037103213563	Boxed	4 in	41/64 in	37/64 in	11/32 in	Flush	Diagonal Relieved	0.20 lb
TP53N	037103213570	Boxed	5 in	25/32 in	5/8 in	23/64 in	Flush	Diagonal Relieved	0.20 lb
TP63N	037103213600	Boxed	6 in	27/32 in	47/64 in	13/32 in	Flush	Diagonal Relieved	0.40 lb

End Cutting Nipper Pliers



- Top Quality End Cutting Tool
- Precision Manufactured From Forged Alloy Tool Steel
- Handles with Carefully Designed Leverage Ratio to Blades, Easier Cutting
- Carefully Designed Throat Clearance and Rivet Size
- Electronically Induction Hardened, Angled Cutting Edges and Blade Sizes

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/ Cut Capacity	Cutting Edge Length	Product Weight
727CVN	037103213150	Carded	7-1/4 in	3/8 in	1-3/4 in	17/32 in	Std./12 AWG	13/16 in	0.65 lb
728CVN	037103213112	Carded	8-1/4 in	3/8 in	1-3/4 in	17/32 in	Std./12 AWG	13/16 in	0.85 lb
729CVN	037103213143	Carded	9-1/4 in	13/32 in	1-3/4 in	19/32 in	Std./12 AWG	1-1/4 in	0.98 lb

Carbide Cutters



- Professional Nippers
- Long Lasting Carbide Cutting Edges
- Handle Spring to Reduce Fatigue and Permit Fast, Repetitive Cutting
- Dark Red Plastic Handle Grips

Cat. No.	UPC No.	Packaging	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/ Cut Capacity	Cutting Edge Length	Product Weight
GT28CN	037103213785	Bagged	8 in	41/64 in	1-15/16 in	29/64 in	Tile Cutting	13/16 in	0.80 lb

Heavy-Duty End Cutting Nipper Pliers



- Strong, Lightweight Design for Demanding Construction Use
- Hardened and Honed Cutting Edges
- Drop-Forged High Quality Tool Steel, Heat-Treated, Tempered Handles/Jaws
- Polished Head
- Develops High Leverage to Cut Large Diameter Nails and Wire
- Black Finish

Cat. No.	UPC No.	Packaging	Application	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/ Cut Capacity	Cutting Edge Length	Product Weight
GG010HN	037103213754	Carded	Heavy Duty	10 in	41/64 in	2-5/32 in	37/64 in	Std./12 AWG	25/32 in	1.04 lb
GG014HN	037103213761	Carded	Heavy Duty	14 in	23/32 in	2-21/32 in	41/64 in	Std./12 AWG	7/8 in	2.15 lb

Pro Series Diagonal Compound Action Cutting Pliers



- Co-Molded Grips for Added Comfort
- Increase Cutting Pressure by 50%
- Chrome Vanadium Steel for Increased Durability
- Heat Treated Joint Rivet for Smooth and Consistent Operation
- Induction Hardened Edges for Long Cutting Life
- 1/3 Lighter Than Standard Pliers, Reduces Fatigue

Cat. No.	UPC No.	Packaging	Application	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/ Cut Capacity	Product Weight
PS5429C	037103216847	Carded	Heavy Duty	8 in	1-9/16 in	1-9/32 in	5/8 in	Std./11 AWG	0.50 lb

Pro Series Long Nose Compound Action Cutting Pliers



- Co-Molded Grips for Added Comfort
- Increase Cutting Pressure by 50%
- Chrome Vanadium Steel for Increased Durability
- Heat Treated Joint Rivet for Smooth and Consistent Operation
- Induction Hardened Edges for Long Cutting Life
- 1/3 Lighter Than Standard Pliers, Reduces Fatigue

Cat. No.	UPC No.	Packaging	Application	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/ Cut Capacity	Product Weight
PS6549C	037103216823	Carded	Heavy Duty	9 in	1-9/16 in	1-9/32 in	5/8 in	Std./11 AWG	0.60 lb

Pro Series Lineman's Compound Action Cutting Pliers



- Co-Molded Grips for Added Comfort
- Increase Cutting Pressure by 50%
- Chrome Vanadium Steel for Increased Durability
- Heat Treated Joint Rivet for Smooth and Consistent Operation
- Induction Hardened Edges for Long Cutting Life
- 1/3 Lighter Than Standard Pliers, Reduces Fatigue

Cat. No.	UPC No.	Packaging	Application	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Edge Type/ Cut Capacity	Cutting Edge Length	Product Weight
PS20509C	037103216861	Carded	Heavy Duty	8 in	1-9/16 in	1-9/32 in	5/8 in	Std./11 AWG	13/16 in	0.60 lb

Wire Stripper/Cutter, with Lock and Spring Return



- Ideal for General Purpose Wire Stripping and Cutting
- Plier Style Nose Permits Pulling and Looping of Wire
- Strips and Cuts 20 - 10 AWG and .5mm - 5.3mm Wire Sizes
- Full Half Inch Scissor Cutting Edge Cuts and Strips Clean Down to Conductor
- Handle Lock Protects Blades When Not in Use
- Lifetime Pivot Bearing and Comfortable Cushion Handle Grips
- Handle Spring Speeds Scissor Action



Cat. No.	UPC No.	Packaging	Product Weight
WS15H	043127231506	Carded	0.30 lb

Electrician's Stripper/Cutter/Crimper Pliers



- 5 in 1 Scissor Action Tool
- Wire Stripper, Wire Cutter, Bolt Cutter, Plier and Crimper
- Pliers Nose Permits Wire Pulling and Looping
- Cleanly Strips and Cuts 22-10 AWG Wire
- Cuts Bolts Through No. 10, Leaving Perfect Lead Thread
- Crimps Insulated and Non-Insulated Solderless Terminals
- Lifetime Pivot Bearing and Red Cushion Handle Grips



Cat. No.	UPC No.	Packaging	Product Weight
WS19H	043127071751	Carded	0.52 lb

10 Pc. Dual Material Combination Screwdriver Set



- Black Oxide Tips: Strong and Durable Construction with Blasted Tip to Reduce Slippage
- Chrome Plated Blades: Provides Corrosion Resistance and Easy Cleaning - Sizes Laser Etched on Blade
- Dual Material Handles: Designed for Improved Comfort and Performance
- Hang Holes: Can Be Used to Hang on a Wall or With an Additional Driver to Create a T-Handle
- Includes 2 Pocket Clip Screwdrivers

Cat. No.	UPC No.	Packaging	Product Weight
CSD10	037103256744	Carded	1.65 lb

Cat. No.	Description	Cat. No.	Description
CSDP34V	Dual Material Screwdriver, Phillips #1 X 4"	CSD33V	Dual Material Screwdriver, Slotted 3/16" X 3"
CSDP41V	Dual Material Screwdriver, Phillips #2 X 1-1/4"	CSD36V	Dual Material Screwdriver, Slotted 3/16" X 6"
CSDP44V	Dual Material Screwdriver, Phillips #2 X 4"	CSD41V	Dual Material Screwdriver, Slotted 1/4" X 1-1/4"
-	Pocket Clip Screwdriver, Phillips #0 x 2	CSD44V	Dual Material Screwdriver, Slotted 1/4" X 4"
-	Pocket Clip Screwdrive, Slotted 1/8" x 2	CSD46V	Dual Material Screwdriver, Slotted 1/4" X 6"

6 Pc. Dual Material Combination Screwdriver Set



- Black Oxide Tips: Strong and Durable Construction with Blasted Tip to Reduce Slippage
- Chrome Plated Blades: Provides Corrosion Resistance and Easy Cleaning - Sizes Laser Etched on Blade
- Dual Material Handles: Designed for Improved Comfort and Performance
- Hang Holes: Can Be Used to Hang on a Wall or With an Additional Driver to Create a T-Handle

Cat. No.	UPC No.	Packaging	Product Weight
CSD6	037103256720	Carded	1.06 lb

Cat. No.	Description	Cat. No.	Description
CSDP34V	Dual Material Screwdriver, Phillips #1 X 4"	CSD36V	Dual Material Screwdriver, Slotted 3/16" X 6"
CSDP44V	Dual Material Screwdriver, Phillips #2 X 4"	CSD44V	Dual Material Screwdriver, Slotted 1/4" X 4"
CSD33V	Dual Material Screwdriver, Slotted 3/16" X 3"	CSD46V	Dual Material Screwdriver, Slotted 1/4" X 6"

4 Pc. Dual Material Combination Screwdriver Set



- Black Oxide Tips: Strong and Durable Construction with Blasted Tip to Reduce Slippage
- Chrome Plated Blades: Provides Corrosion Resistance and Easy Cleaning - Sizes Laser Etched on Blade
- Dual Material Handles: Designed for Improved Comfort and Performance
- Hang Holes: Can Be Used to Hang on a Wall or With an Additional Driver to Create a T-Handle

Cat. No.	UPC No.	Packaging	Product Weight
CSD4PC	037103256706	Carded	0.69 lb

Cat. No.	Description	Cat. No.	Description
CSDP34V	Dual Material Screwdriver, Phillips #1 X 4"	CSD33V	Dual Material Screwdriver, Slotted 3/16" X 3"
CSDP44V	Dual Material Screwdriver, Phillips #2 X 4"	CSD44V	Dual Material Screwdriver, Slotted 1/4" X 4"

2 Pc. Dual Material Combination Screwdriver Set



- Black Oxide Tips: Strong and Durable Construction with Blasted Tip to Reduce Slippage
- Chrome Plated Blades: Provides Corrosion Resistance and Easy Cleaning - Sizes Laser Etched on Blade
- Dual Material Handles: Designed for Improved Comfort and Performance
- Hang Holes: Can Be Used to Hang on A Wall or with An Additional Driver to Create A T-Handle

Cat. No.	UPC No.	Packaging	Product Weight
CSD2	037103256690	Carded	0.52 lb

Cat. No.	Description	Cat. No.	Description
CSDP44V	Dual Material Screwdriver, Phillips #2 X 4"	CSD144	Dual Material Screwdriver, Slotted 1/4" X 4"

5 Pc. Dual Material, Hollow Shaft Nutdriver Set - SAE



- Chrome Plated Shafts: Provides Corrosion Resistance and Easy Cleaning - Sizes Laser Etched on Blade
- Dual Material Handles: Designed for Improved Comfort and Performance
- Hang Holes: Can Be Used to Hang on a Wall or With an Additional Driver to Create a T-Handle

Cat. No.	UPC No.	Packaging	Product Weight
CND5SAE	037103256713	Carded	1.74 lb

Cat. No.	Description	Cat. No.	Description
CND1V	Dual Material Hollow Shaft Nutdriver 3/16 x 3"	CND4V	Dual Material Hollow Shaft Nutdriver 3/8 x 3"
CND2V	Dual Material Hollow Shaft Nutdriver 1/4 x 3"	CND5V	Dual Material Hollow Shaft Nutdriver 7/16 x 3"
CND3V	Dual Material Hollow Shaft Nutdriver 5/16 x 3"		

Dual Material, Phillips Tip, Round Shank Screwdrivers



- Black Oxide Tips: Strong and Durable Construction with Blasted Tip to Reduce Slippage
- Chrome Plated Blades: Provides Corrosion Resistance and Easy Cleaning - Sizes Laser Etched on Blade
- Dual Material Handles: Designed for Improved Comfort and Performance
- Hang Holes: Can Be Used to Hang on a Wall or With an Additional Driver to Create a T-Handle

Cat. No.	UPC No.	Packaging	Tip Size	Blade Length	Product Weight
CSDP34	037103256980	Bulk	#1	4 in	0.11 lb
CSDP34V	037103256973	Carded	#1	4 in	0.13 lb
CSDP41V	037103256997	Carded	#2	1-1/4 in	0.11 lb
CSDP44	037103257017	Bulk	#2	4 in	0.17 lb
CSDP44V	037103257000	Carded	#2	4 in	0.21 lb
CSDP46V	037103257024	Carded	#2	6 in	0.22 lb
CSDP48V	037103257031	Carded	#2	8 in	0.24 lb
CSDP56V	037103257048	Carded	#3	6 in	0.31 lb

Dual Material, Slotted Tip, Square Shank Screwdrivers



- Black Oxide Tips: Strong and Durable Construction with Blasted Tip to Reduce Slippage
- Chrome Plated Blades: Provides Corrosion Resistance and Easy Cleaning - Sizes Laser Etched on Blade
- Dual Material Handles: Designed for Improved Comfort and Performance
- Hang Holes: Can Be Used to Hang on A Wall or with an Additional Driver to Create A T-Handle

Cat. No.	UPC No.	Packaging	Tip Size	Blade Length	Product Weight
CSDS44	037103256942	Bulk	1/4 in	4 in	0.19 lb
CSDS44V	037103256935	Carded	1/4 in	4 in	0.21 lb
CSDS56	037103256966	Bulk	5/16 in	6 in	0.27 lb
CSDS56V	037103256959	Carded	5/16 in	6 in	0.29 lb

Dual Material, Slotted Tip, Round Shank Screwdrivers



- Black Oxide Tips: Strong and Durable Construction with Blasted Tip to Reduce Slippage
- Chrome Plated Blades: Provides Corrosion Resistance and Easy Cleaning - Sizes Laser Etched on Blade
- Dual Material Handles: Designed for Improved Comfort and Performance
- Hang Holes: Can Be Used to Hang on a Wall or With an Additional Driver to Create a T-Handle

Cat. No.	UPC No.	Packaging	Tip Size	Blade Length	Product Weight
CSD33V	037103256829	Carded	3/16 in	3 in	0.15 lb
CSD36V	037103256836	Carded	3/16 in	6 in	0.14 lb
CSD36	037103256843	Bulk	3/16 in	6 in	0.12 lb
CSD30V	037103256850	Carded	3/16 in	10 in	0.17 lb
CSD41V	037103256867	Carded	1/4 in	1-1/4 in	0.11 lb
CSD44V	037103256874	Carded	1/4 in	4 in	0.21 lb
CSD144	037103256881	Bulk	1/4 in	4 in	0.17 lb
CSD46V	037103256898	Carded	1/4 in	6 in	0.22 lb
CSD56V	037103256904	Carded	5/16 in	6 in	0.31 lb
CSD56	037103256911	Bulk	5/16 in	6 in	0.32 lb
CSD58V	037103256928	Carded	3/8 in	8 in	0.37 lb

Dual Material, Torx Tip, Round Shank Screwdrivers



- Black Oxide Tips: Strong and Durable Construction with Blasted Tip to Reduce Slippage
- Chrome Plated Blades: Provides Corrosion Resistance and Easy Cleaning - Sizes Laser Etched on Blade
- Dual Material Handles: Designed for Improved Comfort and Performance
- Hang Holes: Can Be Used to Hang on A Wall or with An Additional Driver to Create A T-Handle

Cat. No.	UPC No.	Packaging	Tip Size	Product Weight
CTD10V	037103257055	Carded	T10	0.13 lb
CTD15V	037103257062	Carded	T15	0.13 lb
CTD20V	037103257079	Carded	T20	0.13 lb
CTD25V	037103257086	Carded	T25	0.21 lb
CTD27V	037103257093	Carded	T27	0.21 lb
CTD30V	037103257109	Carded	T30	0.21 lb
CTD40V	037103257116	Carded	T40	0.27 lb

Dual Material, Hollow Shaft Nutdrivers - SAE



- Chrome Plated Shafts: Provides Corrosion Resistance and Easy Cleaning - Sizes Laser Etched on Blade
- Dual Material Handles: Designed for Improved Comfort and Performance
- Hang Holes: Can Be Used to Hang on a Wall or With an Additional Driver to Create a T-Handle

Cat. No.	UPC No.	Packaging	Fastener Size	Shaft Length	Overall Length	Product Weight
CND1V	037103256768	Carded	3/16 in	3 in	9.45 in	0.21 lb
CND2V	037103256775	Carded	1/4 in	3 in	9.45 in	0.22 lb
CND3V	037103256782	Carded	5/16 in	3 in	9.45 in	0.23 lb
CND4V	037103256799	Carded	3/8 in	3 in	9.45 in	0.26 lb
CND5V	037103256805	Carded	7/16 in	3 in	9.45 in	0.30 lb
CND6V	037103256812	Carded	1/2 in	3 in	9.45 in	0.32 lb

7-in-1 Dual Material Interchangeable Bit Screwdriver



- Dual Material Handle: Designed for Improved Comfort and Performance
- Hang Holes: Can Be Used to Hang on a Wall or With an Additional Driver to Create a T-Handle

Cat. No.	UPC No.	Packaging	Product Weight
CMBD7P	037103256737	Merchandise	0.41 lb

Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
-	1/4" Nutdriver Bit	-	#1 Phillips Bit	-	9/32" Slotted Bit
-	5/16" Nutdriver Bit	-	#2 Phillips Bit		
-	7/16" Nutdriver Bit	-	3/16" Slotted Bit		

6-in-1 Interchangeable Bit Screwdriver



- Chrome/Nickel Plated for Longer Life
- Industrial Tool Steel Bits, Heat Treated, Tempered, Stress Relieved

Cat. No.	UPC No.	Packaging	Product Weight
CMB6V	037103150936	Boxed	0.36 lb

Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
-	1/4" Nutdriver Bit	-	#1 Phillips Bit	-	3/16" Slotted Bit
-	5/16" Nutdriver Bit	-	#2 Phillips Bit	-	9/32" Slotted Bit

4-in-1 Interchangeable Bit Screwdriver



- Chrome/Nickel Plated for Longer Life
- Industrial Tool Steel Bits, Heat Treated, Tempered, Stress Relieved

Cat. No.	UPC No.	Packaging	Product Weight
CMB4V	037103150929	Boxed	0.31 lb

Cat. No.	Description	Cat. No.	Description
-	#1 Phillips Bit	-	3/16" Slotted Bit
-	#2 Phillips Bit	-	9/32" Slotted Bit

10 Pc. Series 2000 Cushion Grip Screwdriver Set



- Crescent® Series 2000 Screwdriver Set
- Set Contains 10 Popular-Sized Screwdrivers
- Available in Convenient Reusable Plastic Pouch



Cat. No.	UPC No.	Packaging	Product Weight
2010	037103028426	Pouch	3.20 lb

Cat. No.	Description	Cat. No.	Description
25013	Cushion Grip Phillips® Series 2000 Screwdriver #1 x 3"	21434	Cushion Grip Slotted Series 2000 Screwdriver 1/4 x 4"
25024	Cushion Grip Phillips® Series 2000 Screwdriver #2 x 4"	22434	Cushion Grip Slotted Series 2000 Screwdriver 3/16 x 4"
2522	Cushion Grip Phillips® Series 2000 Screwdriver #2 x 1.25"	21436	Cushion Grip Slotted Series 2000 Screwdriver 5/16 x 6"
24016	Cushion Grip Slotted Series 2000 Screwdriver 5/16 x 6"	22436	Cushion Grip Slotted Series 2000 Screwdriver 3/16 x 6"
23434	Cushion Grip Slotted Series 2000 Screwdriver 1/4 x 4"	21438	Cushion Grip Slotted Series 2000 Screwdriver 3/8 x 8"

8 Pc. Series 2000 Cushion Grip Screwdriver Set



- Crescent® Series 2000 Screwdriver Set
- Set Contains 8 Popular-Sized Screwdrivers
- Available in Convenient Reusable Plastic Pouches



Cat. No.	UPC No.	Packaging	Product Weight
2008MR	037103104649	Pouch	3.00 lb

Cat. No.	Description	Cat. No.	Description
25013	Cushion Grip Phillips® Series 2000 Screwdriver #1 x 3"	21433	Cushion Grip Slotted Series 2000 Screwdriver 1/4 x 3"
25024	Cushion Grip Phillips® Series 2000 Screwdriver #2 x 4"	21434	Cushion Grip Slotted Series 2000 Screwdriver 1/4 x 4"
2503	Cushion Grip Phillips® Series 2000 Screwdriver #3 x 6"	21436	Cushion Grip Slotted Series 2000 Screwdriver 5/16 x 6"
2343114	Cushion Grip Slotted Series 2000 Screwdriver 1/4 x 1.25"	21438	Cushion Grip Slotted Series 2000 Screwdriver 3/8 x 8"

6 Pc. Series 2000 Cushion Grip Screwdriver Set



- Crescent® Series 2000 Screwdriver Set
- 6 Popular-Sized Screwdrivers
- Available in Convenient Reusable Plastic Pouch



Cat. No.	UPC No.	Packaging	Product Weight
2006	037103028396	Pouch	2.05 lb

Cat. No.	Description	Cat. No.	Description
25013	Cushion Grip Phillips® Series 2000 Screwdriver #1 x 3"	21434	Cushion Grip Slotted Series 2000 Screwdriver 1/4 x 4"
25024	Cushion Grip Phillips® Series 2000 Screwdriver #2 x 4"	22434	Cushion Grip Slotted Series 2000 Screwdriver 3/16 x 4"
23434	Cushion Grip Slotted Series 2000 Screwdriver 1/4 x 4"	21436	Cushion Grip Slotted Series 2000 Screwdriver 5/16 x 6"

Series 2000 Mechanic's Cushion Grip, Slotted Tip, Round Shank Screwdrivers



- Round Shaft
- Wide Tip Easily Turns Damaged Heads

- Tapered, Torque-Enhancing Cushion Grip Handle
- Interlocks With Durable Core, Provides a More Powerful, Comfortable Grip

Cat. No.	UPC No.	Packaging	Tip Size	Blade Diameter	Blade Length	Overall Length	Product Weight
21433	037103466143	Boxed	1/4 in	1/4 in	3 in	6.75 in	0.20 lb
21434	037103466167	Boxed	1/4 in	1/4 in	4 in	8.375 in	0.25 lb
21436	037103466181	Boxed	5/16 in	5/16 in	6 in	11 in	0.35 lb
21438	037103466204	Boxed	3/8 in	3/8 in	8 in	13.5 in	0.55 lb
214310	037103466228	Boxed	3/8 in	3/8 in	10 in	15.5 in	0.64 lb

Series 2000 Mechanic's Cushion Grip, Slotted Tip, Square Shank Screwdrivers



- Square Shaft
- Wide Tip Easily Turns Damaged Heads



- Tapered, Torque-Enhancing Cushion Grip Handle
- Interlocks With Durable Core, Provides a Powerful, and Comfortable Grip

Cat. No.	UPC No.	Packaging	Tip Size	Blade Diameter	Blade Length	Overall Length	Product Weight
23434	037103466433	Boxed	1/4 in	1/4 in	4 in	8.375 in	0.25 lb
23436	037103466457	Boxed	5/16 in	5/16 in	6 in	11 in	0.40 lb
23438	037103466471	Boxed	3/8 in	3/8 in	8 in	13.5 in	0.65 lb
234312	037103466495	Boxed	3/8 in	3/8 in	12 in	17.5 in	0.80 lb

Series 2000 Electrician's Slotted Tip, Round Shank Screwdrivers



- Round Shaft
- Wide Tip Easily Turns Damaged Heads



- Tapered, Torque-Enhancing Cushion Grip Handle
- Interlocks With Durable Core, Provides a Powerful, and Comfortable Grip

Cat. No.	UPC No.	Packaging	Tip Size	Blade Diameter	Blade Length	Overall Length	Product Weight
22433	037103466297	Boxed	3/16 in	3/16 in	3 in	6.75 in	0.15 lb
22434	037103466310	Boxed	3/16 in	3/16 in	4 in	7.75 in	0.10 lb
22436	037103466334	Boxed	3/16 in	3/16 in	6 in	9.75 in	0.18 lb
22438	037103466358	Boxed	3/16 in	3/16 in	8 in	11.75 in	0.20 lb
224310	037103466372	Boxed	3/16 in	3/16 in	10 in	13.75 in	0.25 lb
21424	037103466105	Boxed	1/4 in	1/4 in	4 in	8.375 in	0.25 lb
21426	037103466129	Boxed	1/4 in	1/4 in	6 in	10.375 in	0.25 lb

Series 2000 Electrician's Slotted Tip Screwdriver



- Round, Specially Coated Shaft
- Intended to Reduce Possibility of Shorting Wires



- Tapered, Torque-Enhancing Cushion Grip Handle
- Interlocks With Durable Core, Provides a Powerful, and Comfortable Grip

Cat. No.	UPC No.	Packaging	Tip Size	Blade Diameter	Blade Length	Overall Length	Product Weight
24016	037103466808	Boxed	5/16 in	5/16 in	6 in	11 in	0.35 lb

Series 2000 Cushion Grip, Slotted Tip, Stubby Screwdriver



- Square Shaft
- Wide Tip Easily Turns Damaged Heads



- Tapered, Torque-Enhancing Cushion Grip Handle
- Interlocks With Durable Core, Provides a More Powerful, Comfortable Grip

Cat. No.	UPC No.	Packaging	Tip Size	Blade Diameter	Blade Length	Overall Length	Product Weight
2343114	037103466419	Boxed	1/4 in	1/4 in	1.25 in	3.125 in	0.10 lb

Series 2000 Cushion Grip, Phillips Screwdrivers



- Round Shaft
- Alloy Steel Incorporated Into Blade Extends Tip Life
- Tapered, Torque-Enhancing Cushion Grip Handle
- Interlocks With Durable Core, Provides a Powerful, and Comfortable Grip
- Phillips® is a Registered Trademark of the Phillips Screw Company



Cat. No.	UPC No.	Packaging	Tip Size	Blade Diameter	Blade Length	Overall Length	Product Weight
25013	037103466518	Boxed	#1	3/16 in	3 in	6.75 in	0.15 lb
25024	037103466532	Boxed	#2	1/4 in	4 in	8.375 in	0.30 lb
2522	037103466587	Boxed	#2	1/4 in	1.25 in	3.125 in	0.15 lb
2503	037103466556	Boxed	#3	5/16 in	6 in	11 in	0.35 lb
2504	037103466563	Boxed	#4	3/8 in	8 in	13.5 in	0.60 lb

Series 2000 Cushion Grip, Scratch Awl



- Round Shaft
- Tapered, Torque-Enhancing Cushion Grip Handle
- Interlocks With Durable Core, Provides a Powerful, and Comfortable Grip



Cat. No.	UPC No.	Packaging	Tip Size	Blade Diameter	Blade Length	Overall Length	Product Weight
2245	037103466396	Boxed	3/32 in	1/4 in	3.875 in	7.625 in	0.20 lb

6 Pc. Precision Screwdriver Set



- Includes Both Slotted and Phillips® Drivers
- Can Be Used for Jewelry Repair, Electronics Repair, and Detailed Work

Cat. No.	UPC No.	Packaging	Product Weight
SDPS6	037103203144	Boxed	0.44 lb

Cat. No.	Description
-	#0 Phillips Precision Screwdriver
-	#00 Phillips Precision Screwdriver
-	1.6mm Slotted Precision Screwdriver
-	2mm Slotted Precision Screwdriver
-	2.4mm Slotted Precision Screwdriver
-	3mm Slotted Precision Screwdriver

Wood Handle Scratch Awl



- 3-7/8" Long Steel Shaft
- Wood Handle



Cat. No.	UPC No.	Packaging	Tip Size	Blade Diameter	Blade Length	Overall Length	Product Weight
73	037103463012	Bagged	3/32 in	1/4 in	3.875 in	6.625 in	0.20 lb

Pocket Clip Screwdrivers



- Round Shaft
- Pocket Clip on Handle

Cat. No.	UPC No.	Packaging	Tip Style	Tip Size	Blade Diameter	Blade Length	Overall Length	Product Weight
5432	037103464842	Boxed	Slotted	1/8 in	1/8 in	2 in	4.25 in	0.03 lb
550	037103027405	Boxed	Phillips®	#0	1/8 in	2 in	4.25 in	0.03 lb

5 Pc. SwitchBlade™ Compound Action Multi-Blade Cutting Set



- Quick change, multi-functional blades for added versatility
- Compound action design delivers more power with less effort
- Blades coated to resist rust and corrosion
- Quick-release lock for easy one-hand operation
- Dual material grips provide added comfort and durability
- Instructions:
 - 1) With handles in closed and latched position, pull pins outward to remove the blade.
 - 2) Carefully remove the blade from handle and replace with blade of choice.
 - 3) With new blade fully inserted in handle, push the pin inward to lock in place.

Cat. No.	UPC No.	Packaging	Product Weight
CMTS4	037103275028	Carded	2.38 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	Multi-purpose blade: Cuts sheet metal (low carbon rolled steel up to 20 gauge), plastics, vinyl, carpet, gutters, cardboard, leather, screen, wire mesh, hose, roof shingles, wallpaper, cloth, and more	1	-	Plier head: Features large and small gripping teeth and integrated wire cutter	1
-	Straight cutting blade: Cuts sheet metal (low carbon rolled steel up to 18 gauge), metal ducting, aluminum siding, gutters, and more	1	-	Holster: For easy storage of set contents	1
-	Cable cutting blade: Cuts soft wire rope, soft wire cable, and rope	1			

ODDJOB™ Multi-tool



- Steel Hammer with Heft For Driving in Small Nails, Tacks and Dowels with a Nail Puller to Remove Old Nails
- Soft-Faced Mallet for Tapping Without Marring or Breaking
- Fine toothed Reversible Ratcheting Bit Driver Tightens and Loosens Screws Quickly and Easily
- Flexible Driver Shaft Bends to Reach into Tight Corners and 6 Bit Storage in Handle Makes Tackling any Job Easy
- Magnetically Retained and Removable Utility Knife Opens Boxes and Breaks Them Down with Ease
- CMT1000MP Includes 6pc. Merchandiser Package

Cat. No.	UPC No.	Product Weight
CMT1000	037103255716	1.33 lb
CMT1000MP	037103263759	1.33 lb

2 Pc. Folding Flip and Grip Wrench Set



- Versatile - Adjustable Jaw Fits Over 50 Fasteners
- Speed - Spring-Loaded, Ratcheting Jaw Turns Fasteners Quickly
- Access - Locking Pivot Helps Reach Around Obstacles in Tight Spaces
- Portable- Folding Wrench Head for Convenient Storage and Transport

Cat. No.	UPC No.	Packaging	Product Weight
CFW2	037103266484	Carded	0.97 lb

3" Twin Lock™ Connector



- Crescent Modular Hand Clamps have the ability to clamp and fixture multiple work pieces on job site
- Double end connect accessory, clamps not included
- Modularity - Slot that enables clamp to attach to other clamp and rotate for 360 degree clamp angle
- Can be used with CC12PVAD (12" Model) or CC6PVAD (6" Model)

Cat. No.	UPC No.	Description	Product Weight
CCTL100	037103273345	3" Twin Lock™ Connector	0.34 lb

2 Pc. 6" Connect™ Hand Clamp Set



- Modularity - Slot that enables clamp to attach to other clamp and rotate for 360 degree clamp angle
- Force - 500 lbs. holding clamp force
- Access - Pipe teeth grip round stock keeping it from twisting while cutting
- Speed - Quick change end slides up to convert clamp to a spreader
- Comfort - Rubber textured grips for comfort and traction when clamping
- Versatility - Twin lock connector for multiple angles and height clamping with 2 clamps

Cat. No.	UPC No.	Description	Product Weight
CC6PVAD	037103273352	6" Crescent Connect™ Hand Clamp Set	3.49 lb

2 Pc. 12" Connect™ Hand Clamp Set



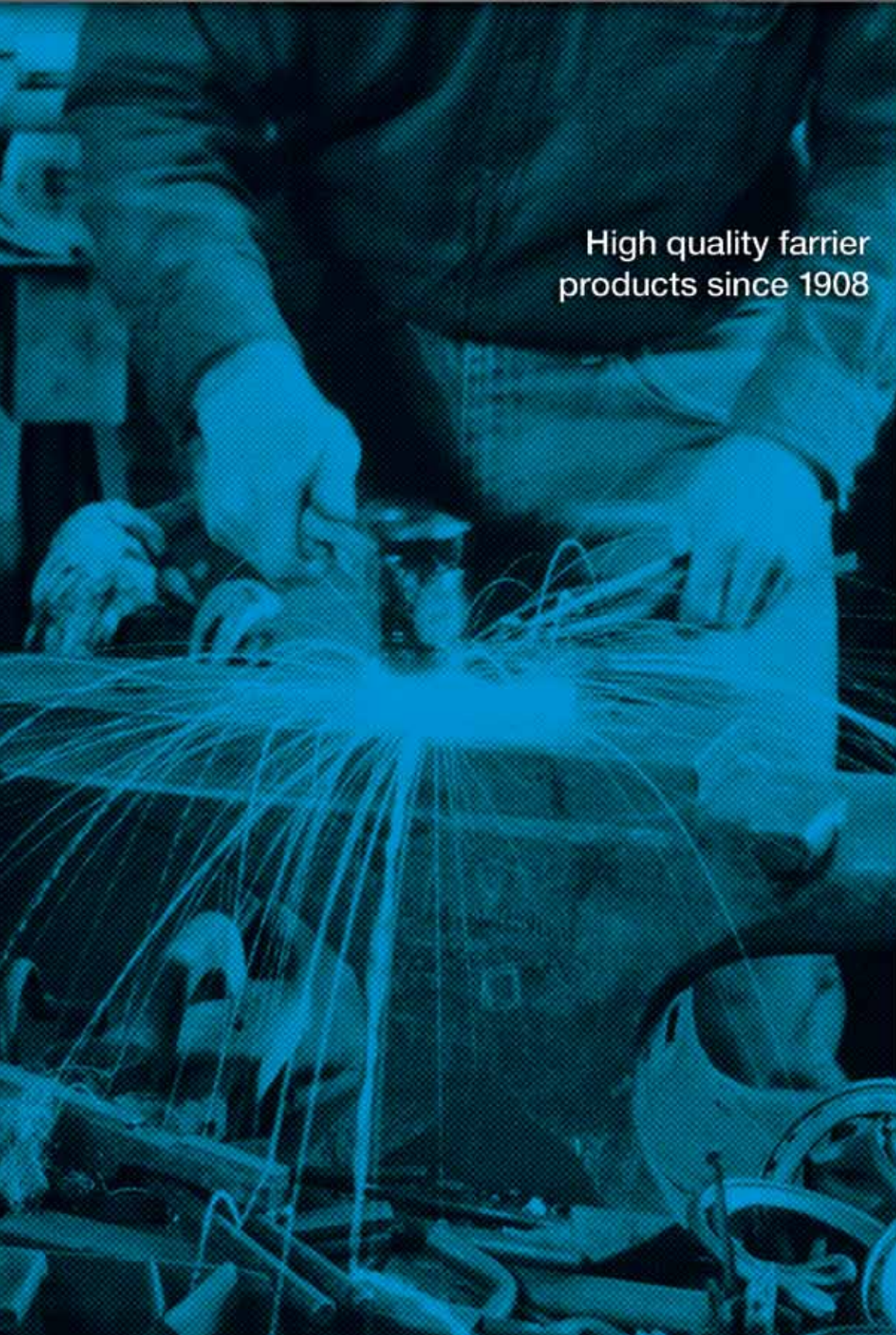
- Modularity - Slot that enables clamp to attach to other clamp and rotate for 360 degree clamp angle
- Force - 500 lbs. holding clamp force
- Access - Pipe teeth grip round stock keeping it from twisting while cutting
- Speed - Quick change end slides up to convert clamp to a spreader
- Comfort - Rubber textured grips for comfort and traction when clamping
- Versatility - Twin lock connector for multiple angles and height clamping with 2 clamps

Cat. No.	UPC No.	Description	Product Weight
CC12PVAD	037103273369	12" Crescent Connect™ Hand Clamp Set	4.00 lb



High quality farrier
products since 1908

- Horseshoes
- Horseshoe Nails
- Farrier Tools
- Rasps





You can count on Diamond to provide the closest fit, smoothest finish, and longest life every time you pick up your hammer, but it's more than that. Diamond is the only name that has a full line of shoes, nails, tools, and rasps – all designed to work beautifully together.



Horseshoes, Farrier Tools, & Rasps

EXCEPTIONAL VALUE FOR OVER 100 YEARS

- **Precision Forged High Quality Steel** for a longer lasting tool life
- **Specialized Nail Hole Pattern** allows more accurate nail placement on horseshoes
- **Perfectly Balanced and Accurately Shaped** shoes to fit average horse's foot without alteration
- **Increased Inside Shoe Taper** provides added relief from snow and clay build-up on horseshoes
- **Hardwood Handle** for better hammer durability
- **100 Years In Business** providing professional quality and exceptional value
- **Diamond Horseshoes are Reworkable**, whether cold or reheated



Specialized Nail Hole Pattern



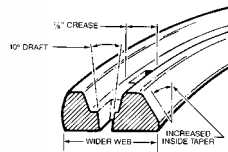
Hardwood Handle

Safety Information

Farrier tools should be used only for their designed purposes and within their size ranges. The following cautions should always be observed:

1. **Always wear approved eye protection.**
2. Never use nippers, pullers or pliers as hammers or hammer on their handles.
3. Do not extend nipper, puller or plier handle lengths to achieve greater leverage. Use a larger tool.
4. When using a hammer, strike squarely - avoid glancing blows that may cause the edge of the face to slip, possibly resulting in eye or other serious injury.
-**Never strike with or against the side or cheek of any hammer.**
5. Do not use special purpose hammers for anything but the purposes for which they were intended.
6. **Never use a hammer with a loose or damaged handle.**
7. Do not misuse tools. Nail Cutting Nipper can chip if used beyond cutting nails - **DO NOT PULL OR APPLY EXCESSIVE TORQUE WHILE CUTTING NAILS.**

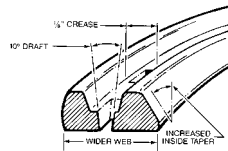
Classic Plain Horseshoes



- Nail hole pattern allows more accurate nail placement
- Wide web for increased bearing surface and hoof wall support
- Full 1/8" wide crease permits deep seating of nail head in counter sink without hang-up on crease walls
- Increased inside shoe taper provides added relief from snow and clay build-up
- Precision spaced and punched nail holes
- Lightweight for reduced fatigue
- 10° crease draft gives more control over slant when following draft of foot and hoof
- Longer creases for improved traction

Cat. No.	UPC No.	Length	Width	Weight Each	Pairs Per Box	Box Weight
DC000B	037103237132	4-13/32 in	4 in	6.7 oz	20	17 lb
DC00B	037103237149	4-23/32 in	4-9/32 in	7.7 oz	20	20 lb
DC0B	037103237156	4-15/16 in	4-5/8 in	8.7 oz	20	22 lb
DC1B	037103237163	5-9/32 in	4-13/16 in	10.0 oz	20	24 lb
DC2B	037103237170	5-5/8 in	5-1/8 in	11.1 oz	10	14 lb

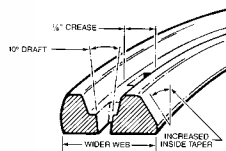
Classic Heeled Horseshoes



- Nail hole pattern allows more accurate nail placement
- Wide web for increased bearing surface and hoof wall support
- Full 1/8" wide crease permits deep seating of nail head in counter sink without hang-up on crease walls
- Increased inside shoe taper provides added relief from snow and clay build-up
- Precision spaced and punched nail holes
- Lightweight for reduced fatigue
- 10° crease draft gives more control over slant when following draft of foot and hoof
- Longer creases for improved traction

Cat. No.	UPC No.	Length	Width	Weight Each	Pairs Per Box	Box Weight
DC000HB	037103237187	4-13/32 in	4 in	6.9 oz	20	18 lb
DC00HB	037103237194	4-23/32 in	4-9/32 in	8.0 oz	20	20 lb
DC0HB	037103237200	4-15/16 in	4-5/8 in	9.1 oz	20	24 lb
DC1HB	037103237217	5-9/32 in	4-13/16 in	10.5 oz	10	13 lb
DC2HB	037103237224	5-5/8 in	5-1/8 in	11.8 oz	10	16 lb

Classic Toed and Heeled Horseshoes



- Nail hole pattern allows more accurate nail placement
- Wide web for increased bearing surface and hoof wall support
- Full 1/8" wide crease permits deep seating of nail head in counter sink without hang-up on crease walls
- Increased inside shoe taper provides added relief from snow and clay build-up
- Precision spaced and punched nail holes
- Lightweight for reduced fatigue
- 10° crease draft gives more control over slant when following draft of foot and hoof
- Longer creases for improved traction

Cat. No.	UPC No.	Length	Width	Weight Each	Pairs Per Box	Box Weight
DC00THB	037103237231	4-23/32 in	4-9/32 in	8.3 oz	20	21 lb
DC0THB	037103237248	4-15/16 in	4-5/8 in	9.5 oz	20	26 lb
DC1THB	037103237255	5-9/32 in	4-13/16 in	11.1 oz	10	19 lb

Special Plain Horseshoes



- Rounder shape than Diamond Classic shoes to give "fuller fit"
- Wider web provides more hoof wall support and protection to hoof
- Cleaner nail holes and smoother bearing surfaces for easier shoeing
- Precision hole pattern allows accurate nail placement
- Increased inside taper provides additional relief from snow and clay build-up
- Easily worked cold to fit either front or hind hooves

Cat. No.	UPC No.	Length	Width	Weight Each	Pairs Per Box	Box Weight
DS000B	037103237460	4-7/16 in	4-1/6 in	7.4 oz	20	18 lb
DS00B	037103237477	4-3/4 in	4-3/8 in	8.3 oz	20	21 lb
DS0B	037103237484	5 in	4-11/16 in	9.1 oz	20	24 lb
DS1B	037103237491	5-9/32 in	4-15/16 in	10.5 oz	10	14 lb
DS2B	037103237507	5-5/8 in	5-3/16 in	12.5 oz	10	16 lb
DS4B	037103237514	6-5/8 in	6-1/6 in	18.2 oz	10	23 lb
DS5B	037103237521	7-1/4 in	6-1/2 in	22.2 oz	10	28 lb

Bronco Plain Horseshoes



- Perfectly balanced and accurately shaped to fit average horse's foot without alteration
- Correctly tapered nail holes are precision punched and spaced
- Nail hole pattern allows more accurate nail placement
- Designed to fit both front and hind feet
- Inside taper reduces snow and clay build-up on bottom of horse's foot

Cat. No.	UPC No.	Length	Width	Weight Each	Pairs Per Box	Box Weight
000PLAINB	037103237262	4-13/32 in	3-5/8 in	7.1 oz	20	18 lb
00PLAINB	037103237279	4-23/32 in	4-9/32 in	8.7 oz	20	22 lb
0PLAINB	037103237286	4-15/16 in	4-5/8 in	9.5 oz	20	24 lb
1PLAINB	037103237293	5-9/32 in	4-13/16 in	11.1 oz	10	14 lb
2PLAINB	037103237309	5-5/8 in	5-1/8 in	13.3 oz	10	17 lb

Bronco Heeled Horseshoes



- Diamond heel calks are forged—not welded
- Perfectly balanced and accurately shaped to fit average horse's foot without alteration
- Correctly tapered nail holes are precision punched and spaced
- Nail hole pattern allows more accurate nail placement
- Designed to fit both front and hind feet
- Inside taper reduces snow and clay build-up on bottom of horse's foot

Cat. No.	UPC No.	Length	Width	Weight Each	Pairs Per Box	Box Weight
000HB	037103237316	4-13/32 in	3-5/8 in	7.4 oz	20	19 lb
00HB	037103237323	4-23/32 in	4-9/32 in	9.1 oz	20	23 lb
0HB	037103237330	4-15/16 in	4-5/8 in	10.0 oz	20	26 lb
1HB	037103237347	5-9/32 in	4-13/16 in	11.8 oz	10	15 lb
2HB	037103237354	5-5/8 in	5-1/8 in	14.3 oz	10	21 lb
4HB	037103237361	6-5/8 in	6 in	22.2 oz	10	29 lb

Bronco Toed and Heeled Horseshoes



- Diamond heel and toe calks are forged—not welded
- Perfectly balanced and accurately shaped to fit average horse's foot without alteration
- Correctly tapered nail holes are precision punched and spaced
- Nail hole pattern allows more accurate nail placement
- Designed to fit both front and hind feet
- Inside taper reduces snow and clay build-up on bottom of horse's foot

Cat. No.	UPC No.	Length	Width	Weight Each	Pairs Per Box	Box Weight
00THB	037103237378	4-23/32 in	4-9/32 in	9.5 oz	20	24 lb
0THB	037103237385	4-15/16 in	4-5/8 in	10.5 oz	20	26 lb
1THB	037103237392	5-9/32 in	4-13/16 in	12.5 oz	10	16 lb
2THB	037103237408	5-5/8 in	5-1/8 in	15.4 oz	10	19 lb
3THB	037103237415	6-5/32 in	5-9/16 in	20.0 oz	10	25 lb
4THB	037103237422	6-5/8 in	6 in	25.0 oz	10	29 lb

Specialty Horseshoes - Hind



- Designed to fit the majority of hind feet with little or no modification
- Nail holes right where they need to be
- Beveled for sole relief
- Clipped heels to minimize buildup, but still offer maximum support

Cat. No.	UPC No.	Length	Width	Weight Each	Pairs Per Box	Box Weight
00HINDB	037103237439	4-3/4 in	4-3/8 in	8.5 oz	20	20 lb
0HINDB	037103237446	5-1/8 in	4-3/4 in	9.5 oz	20	24 lb
1HINDB	037103237453	5-3/8 in	4-7/8 in	10.5 oz	10	14 lb

Specialty Horseshoes - Pony



- Forged from special steel (like the regular horseshoe) to give long wear
- Six properly spaced nail holes fit the average pony hoof
- NOTE: For No. 2 Pony shoe, use Diamond® Cat. No. 000PLAIN Bronco horseshoe.

Cat. No.	UPC No.	Length	Width	Weight Each	Pairs Per Box	Box Weight
0PONYB	037103237576	3-3/4 in	3-5/16 in	5.0 oz	40	24 lb
1PONYB	037103237583	4-1/16 in	3-7/16 in	5.3 oz	40	26 lb

Specialty Horseshoes - Rim



- Popular choice for cutting, roping, barrel racing, pleasure, polo, or jumping
- Deep, self-cleaning crease designed for positive grip

Cat. No.	UPC No.	Length	Width	Weight Each	Pairs Per Box	Box Weight
0ORIMB	037103237538	4-1/2 in	4-1/8 in	8.8 oz	20	20 lb
ORIMB	037103237545	4-3/4 in	4-9/32 in	9.0 oz	20	22 lb
1RIMB	037103237552	5 in	4-5/8 in	10.9 oz	20	24 lb
2RIMB	037103237569	5-3/8 in	4-25/32 in	11.3 oz	20	25 lb

Specialty Horseshoes - Toe Weights



- Designed for Tennessee walking horses or other breeds that require extra weights
- Forged with countersunk nail holes and weight at the toe
- Sizes 1 and 2 have three nail holes on each side, size 3 has four

Cat. No.	UPC No.	Length	Width	Thickness	Weight Each	Pairs Per Box	Box Weight
1TWB	037103237644	5-1/4 in	4-1/2 in	1-1/4 in x 3/8 in	15.0 oz	10	19 lb
2TWB	037103237668	5-3/4 in	4-7/8 in	1-3/8 in x 3/8 in	18.0 oz	10	23 lb
3TWB	037103237675	6-1/8 in	5-1/4 in	1-3/8 in x 7/16 in	20.3 oz	10	25 lb

Clipped Horseshoes - Front



- Uniquely ground and brushed on both sides, like all Diamond shoes, for the cleanest nail holes
- Rounder shape gives fuller fit so less modification is needed
- Helps stabilize shoe to foot

Cat. No.	UPC No.	Length	Width	Weight Each	Pairs Per Box	Box Weight
D00FCB	037103237705	4-3/4 in	4-3/8 in	9.0 oz	20	23 lb
D0FCB	037103237729	5 in	4-11/16 in	10.0 oz	20	25 lb
D1FCB	037103237743	5-9/32 in	4-15/16 in	11.0 oz	20	28 lb
D2FCB	037103237767	5-5/8 in	5-3/16 in	12.0 oz	20	30 lb

Clipped Horseshoes - Hind



- Uniquely ground and brushed on both sides, like all Diamond shoes, for the cleanest nail holes
- Rounder shape gives fuller fit so less modification is needed
- Helps stabilize shoe to foot

Cat. No.	UPC No.	Length	Width	Weight Each	Pairs Per Box	Box Weight
D00HCB	037103237712	4-49/64 in	4-25/64 in	9.0 oz	20	23 lb
D0HCB	037103237736	5-1/8 in	4-3/4 in	10.0 oz	20	25 lb
D1HCB	037103237750	5-3/8 in	4-7/8 in	11.0 oz	20	28 lb
D2HCB	037103237774	5-3/4 in	5-1/4 in	12.0 oz	20	30 lb

Competitor Horseshoes - Front



- Full crease for maximum traction and stability
- Straight heel cut 5/16" thick for needed support
- Forged sole relief
- Built-in roll toe allows horse to "Break Over" where they want
- Wide web offers more protection for performance and competitive horses
- Inside bevel for better traction, confidence, and helps prevent build-up
- Crease depth perfect for locking in nail heads and added traction
- Clean nail holes with ideal placement

Cat. No.	UPC No.	Length	Width	Weight Each	Pairs Per Box	Box Weight
0FBDCB	037103237606	5 in	4-3/4 in	9.8 oz	20	25 lb
1FBDCB	037103237620	5-1/4 in	4-7/8 in	10.4 oz	20	26 lb
2FBDCB	037103237651	5-3/4 in	5-3/8 in	12.5 oz	10	16 lb

Competitor Horseshoes - Hind



- Full crease for maximum traction and stability
- Straight heel cut 5/16" thick for needed support
- Forged sole relief
- Built-in roll toe allows horse to "Break Over" where they want
- Wide web offers more protection for performance and competitive horses
- Inside bevel for better traction, confidence, and helps prevent build-up
- Crease depth perfect for locking in nail heads and added traction
- Clean nail holes with ideal placement

Cat. No.	UPC No.	Length	Width	Weight Each	Pairs Per Box	Box Weight
00HBDCB	037103237590	4-3/4 in	4-3/8 in	8.7 oz	20	22 lb
0HBDCB	037103237613	5-1/8 in	4-3/4 in	9.8 oz	20	25 lb
1HBDCB	037103237637	5-3/8 in	4-7/8 in	10.4 oz	20	26 lb

Specialty Horseshoes - Draft



- Forged, punched and creased for easy application
- Reworkable to form smaller sizes
- Heels can be turned up or cut off
- Beveled on inside for relief of snow or clay

Cat. No.	UPC No.	Length	Width	Thickness	Weight Each	Pairs Per Box	Box Weight
6DRAFTB	037103237682	9-1/2 in	6-1/2 in	1/2 in	41.0 oz	10	51 lb
8DRAFTB	037103237699	9-7/8 in	7-1/8 in	1/2 in	48.0 oz	10	60 lb

Horseshoe Nails



- Manufactured from the highest quality steel with a closely controlled rolling process that produces precision nails with a high tensile strength
- Uniformly tempered to provide optimum elasticity while preserving material strength for consistent and easy driving
- Slim, sleek shank drives easier and safer
- Sharp beveled points for easy hoof wall exit
- Proper stiffness for straight accurate driving without bending, while clinching easily after wall exit for firm holding
- Nails are packaged in an attractive, durable plastic container with a replaceable sliding lid for easy and secure storage

Cat. No.	UPC No.	Size and Description	Nails Per Box	Boxes Per Case	Nails Per Pound	Weight Per Case
D412CH1	037103228352	4 1/2 City Head Nail	100	24	204	16 lb
D412RACE1N	037103269942	4 1/2 Race Head Nail	100	24	217	16 lb
D5CC2	037103228376	5 City Combo Head Nail	250	12	161	21 lb
D5CH1N	037103255471	5 City Head Nail	100	24	172	18 lb
D5CH2N	037103255488	5 City Head Nail	250	12	172	21 lb
D5CS1N	037103255730	5 City Slim Head Nail	100	24	179	18 lb
D5CS2N	037103255723	5 City Slim Head Nail	250	12	179	20 lb
D5RH1	037103228369	5 Regular Head Nail	100	24	133	19 lb
D6CH1N	037103267009	6 City Head Nail	100	24	128	21 lb
D6RH1N	037103267016	6 Regular Head Nail	100	24	101	24 lb

Hoof Nippers



■ Professional quality

■ Precision manufactured from special alloy steel with button rivet

Cat. No.	UPC No.	Length	Packed Per Box	Product Weight
FN12	043127101717	12 in	1	1.37 lb
FN15	043127101731	15 in	1	1.75 lb

Economy Hoof Nippers



■ Economy model

■ Sharp cutting edges are hardened, honed and flush ground

■ Forged from high quality steel with heat-treated jaws and handles

■ Chrome plated with polished head and plastic coated handles

Cat. No.	UPC No.	Length	Packed Per Box	Product Weight
14DN	037103213747	14 in	1	2.00 lb

Nail Cutting Nippers



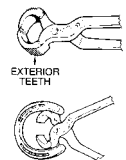
■ Designed with wide throat clearance and high handle leverage

■ Forged from high strength alloy steel for increased jaw and handle strength

■ Jaws angled for ease in cutting close to flat surfaces

Cat. No.	UPC No.	Length	Packed Per Box	Product Weight
N10	043127101755	10 in	1	0.40 lb

Combination Shoe Puller / Spreader



■ Has exclusive pattern with sharp teeth on outside edges for ease in spreading most shoe sizes and styles

■ Round knobs on handle ends make selection easy

■ Can also be used for cutting nails

■ Button rivet construction

Cat. No.	UPC No.	Length	Packed Per Box	Product Weight
SP12D	043127066993	12 in	1	1.50 lb

Crease Nail Puller



- For removal of nails from crease of shoes that have been on horse for some time
- An essential tool for removal of misdriven nails from new shoes

- Precision forged from high quality tool steel for long life
- Button rivet construction with polished head

Cat. No.	UPC No.	Length	Packed Per Box	Product Weight
NP12	043127101816	12 in	1	1.00 lb

Farrier Tongs



- Manufactured from special low carbon steel for lasting strength
- Will not become brittle when quenched in water
- Ideal for handling average size shoes

Cat. No.	UPC No.	Length	Packed Per Box	Product Weight
FT15	043127101793	15 in	5	1.00 lb

Diamond Horse Rasps



- Superior performance in both wet and dry conditions
- Resists clogging due to the angled tooth face
- Both sides are safe 7/8"/22mm at point
- Rasp teeth on 1 side, file teeth on opposite, single cut on edges
- Rasp side allows for aggressive, but controlled hoof removal

- File side produces a consistent smooth finish
- Rectangular shape
- Sharper than regular horse rasps
- HR15 (Outlaw) rasp is less aggressive, but extremely durable for long life

Cat. No.	UPC No.	Length	File Cut	Product Weight	Shelf Pack Qty.
HR14N	037103219510	14 in	Rasp/File	1.40 lb	6
HR15	037103206343	14 in	Rasp/Double	1.65 lb	6

Hoof Knives



- High quality steel blades
- Two blade widths—# 271 is narrow; # 280 is wide
- Choice of right or left hand blades. (Specify when ordering)
- Note: Suffix "R" indicates right hand blade and "L" left hand.

Cat. No.	UPC No.	Length	Packed Per Box	Weight Each
271L	043127102103	8 in	6	3 oz
271R	043127102097	8 in	6	3 oz
280L	043127102127	8 in	6	3.5 oz
280R	043127102110	8 in	6	3.5 oz

Clinchers



- Three models forged from high quality steel with button rivet
- Farrier Clincher (FC12)—designed to roll over high and low nails. Downward push with rolling action clinches nail
- NOTE: Tool should not be squeezed when clinching nail
- Saddle Horse Clincher (HC12)—for use on larger nails in saddle horse hoofs
- Gooseneck Clincher (PC12)—turns heads of smaller nails when shoeing ponies and race horses

Cat. No.	UPC No.	Length	Packed Per Box	Product Weight
FC12	043127101823	12 in	1	1.00 lb
HC12	043127101830	12 in	1	1.06 lb
PC12	043127101847	12 in	1	1.13 lb

Clinch Cutter



- High quality steel forging
- Beveled on outside edge only. Flush inside edge allows close cutting
- An all purpose tool with one end designed for cutting and the other for pritchel

Cat. No.	UPC No.	Length	Width	Packed Per Box	Product Weight
C7	043127102042	6 in	2-3/4 in	1	12 oz

Clinch Block



- Solid steel for clinching and seating nails

Cat. No.	UPC No.	Length	Packed Per Box	Product Weight
CB4	043127102080	4 in	6	10.37 lb

Pritchel



- Manufactured from high quality 5/8" tool steel
- Clears shoe nail holes
- New flat design

Cat. No.	UPC No.	Length	Packed Per Box	Product Weight
P12D	043127102172	12 in	12	14 oz

Fence Tool



- For wood and steel posts on ranch or farm
- Heavy-duty lockjoint construction with oval faced jaws
- Starting and pulling point on one jaw with corrugated hammer head on the other
- Front pulls staples, lifts lugs, and splices wires—wire stretcher located behind joint
- Handles green plastic coated

Cat. No.	UPC No.	Length	Packed Per Box	Product Weight
DFT10	037103197351	10-5/8 in	10	1.50 lb

Rounding Hammers



- Perfectly balanced; one round, crowned face, one flat
- Faces beveled to reduce possibility of chipping
- Hardwood handles

Cat. No.	UPC No.	Size and Description	Packed Per Box	Product Weight
60	043127101861	24 oz Rounding Hammer	4	24 oz
61B	043127101892	36 oz Rounding Hammer	4	36 oz

Driving Hammers



- Forged from high quality steel
- The most useful farrier hammer available
- Hardwood handles

Cat. No.	UPC No.	Size and Description	Packed Per Box	Product Weight
FH10	043127101878	10 oz. Race Track Driving Hammer	6	0.84 lb
FH14	043127066955	14 oz. Farrier Driving Hammer	6	1.00 lb



Wrenches that provide
the highest productivity,
through speed, strength
and access

- Combination Ratcheting Wrenches
- Reversible & Flex Combination Ratcheting Wrenches
- Specialty Ratcheting Wrenches



GEARWRENCH®

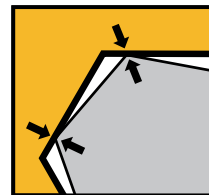
Since being patented in 1996, GearWrench® has been the leader in ratcheting wrenches, with more styles and sizes than any other brand. Available in over 25 styles and 450 sizes, GearWrench has a solution for any wrenching problem.



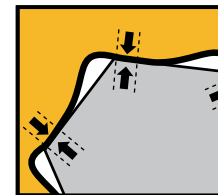
Ratcheting Wrenches for Every Application

RATCHET UP YOUR PRODUCTIVITY

- **Surface Drive®** technology on ratcheting box end applies force to the flats of sockets, reducing fastener rounding
- **Ratcheting Box End** needs as little as 5° to move fasteners versus 30° for standard box end wrenches
- **Full-Polish Finish** provides high-visibility and is easy to clean
- **Ratcheting-Action** offers the productivity of a ratchet with the convenience of a wrench
- **Low-Profile Head and Shank** allow wrenches to squeeze into tight confines
- **Strength:** GearWrench wrenches exceed ANSI specifications and are designed to provide reliable performance and long life
- **Full Ratcheting Wrench Line** has styles to fit every application, including flex-head, S-shape, and stubby



Ordinary Socket



Surface Drive® Technology



12 Pc. 12 Point Metric XL X-Beam™ Ratcheting Combination Wrench Set



- Patented, Award Winning Design
- X-Beam™ Design has over 500% More Surface Area, Enabling More Force and Less Hand Fatigue
- One Piece Forged Beam Design - No Metal Twisting or Weak Spots
- Up to 25% Longer to Access Hard-to-Reach Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85888	082171858888	Blow Mold Tray	4.12 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85808	8 mm	85811	11 mm	85814	14 mm	85817	17 mm
85809	9 mm	85812	12 mm	85815	15 mm	85818	18 mm
85810	10 mm	85813	13 mm	85816	16 mm	85819	19 mm

9 Pc. 12 Point SAE XL X-Beam™ Ratcheting Combination Wrench Set



- Patented, Award Winning Design
- X-Beam™ Design has over 500% More Surface Area, Enabling More Force and Less Hand Fatigue
- One Piece Forged Beam Design - No Metal Twisting or Weak Spots
- Up to 25% Longer to Access Hard-to-Reach Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85898	082171858987	Blow Mold Tray	2.95 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85850	5/16 in	85854	7/16 in	85860	5/8 in
85851	11/32 in	85856	1/2 in	85862	11/16 in
85852	3/8 in	85858	9/16 in	85864	3/4 in

12 Pc. 12 Point Metric XL X-Beam™ Flex Combination Ratcheting Wrench Set



- Patented, Award Winning Design
- Flexible Head with Hex Head Set Screw, Not Pinned
- X-Beam™ Design Has Over 500% More Surface Area, Enabling More Force and Less Hand Fatigue
- One Piece Forged Beam Design - No Metal Twisting or Weak Spots
- Up to 25% Longer to Access Hard-to-Reach Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85288	099575852886	Blow Mold Tray	5.36 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85258	8 mm	85261	11 mm	85264	14 mm	85267	17 mm
85259	9 mm	85262	12 mm	85265	15 mm	85268	18 mm
85260	10 mm	85263	13 mm	85266	16 mm	85269	19 mm

9 Pc. 12 Point SAE XL X-Beam™ Flex Combination Ratcheting Wrench Set



- Patented, Award Winning Design
- Flexible Head with Hex Head Set Screw, Not Pinned
- X-Beam™ Design Has Over 500% More Surface Area, Enabling More Force and Less Hand Fatigue
- One Piece Forged Beam Design - No Metal Twisting or Weak Spots
- Up to 25% Longer to Access Hard-to-Reach Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85298	099575852985	Blow Mold Tray	3.93 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85270	5/16 in	85272	3/8 in	85276	1/2 in	85280	5/8 in	85284	3/4 in
85271	11/32 in	85274	7/16 in	85278	9/16 in	85282	11/16 in		

12 Pc. 12 Point Metric XL X-Beam™ Reversible Combination Ratcheting Wrench Set



- Patented Award Winning Design
- Up to 25% Longer to Access Hard-To-Reach Fasteners
- X-Beam™ Allows You to Apply Force to the Flat Side of the Wrench, Reducing Hand Fatigue
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding
- One Piece Forged Beam Design - No Metal Twisting or Weak Spots

Cat. No.	UPC No.	Packaging	Product Weight
85388	099575853883	Blow Mold Tray	5.06 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85308	8 mm	85311	11 mm	85314	14 mm	85317	17 mm
85309	9 mm	85312D	12 mm	85315	15 mm	85318	18 mm
85310D	10 mm	85313	13 mm	85316	16 mm	85319D	19 mm

9 Pc. 12 Point SAE XL X-Beam™ Reversible Combination Ratcheting Wrench Set



- Patented Award Winning Design
- Up to 25% Longer to Access Hard-To-Reach Fasteners
- X-Beam™ Allows You to Apply Force to the Flat Side of the Wrench, Reducing Hand Fatigue
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding
- One Piece Forged Beam Design - No Metal Twisting or Weak Spots

Cat. No.	UPC No.	Packaging	Product Weight
85398	099575853982	Blow Mold Tray	3.84 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85360	5/16 in	85362	3/8 in	85366	1/2 in	85370	5/8 in	85374	3/4 in
85361	11/32 in	85364	7/16 in	85368	9/16 in	85372	11/16 in		

12 Point SAE XL X-Beam™ Ratcheting Combination Wrenches



- Patented, Award Winning Design
- X-Beam™ Design Has Over 500% More Surface Area, Enabling More Force and Less Hand Fatigue
- One Piece Forged Beam Design - No Metal Twisting or Weak Spots
- Up to 25% Longer to Access Hard-to-Reach Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85850	082171858505	Carded	5/16 in	0.770 in	0.200 in	0.670 in	0.270 in	5.910 in	0.09 lb
85851	082171858512	Carded	11/32 in	0.770 in	0.210 in	0.700 in	0.270 in	6.500 in	0.11 lb
85852	082171858529	Carded	3/8 in	0.860 in	0.220 in	0.780 in	0.300 in	7.090 in	0.13 lb
85854	082171858543	Carded	7/16 in	0.950 in	0.250 in	0.850 in	0.320 in	7.680 in	0.17 lb
85856	082171858567	Carded	1/2 in	1.150 in	0.320 in	0.980 in	0.340 in	8.660 in	0.25 lb
85858	082171858581	Carded	9/16 in	1.230 in	0.330 in	1.040 in	0.370 in	9.250 in	0.29 lb
85860	082171858604	Carded	5/8 in	1.360 in	0.350 in	1.200 in	0.410 in	10.240 in	0.41 lb
85862	082171858628	Carded	11/16 in	1.490 in	0.360 in	1.270 in	0.420 in	10.830 in	0.53 lb
85864	082171858642	Carded	3/4 in	1.630 in	0.370 in	1.340 in	0.440 in	12.010 in	0.65 lb

12 Point Metric XL X-Beam™ Ratcheting Combination Wrenches



- Patented, Award Winning Design
- X-Beam™ Design Has Over 500% More Surface Area, Enabling More Force and Less Hand Fatigue
- One Piece Forged Beam Design - No Metal Twisting or Weak Spots
- Up to 25% Longer to Access Hard-to-Reach Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85808	082171858086	Carded	8 mm	0.770 in	0.200 in	0.670 in	0.270 in	5.910 in	0.09 lb
85809	082171858093	Carded	9 mm	0.770 in	0.210 in	0.700 in	0.270 in	6.500 in	0.11 lb
85810	082171858109	Carded	10 mm	0.860 in	0.220 in	0.780 in	0.300 in	7.090 in	0.13 lb
85811	082171858116	Carded	11 mm	0.950 in	0.250 in	0.850 in	0.320 in	7.680 in	0.13 lb
85812	082171858123	Carded	12 mm	1.050 in	0.290 in	0.910 in	0.340 in	8.150 in	0.15 lb
85813	082171858130	Carded	13 mm	1.150 in	0.320 in	0.980 in	0.340 in	8.660 in	0.17 lb
85814	082171858147	Carded	14 mm	1.230 in	0.330 in	1.040 in	0.370 in	9.250 in	0.21 lb
85815	082171858154	Carded	15 mm	1.330 in	0.330 in	1.130 in	0.390 in	9.840 in	0.25 lb
85816	082171858161	Carded	16 mm	1.360 in	0.350 in	1.200 in	0.410 in	10.240 in	0.29 lb
85817	082171858178	Carded	17 mm	1.490 in	0.360 in	1.270 in	0.420 in	10.830 in	0.33 lb
85818	082171858185	Carded	18 mm	1.580 in	0.370 in	1.310 in	0.440 in	11.420 in	0.41 lb
85819	082171858192	Carded	19 mm	1.630 in	0.370 in	1.340 in	0.440 in	12.010 in	0.46 lb

12 Point SAE XL X-Beam™ Reversible Combination Ratcheting Wrenches



- Patented Award Winning Design
- Up to 25% Longer to Access Hard-To-Reach Fasteners
- X-Beam™ Allows You to Apply Force to the Flat Side of the Wrench, Reducing Hand Fatigue
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding
- One Piece Forged Beam Design - No Metal Twisting or Weak Spots

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85360	099575853609	Carded	5/16 in	0.770 in	0.200 in	0.670 in	0.270 in	5.910 in	0.09 lb
85361	099575853616	Carded	11/32 in	0.770 in	0.210 in	0.700 in	0.270 in	6.500 in	0.11 lb
85362	099575853623	Carded	3/8 in	0.860 in	0.220 in	0.780 in	0.300 in	7.090 in	0.15 lb
85364	099575853647	Carded	7/16 in	0.950 in	0.250 in	0.850 in	0.320 in	7.680 in	0.19 lb
85366	099575853661	Carded	1/2 in	1.150 in	0.320 in	0.980 in	0.340 in	8.660 in	0.26 lb
85368	099575853685	Carded	9/16 in	1.230 in	0.330 in	1.040 in	0.370 in	9.250 in	0.31 lb
85370	099575853708	Carded	5/8 in	1.360 in	0.350 in	1.200 in	0.410 in	10.240 in	0.45 lb
85372	099575853722	Carded	11/16 in	1.490 in	0.360 in	1.270 in	0.420 in	10.830 in	0.54 lb
85374	099575853746	Carded	3/4 in	1.630 in	0.370 in	1.340 in	0.440 in	12.010 in	0.66 lb

12 Point Metric XL X-Beam™ Reversible Combination Ratcheting Wrenches



- Patented Award Winning Design
- Up to 25% Longer to Access Hard-To-Reach Fasteners
- X-Beam™ Allows You to Apply Force to the Flat Side of the Wrench, Reducing Hand Fatigue
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding
- One Piece Forged Beam Design - No Metal Twisting or Weak Spots

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85308	099575853081	Carded	8 mm	0.770 in	0.200 in	0.670 in	0.270 in	5.910 in	0.09 lb
85309	099575853098	Carded	9 mm	0.770 in	0.210 in	0.700 in	0.270 in	6.500 in	0.11 lb
85310D	099575853104	Carded	10 mm	0.860 in	0.220 in	0.780 in	0.300 in	7.090 in	0.15 lb
85311	099575853111	Carded	11 mm	0.950 in	0.250 in	0.850 in	0.320 in	7.680 in	0.19 lb
85312D	099575853128	Carded	12 mm	1.050 in	0.290 in	0.910 in	0.340 in	8.150 in	0.22 lb
85313	099575853135	Carded	13 mm	1.150 in	0.320 in	0.980 in	0.340 in	8.660 in	0.26 lb
85314	099575853142	Carded	14 mm	1.230 in	0.330 in	1.040 in	0.370 in	9.250 in	0.31 lb
85315	099575853159	Carded	15 mm	1.330 in	0.330 in	1.130 in	0.390 in	9.840 in	0.40 lb
85316	099575853166	Carded	16 mm	1.360 in	0.350 in	1.200 in	0.410 in	10.240 in	0.45 lb
85317	099575853173	Carded	17 mm	1.490 in	0.360 in	1.270 in	0.420 in	10.830 in	0.54 lb
85318	099575853180	Carded	18 mm	1.580 in	0.370 in	1.310 in	0.440 in	11.420 in	0.58 lb
85319D	099575853197	Carded	19 mm	1.630 in	0.370 in	1.340 in	0.440 in	12.010 in	0.66 lb

12 Point SAE XL X-Beam™ Flex Combination Ratcheting Wrenches



- Patented, Award Winning Design
- Flexible Head with Hex Head Set Screw, Not Pinned
- X-Beam™ Design Has Over 500% More Surface Area, Enabling More Force and Less Hand Fatigue
- One Piece Forged Beam Design - No Metal Twisting or Weak Spots
- Up to 25% Longer to Access Hard-to-Reach Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85270	099575852701	Carded	5/16 in	0.770 in	0.200 in	0.670 in	0.270 in	5.910 in	0.11 lb
85271	099575852718	Carded	11/32 in	0.770 in	0.210 in	0.700 in	0.270 in	6.500 in	0.13 lb
85272	099575852725	Carded	3/8 in	0.860 in	0.220 in	0.780 in	0.300 in	7.090 in	0.18 lb
85274	099575852749	Carded	7/16 in	0.950 in	0.250 in	0.850 in	0.320 in	7.680 in	0.22 lb
85276	099575852763	Carded	1/2 in	1.150 in	0.320 in	0.980 in	0.340 in	8.660 in	0.28 lb
85278	099575852787	Carded	9/16 in	1.230 in	0.330 in	1.040 in	0.370 in	9.250 in	0.36 lb
85280	099575852800	Carded	5/8 in	1.360 in	0.350 in	1.200 in	0.410 in	10.240 in	0.48 lb
85282	099575852824	Carded	11/16 in	1.490 in	0.360 in	1.270 in	0.420 in	10.830 in	0.57 lb
85284	099575852848	Carded	3/4 in	1.630 in	0.370 in	1.340 in	0.440 in	12.010 in	0.75 lb

12 Point Metric XL X-Beam™ Flex Combination Ratcheting Wrenches



- Patented, Award Winning Design
- Flexible Head with Hex Head Set Screw, Not Pinned
- X-Beam™ Design Has Over 500% More Surface Area, Enabling More Force and Less Hand Fatigue
- One Piece Forged Beam Design - No Metal Twisting or Weak Spots
- Up to 25% Longer to Access Hard-to-Reach Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85258	099575852589	Carded	8 mm	0.770 in	0.200 in	0.670 in	0.270 in	5.910 in	0.11 lb
85259	099575852596	Carded	9 mm	0.770 in	0.210 in	0.700 in	0.270 in	6.500 in	0.14 lb
85260	099575852602	Carded	10 mm	0.860 in	0.220 in	0.780 in	0.300 in	7.090 in	0.17 lb
85261	099575852619	Carded	11 mm	0.950 in	0.250 in	0.850 in	0.320 in	7.680 in	0.21 lb
85262	099575852626	Carded	12 mm	1.050 in	0.290 in	0.910 in	0.340 in	8.150 in	0.22 lb
85263	099575852633	Carded	13 mm	1.150 in	0.320 in	0.980 in	0.340 in	8.660 in	0.28 lb
85264	099575852640	Carded	14 mm	1.230 in	0.330 in	1.040 in	0.370 in	9.250 in	0.36 lb
85265	099575852657	Carded	15 mm	1.330 in	0.330 in	1.130 in	0.390 in	9.840 in	0.39 lb
85266	099575852664	Carded	16 mm	1.360 in	0.350 in	1.200 in	0.410 in	10.240 in	0.47 lb
85267	099575852671	Carded	17 mm	1.490 in	0.360 in	1.270 in	0.420 in	10.830 in	0.57 lb
85268	099575852688	Carded	18 mm	1.580 in	0.370 in	1.310 in	0.440 in	11.420 in	0.62 lb
85269	099575852695	Carded	19 mm	1.630 in	0.370 in	1.340 in	0.440 in	12.010 in	0.74 lb

16 Pc. 12 Point Metric XL Combination Ratcheting Wrench Set with V Rack



- XL Combination 20% Longer and 25% Stronger
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85099	082171850998	Carded	8.26 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85008D	8 mm	85012	12 mm	85016	16 mm	85020	20 mm
85009	9 mm	85013D	13 mm	85017	17 mm	85021	21 mm
85010	10 mm	85014	14 mm	85018	18 mm	85022	22 mm
85011	11 mm	85015	15 mm	85019	19 mm	85024D	24 mm

16 Pc. 12 Point Metric XL Combination Ratcheting Wrench Set with Wrench Roll



- XL Combination 20% Longer and 25% Stronger
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85099R	082171850929	Boxed	8.64 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85008D	8 mm	85012	12 mm	85016	16 mm	85020	20 mm
85009	9 mm	85013D	13 mm	85017	17 mm	85021	21 mm
85010	10 mm	85014	14 mm	85018	18 mm	85022	22 mm
85011	11 mm	85015	15 mm	85019	19 mm	85024D	24 mm

13 Pc. 12 Point SAE XL Combination Ratcheting Wrench Set with V Rack



- XL Combination 20% Longer and 25% Stronger
- Ratcheting Box End Needs as Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85199	082171851995	Carded	7.62 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85108	1/4 in	85116	1/2 in	85124D	3/4 in	85132	1 in
85110	5/16 in	85118	9/16 in	85126	13/16 in		
85112	3/8 in	85120D	5/8 in	85128	7/8 in		
85114	7/16 in	85122D	11/16 in	85130	15/16 in		

13 Pc. 12 Point SAE XL Combination Ratcheting Wrench Set with Wrench Roll



- XL Combination 20% Longer and 25% Stronger
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85199R	082171851919	Boxed	3.65 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85108	1/4 in	85116	1/2 in	85124D	3/4 in	85132	1 in
85110	5/16 in	85118	9/16 in	85126	13/16 in		
85112	3/8 in	85120D	5/8 in	85128	7/8 in		
85114	7/16 in	85122D	11/16 in	85130	15/16 in		

12 Pc. 12 Point Metric XL Combination Ratcheting Wrench Set with V Rack



- XL Combination 20% Longer and 25% Stronger
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85098	082171850981	Carded	4.12 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85008D	8 mm	85011	11 mm	85014	14 mm	85017	17 mm
85009	9 mm	85012	12 mm	85015	15 mm	85018	18 mm
85010	10 mm	85013D	13 mm	85016	16 mm	85019	19 mm

10 Pc. 12 Point Metric XL Combination Ratcheting Wrench Set with Wrench Roll



- XL Combination 20% Longer and 25% Stronger
- Ratcheting Box End Needs As Little as 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85090R	082171850905	Boxed	3.45 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85010	10 mm	85013D	13 mm	85016	16 mm	85019	19 mm
85011	11 mm	85014	14 mm	85017	17 mm		
85012	12 mm	85015	15 mm	85018	18 mm		

8 Pc. 12 Point SAE XL Combination Ratcheting Wrench Set with V Rack



- XL Combination 20% Longer and 25% Stronger
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- Surface Drive[®] on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85198	082171851988	Carded	3.12 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85110	5/16 in	85114	7/16 in	85118	9/16 in	85122D	11/16 in
85112	3/8 in	85116	1/2 in	85120D	5/8 in	85124D	3/4 in

7 Pc. 12 Point SAE XL Combination Ratcheting Wrench Set with Wrench Roll



- XL Combination 20% Longer and 25% Stronger
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- Surface Drive[®] on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85197R	082171851971	Boxed	3.25 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85112	3/8 in	85116	1/2 in	85120D	5/8 in	85124D	3/4 in
85114	7/16 in	85118	9/16 in	85122D	11/16 in		

12 Point SAE XL Combination Ratcheting Wrenches



- XL Combination 20% Longer and 25% Stronger
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Surface Drive[®] on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85108	082171851087	Carded	1/4 in	0.570 in	0.180 in	0.610 in	0.260 in	5.310 in	0.09 lb
85110	082171851100	Carded	5/16 in	0.770 in	0.200 in	0.670 in	0.270 in	5.910 in	0.12 lb
85112	082171851124	Carded	3/8 in	0.860 in	0.220 in	0.780 in	0.300 in	7.090 in	0.17 lb
85114	082171851148	Carded	7/16 in	0.950 in	0.250 in	0.850 in	0.320 in	7.680 in	0.20 lb
85116	082171851162	Carded	1/2 in	1.150 in	0.320 in	0.980 in	0.340 in	8.660 in	0.30 lb
85118	082171851186	Carded	9/16 in	1.230 in	0.330 in	1.040 in	0.370 in	9.250 in	0.38 lb

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85120D	082171851209	Carded	5/8 in	1.360 in	0.350 in	1.200 in	0.410 in	10.240 in	0.43 lb
85122D	082171851223	Carded	11/16 in	1.490 in	0.360 in	1.270 in	0.420 in	10.830 in	0.49 lb
85124D	082171851247	Carded	3/4 in	1.630 in	0.370 in	1.340 in	0.440 in	12.010 in	0.76 lb
85126	082171851261	Carded	13/16 in	1.770 in	0.400 in	1.540 in	0.510 in	12.510 in	0.95 lb
85128	082171851285	Carded	7/8 in	1.870 in	0.420 in	1.540 in	0.510 in	13.000 in	1.01 lb
85130	082171851308	Carded	15/16 in	2.010 in	0.440 in	1.750 in	0.570 in	14.000 in	1.25 lb
85132	082171851322	Carded	1 in	2.090 in	0.460 in	1.750 in	0.570 in	14.500 in	1.39 lb

12 Point Metric XL Combination Ratcheting Wrenches



- XL Combination 20% Longer and 25% Stronger
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85007	082171850073	Carded	7 mm	0.640 in	0.190 in	0.620 in	0.260 in	5.610 in	0.09 lb
85008D	082171850080	Carded	8 mm	0.770 in	0.200 in	0.670 in	0.270 in	5.910 in	0.12 lb
85009	082171850097	Carded	9 mm	0.770 in	0.210 in	0.700 in	0.270 in	6.500 in	0.14 lb
85010	082171850103	Carded	10 mm	0.860 in	0.220 in	0.780 in	0.300 in	7.090 in	0.16 lb
85011	082171850110	Carded	11 mm	0.950 in	0.250 in	0.850 in	0.320 in	7.680 in	0.20 lb
85012	082171850127	Carded	12 mm	1.050 in	0.290 in	0.910 in	0.340 in	8.150 in	0.23 lb
85013D	082171850134	Carded	13 mm	1.150 in	0.320 in	0.980 in	0.340 in	8.660 in	0.31 lb
85014	082171850141	Carded	14 mm	1.230 in	0.330 in	1.040 in	0.370 in	9.250 in	0.36 lb
85015	082171850158	Carded	15 mm	1.330 in	0.330 in	1.130 in	0.390 in	9.840 in	0.41 lb
85016	082171850165	Carded	16 mm	1.360 in	0.350 in	1.200 in	0.410 in	10.240 in	0.50 lb
85017	082171850172	Carded	17 mm	1.490 in	0.360 in	1.270 in	0.420 in	10.830 in	0.55 lb
85018	082171850189	Carded	18 mm	1.580 in	0.370 in	1.310 in	0.440 in	11.420 in	0.65 lb
85019	082171850196	Carded	19 mm	1.630 in	0.370 in	1.340 in	0.440 in	12.010 in	0.72 lb
85020	082171850202	Carded	20 mm	1.770 in	0.400 in	1.540 in	0.510 in	12.510 in	0.99 lb
85021	082171850219	Carded	21 mm	1.770 in	0.400 in	1.540 in	0.510 in	12.510 in	1.08 lb
85022	082171850226	Carded	22 mm	1.870 in	0.420 in	1.540 in	0.510 in	13.000 in	1.14 lb
85024D	082171850240	Carded	24 mm	2.010 in	0.440 in	1.750 in	0.570 in	14.000 in	1.24 lb

16 Pc. 12 Point Metric Combination Ratcheting Wrench Set



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9416	082171094163	Carded	6.67 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9108D	8 mm	9112	12 mm	9116D	16 mm	9120	20 mm
9109	9 mm	9113D	13 mm	9117D	17 mm	9121	21 mm
9110D	10 mm	9114D	14 mm	9118D	18 mm	9122	22 mm
9111	11 mm	9115D	15 mm	9119	19 mm	9124	24 mm

13 Pc. 12 Point SAE Combination Ratcheting Wrench Set



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9312	082171093128	Carded	5.96 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9008	1/4 in	9016D	1/2 in	9024	3/4 in	9032	1 in
9010D	5/16 in	9018D	9/16 in	9026D	13/16 in		
9012D	3/8 in	9020	5/8 in	9028D	7/8 in		
9014	7/16 in	9022	11/16 in	9030	15/16 in		

12 Pc. 12 Point Metric Combination Ratcheting Wrench Set



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9412	082171094125	Blow Mold Tray	3.56 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9108D	8 mm	9111	11 mm	9114D	14 mm	9117D	17 mm
9109	9 mm	9112	12 mm	9115D	15 mm	9118D	18 mm
9110D	10 mm	9113D	13 mm	9116D	16 mm	9119	19 mm

10 Pc. 12 Point SAE/Metric Combination Ratcheting Wrench Set



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9418	082171094187	Carded	2.04 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9108D	8 mm	9113D	13 mm	9012D	3/8 in	9018D	9/16 in
9110D	10 mm	9114D	14 mm	9014	7/16 in		
9112	12 mm	9010D	5/16 in	9016D	1/2 in		

8 Pc. 12 Point SAE Combination Ratcheting Wrench Set



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9308D	082171093081	Blow Mold Tray	2.70 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9010D	5/16 in	9014	7/16 in	9018D	9/16 in	9022	11/16 in
9012D	3/8 in	9016D	1/2 in	9020	5/8 in	9024	3/4 in

7 Pc. 12 Point SAE Combination Ratcheting Wrench Set



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9317	082171093173	Carded	2.02 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9010D	5/16 in	9014	7/16 in	9018D	9/16 in	9024	3/4 in
9012D	3/8 in	9016D	1/2 in	9020	5/8 in		

7 Pc. 12 Point Metric Combination Ratcheting Wrench Set



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9417	082171094170	Carded	2.15 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9108D	8 mm	9112	12 mm	9114D	14 mm	9118D	18 mm
9110D	10 mm	9113D	13 mm	9115D	15 mm		

5 Pc. 12 Point SAE Combination Ratcheting Wrench Set



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
93005	099575930058	Carded	4.16 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9012D	3/8 in	9016D	1/2 in	9020	5/8 in
9014	7/16 in	9018D	9/16 in		

4 Pc. 12 Point Metric Large Combination Ratcheting Wrench Set



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9413	082171094132	Blow Mold Tray	4.67 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9121	21 mm	9122	22 mm	9124	24 mm	9125D	25 mm

4 Pc. 12 Point SAE Large Combination Ratcheting Wrench Set



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9309D	082171093098	Blow Mold Tray	4.79 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9026D	13/16 in	9028D	7/8 in	9030	15/16 in	9032	1 in

5 Pc. 12 Point Metric Combination Ratcheting Wrench Set



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
93004D	099575930041	Carded	4.40 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9110D	10 mm	9113D	13 mm	9115D	15 mm
9112	12 mm	9114D	14 mm		

4 Pc. 12 Point SAE Combination Ratcheting Wrench Set



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9304	082171093043	Carded	0.88 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9012D	3/8 in	9014	7/16 in	9016D	1/2 in	9018D	9/16 in

4 Pc. 12 Point Metric Combination Ratcheting Wrench Set



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9404	082171094040	Carded	0.45 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9110D	10 mm	9112	12 mm	9113D	13 mm	9114D	14 mm

12 Point SAE Combination Ratcheting Wrenches



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
9008	082171090080	Carded	1/4 in	0.567 in	0.181 in	0.610 in	0.256 in	4.921 in	0.10 lb
9010D	082171090103	Carded	5/16 in	0.768 in	0.197 in	0.665 in	0.272 in	5.508 in	0.12 lb
9011D	082171090110	Carded	11/32 in	0.768 in	0.213 in	0.701 in	0.272 in	5.882 in	0.12 lb
9012D	082171090127	Carded	3/8 in	0.862 in	0.224 in	0.780 in	0.303 in	6.256 in	0.14 lb
9014	082171090141	Carded	7/16 in	0.953 in	0.252 in	0.854 in	0.323 in	6.508 in	0.17 lb
9016D	082171090165	Carded	1/2 in	1.146 in	0.319 in	0.984 in	0.339 in	7.008 in	0.22 lb
9018D	082171090189	Carded	9/16 in	1.228 in	0.327 in	1.035 in	0.370 in	7.504 in	0.23 lb
9020	082171090202	Carded	5/8 in	1.358 in	0.346 in	1.201 in	0.406 in	8.201 in	0.33 lb
9022	082171090226	Carded	11/16 in	1.492 in	0.362 in	1.272 in	0.421 in	8.878 in	0.38 lb
9024	082171090240	Carded	3/4 in	1.626 in	0.374 in	1.339 in	0.441 in	9.764 in	0.47 lb
9026D	082171090264	Carded	13/16 in	1.811 in	0.390 in	1.535 in	0.512 in	11.476 in	0.86 lb
9028D	082171090288	Carded	7/8 in	1.811 in	0.390 in	1.535 in	0.512 in	11.476 in	0.80 lb
9030	082171090301	Carded	15/16 in	2.055 in	0.429 in	1.791 in	0.571 in	13.114 in	1.17 lb
9032	082171090325	Carded	1 in	2.055 in	0.429 in	1.791 in	0.571 in	13.114 in	1.15 lb
9034	082171090349	Carded	1-1/16 in	2.220 in	0.571 in	1.929 in	0.610 in	14.142 in	1.32 lb
9036	082171090363	Carded	1-1/8 in	2.469 in	0.492 in	2.154 in	0.669 in	15.846 in	1.97 lb
9038D	082171090387	Carded	1-1/4 in	2.634 in	0.508 in	2.283 in	0.689 in	16.764 in	2.18 lb
9060D	082171090608	Carded	1-5/16 in	2.744 in	0.539 in	2.362 in	0.689 in	18.110 in	2.64 lb
9062D	082171090622	Carded	1-3/8 in	2.744 in	0.539 in	2.362 in	0.689 in	18.110 in	2.64 lb
9040	082171090400	Carded	1-7/16 in	3.114 in	0.646 in	2.520 in	0.807 in	19.685 in	3.86 lb
9042	082171090424	Carded	1-1/2 in	3.114 in	0.646 in	2.520 in	0.807 in	19.685 in	3.82 lb
9044	082171090448	Carded	1-9/16 in	3.409 in	0.709 in	2.677 in	0.866 in	22.638 in	5.18 lb
9046D	082171090462	Carded	1-5/8 in	3.409 in	0.709 in	2.677 in	0.866 in	22.638 in	5.14 lb

12 Point SAE Combination Ratcheting Wrenches Continued

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
9048	082171090486	Carded	1-11/16 in	3.626 in	0.791 in	2.835 in	0.925 in	24.213 in	5.69 lb
9050D	082171090509	Boxed	1-3/4 in	3.626 in	0.791 in	2.835 in	0.925 in	24.213 in	5.64 lb
9052D	082171090523	Boxed	1-13/16 in	3.850 in	0.835 in	2.992 in	0.984 in	25.394 in	7.65 lb
9054D	082171090547	Boxed	1-7/8 in	3.850 in	0.835 in	2.992 in	0.984 in	25.394 in	7.59 lb
9056D	082171090561	Boxed	2 in	4.134 in	0.835 in	3.150 in	1.043 in	25.787 in	8.34 lb

12 Point Metric Combination Ratcheting Wrenches



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
9106	082171091063	Carded	6 mm	0.567 in	0.181 in	0.610 in	0.256 in	4.921 in	0.09 lb
9107	082171091070	Carded	7 mm	0.642 in	0.189 in	0.622 in	0.256 in	5.236 in	0.07 lb
9108D	082171091087	Carded	8 mm	0.768 in	0.197 in	0.665 in	0.272 in	5.508 in	0.10 lb
9109	082171091094	Carded	9 mm	0.768 in	0.213 in	0.701 in	0.272 in	5.882 in	0.11 lb
9110D	082171091100	Carded	10 mm	0.862 in	0.224 in	0.780 in	0.303 in	6.256 in	0.15 lb
9111	082171091117	Carded	11 mm	0.953 in	0.252 in	0.854 in	0.323 in	6.508 in	0.15 lb
9112	082171091124	Carded	12 mm	1.047 in	0.291 in	0.906 in	0.339 in	6.756 in	0.20 lb
9113D	082171091131	Carded	13 mm	1.146 in	0.319 in	0.984 in	0.339 in	7.008 in	0.23 lb
9114D	082171091148	Carded	14 mm	1.228 in	0.327 in	1.035 in	0.370 in	7.504 in	0.27 lb
9115D	082171091155	Carded	15 mm	1.327 in	0.327 in	1.130 in	0.390 in	7.854 in	0.25 lb
9116D	082171091162	Carded	16 mm	1.358 in	0.346 in	1.201 in	0.406 in	8.201 in	0.33 lb
9117D	082171091179	Carded	17 mm	1.492 in	0.362 in	1.272 in	0.421 in	8.878 in	0.38 lb
9118D	082171091186	Carded	18 mm	1.583 in	0.370 in	1.307 in	0.441 in	9.311 in	0.46 lb
9119	082171091193	Carded	19 mm	1.626 in	0.374 in	1.339 in	0.441 in	9.764 in	0.47 lb
9120	082171091209	Carded	20 mm	1.811 in	0.390 in	1.535 in	0.512 in	11.476 in	0.78 lb
9121	082171091216	Carded	21 mm	1.811 in	0.390 in	1.535 in	0.512 in	11.476 in	0.81 lb
9122	082171091223	Carded	22 mm	1.811 in	0.390 in	1.535 in	0.512 in	11.476 in	0.80 lb
9124	082171091247	Carded	24 mm	2.055 in	0.429 in	1.791 in	0.571 in	13.114 in	1.15 lb
9125D	082171091254	Carded	25 mm	2.055 in	0.429 in	1.791 in	0.571 in	13.114 in	1.16 lb
9127D	082171091278	Carded	27 mm	2.220 in	0.571 in	1.929 in	0.610 in	14.142 in	1.32 lb
9130D	082171091308	Carded	30 mm	2.469 in	0.492 in	2.154 in	0.669 in	15.846 in	1.75 lb
9132	082171091322	Carded	32 mm	2.634 in	0.508 in	2.283 in	0.689 in	16.764 in	2.21 lb
9134D	082171091346	Carded	34 mm	2.744 in	0.539 in	2.362 in	0.689 in	18.110 in	2.61 lb
9136	082171091360	Boxed	36 mm	3.114 in	0.646 in	2.520 in	0.807 in	19.685 in	4.45 lb
9141D	082171091414	Boxed	41 mm	3.409 in	0.709 in	2.677 in	0.866 in	22.638 in	5.73 lb
9146D	082171091469	Boxed	46 mm	3.850 in	0.835 in	2.992 in	0.984 in	25.394 in	7.92 lb
9150	082171091506	Boxed	50 mm	4.134 in	0.835 in	3.150 in	1.043 in	25.787 in	8.78 lb

10 Pc. 12 Point Metric Stubby Combination Ratcheting Wrench Set



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding
- Stubby Length for Tight Access Areas

Cat. No.	UPC No.	Packaging	Product Weight
9520D	082171095207	Blow Mold Tray	2.30 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9510DD	10 mm	9512D	12 mm	9514D	14 mm	9516D	16 mm	9518D	18 mm
9511D	11 mm	9513D	13 mm	9515D	15 mm	9517D	17 mm	9519D	19 mm

7 Pc. 12 Point SAE Stubby Combination Ratcheting Wrench Set



- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- The Original Patented Ratcheting Wrench
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding
- Stubby Length for Tight Access Areas

Cat. No.	UPC No.	Packaging	Product Weight
9507D	082171095078	Blow Mold Tray	1.82 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9500DD	3/8 in	9502D	1/2 in	9504D	5/8 in	9506D	3/4 in
9501DD	7/16 in	9503D	9/16 in	9505D	11/16 in		

12 Point SAE Stubby Combination Ratcheting Wrenches



- Stubby Length for Tight Access Areas
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
9500DD	082171095009	Carded	3/8 in	0.862 in	0.224 in	0.780 in	0.303 in	3.701 in	0.08 lb
9501DD	082171095016	Carded	7/16 in	0.953 in	0.252 in	0.854 in	0.323 in	4.016 in	0.15 lb
9502D	082171095023	Carded	1/2 in	1.146 in	0.319 in	0.984 in	0.339 in	4.213 in	0.18 lb
9503D	082171095030	Carded	9/16 in	1.228 in	0.327 in	1.035 in	0.370 in	4.488 in	0.20 lb
9504D	082171095047	Carded	5/8 in	1.358 in	0.346 in	1.201 in	0.406 in	4.803 in	0.22 lb
9505D	082171095054	Carded	11/16 in	1.492 in	0.362 in	1.272 in	0.421 in	4.961 in	0.24 lb
9506D	082171095061	Carded	3/4 in	1.626 in	0.374 in	1.339 in	0.441 in	5.433 in	0.31 lb

12 Point Metric Stubby Combination Ratcheting Wrenches



- Stubby Length for Tight Access Areas
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
9510DD	082171095108	Carded	10 mm	0.862 in	0.224 in	0.780 in	0.303 in	3.701 in	0.08 lb
9511D	082171095115	Carded	11 mm	0.953 in	0.252 in	0.854 in	0.323 in	4.016 in	0.10 lb
9512D	082171095122	Carded	12 mm	1.047 in	0.291 in	0.906 in	0.339 in	4.134 in	0.12 lb
9513D	082171095139	Carded	13 mm	1.146 in	0.319 in	0.984 in	0.339 in	4.213 in	0.13 lb
9514D	082171095146	Carded	14 mm	1.228 in	0.327 in	1.035 in	0.370 in	4.488 in	0.16 lb
9515D	082171095153	Carded	15 mm	1.327 in	0.327 in	1.130 in	0.390 in	4.646 in	0.2 lb
9516D	082171095160	Carded	16 mm	1.358 in	0.346 in	1.201 in	0.406 in	4.803 in	0.21 lb
9517D	082171095177	Carded	17 mm	1.492 in	0.362 in	1.272 in	0.421 in	4.961 in	0.25 lb
9518D	082171095184	Carded	18 mm	1.583 in	0.370 in	1.307 in	0.441 in	5.118 in	0.29 lb
9519D	082171095191	Carded	19 mm	1.626 in	0.374 in	1.339 in	0.441 in	5.433 in	0.32 lb

16 Pc. 12 Point Metric Reversible Combination Ratcheting Wrench Set



- 15° Offset Offers Increased Clearance
- Flush Mounted Reversing Lever Improves Access
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9602N	082171096020	Carded	7.54 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9608N	8 mm	9612N	12 mm	9616N	16 mm	9621N	21 mm
9609N	9 mm	9613N	13 mm	9617N	17 mm	9622N	22 mm
9610N	10 mm	9614N	14 mm	9618N	18 mm	9624N	24 mm
9611N	11 mm	9615N	15 mm	9619N	19 mm	9625N	25 mm

16 Pc. 12 Point Metric Reversible Combination Ratcheting Wrench Set with Wrench Roll



- 15° Offset Offers Increased Clearance
- Flush Mounted Reversing Lever Improves Access
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9602RN	082171960215	Pouch	7.85 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9608N	8 mm	9612N	12 mm	9616N	16 mm	9621N	21 mm
9609N	9 mm	9613N	13 mm	9617N	17 mm	9622N	22 mm
9610N	10 mm	9614N	14 mm	9618N	18 mm	9624N	24 mm
9611N	11 mm	9615N	15 mm	9619N	19 mm	9625N	25 mm

13 Pc. 12 Point SAE Reversible Combination Ratcheting Wrench Set



- 15° Offset Offers Increased Clearance
- Flush Mounted Reversing Lever Improves Access
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9509N	082171095092	Carded	6.65 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9525ND	5/16 in	9528N	1/2 in	9532N	3/4 in	9540N	1 in
9521ND	11/32 in	9529N	9/16 in	9534N	13/16 in		
9526ND	3/8 in	9530ND	5/8 in	9538N	7/8 in		
9527N	7/16 in	9531ND	11/16 in	9539N	15/16 in		

13 Pc. 12 Point SAE Reversible Combination Ratcheting Wrench Set with Wrench Roll



- 15° Offset Offers Increased Clearance
- Flush Mounted Reversing Lever Improves Access
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9509RN	082171950919	Pouch	6.89 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9525ND	5/16 in	9528N	1/2 in	9532N	3/4 in	9540N	1 in
9521ND	11/32 in	9529N	9/16 in	9534N	13/16 in		
9526ND	3/8 in	9530ND	5/8 in	9538N	7/8 in		
9527N	7/16 in	9531ND	11/16 in	9539N	15/16 in		

12 Pc. 12 Point Metric Reversible Combination Ratcheting Wrench Set



- 15° Offset Offers Increased Clearance
- Flush Mounted Reversing Lever Improves Access
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9620N	082171096204	Carded	3.75 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9608N	8 mm	9611N	11 mm	9614N	14 mm	9617N	17 mm
9609N	9 mm	9612N	12 mm	9615N	15 mm	9618N	18 mm
9610N	10 mm	9613N	13 mm	9616N	16 mm	9619N	19 mm

10 Pc. 12 Point Metric Reversible Combination Ratcheting Wrench Set with Wrench Roll



- 15° Offset Offers Increased Clearance
- Flush Mounted Reversing Lever Improves Access
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9601RN	082171960116	Pouch	3.60 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9610N	10 mm	9613N	13 mm	9616N	16 mm	9619N	19 mm
9611N	11 mm	9614N	14 mm	9617N	17 mm		
9612N	12 mm	9615N	15 mm	9618N	18 mm		

8 Pc. 12 Point SAE Reversible Combination Ratcheting Wrench Set



- 15° Offset Offers Increased Clearance
- Flush Mounted Reversing Lever Improves Access
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9533N	082171095337	Carded	2.71 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9525ND	5/16 in	9527N	7/16 in	9529N	9/16 in	9531ND	11/16 in
9526ND	3/8 in	9528N	1/2 in	9530ND	5/8 in	9532N	3/4 in

7 Pc. 12 Point SAE Reversible Combination Ratcheting Wrench Set with Wrench Roll



- 15° Offset Offers Increased Clearance
- Flush Mounted Reversing Lever Improves Access
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9567RN	082171956706	Pouch	2.30 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9526ND	3/8 in	9528N	1/2 in	9530ND	5/8 in	9532N	3/4 in
9527N	7/16 in	9529N	9/16 in	9531ND	11/16 in		

8 Pc. 12 Point Metric Reversible Combination Ratcheting Wrench Set



- 15° Offset Offers Increased Clearance
- Flush Mounted Reversing Lever Improves Access
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9543	099575095436	Carded	2.71 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9608N	8 mm	9612N	12 mm	9614N	14 mm	9617N	17 mm
9610N	10 mm	9613N	13 mm	9615N	15 mm	9619N	19 mm

4 Pc. 12 Point SAE Reversible Combination Ratcheting Wrench Set



- 15° Offset Offers Increased Clearance
- Flush Mounted Reversing Lever Improves Access
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9545N	082171954504	Carded	4.26 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9534N	13/16 in	9538N	7/8 in	9539N	15/16 in	9540N	1 in

4 Pc. 12 Point Metric Reversible Combination Ratcheting Wrench Set



- 15° Offset Offers Increased Clearance
- Flush Mounted Reversing Lever Improves Access
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9601N	082171960109	Carded	4.27 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9621N	21 mm	9622N	22 mm	9624N	24 mm	9625N	25 mm

12 Point SAE Reversible Combination Ratcheting Wrenches



- 15° Offset Offers Increased Clearance
- Flush Mounted Reversing Lever Improves Access
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
9525ND	082171095252	Carded	5/16 in	0.768 in	0.197 in	0.665 in	0.272 in	5.433 in	0.11 lb
9521ND	082171095214	Carded	11/32 in	0.768 in	0.213 in	0.701 in	0.272 in	5.795 in	0.12 lb
9526ND	082171095269	Carded	3/8 in	0.862 in	0.224 in	0.780 in	0.303 in	6.169 in	0.14 lb
9527N	082171095276	Carded	7/16 in	0.953 in	0.252 in	0.854 in	0.323 in	6.413 in	0.16 lb
9528N	082171095283	Carded	1/2 in	1.146 in	0.319 in	0.984 in	0.339 in	6.902 in	0.22 lb
9529N	082171095290	Carded	9/16 in	1.228 in	0.327 in	1.035 in	0.370 in	7.398 in	0.27 lb
9530ND	082171095306	Carded	5/8 in	1.358 in	0.346 in	1.201 in	0.406 in	8.087 in	0.34 lb
9531ND	082171095313	Carded	11/16 in	1.492 in	0.362 in	1.272 in	0.421 in	8.740 in	0.40 lb
9532N	082171095320	Carded	3/4 in	1.626 in	0.374 in	1.339 in	0.441 in	9.594 in	0.53 lb
9534N	082171095344	Carded	13/16 in	1.811 in	0.390 in	1.535 in	0.512 in	11.476 in	0.91 lb
9538N	082171095382	Carded	7/8 in	1.811 in	0.390 in	1.535 in	0.512 in	11.476 in	1.17 lb
9539N	082171095399	Carded	15/16 in	2.055 in	0.429 in	1.791 in	0.571 in	14.000 in	1.27 lb
9540N	082171095405	Carded	1 in	2.055 in	0.429 in	1.791 in	0.571 in	14.000 in	1.32 lb

12 Point Metric Reversible Combination Ratcheting Wrenches



- 15° Offset Offers Increased Clearance
- Flush Mounted Reversing Lever Improves Access
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
9608N	082171096082	Carded	8 mm	0.768 in	0.197 in	0.665 in	0.272 in	5.433 in	0.10 lb
9609N	082171096099	Carded	9 mm	0.768 in	0.213 in	0.701 in	0.272 in	5.795 in	0.11 lb
9610N	082171096105	Carded	10 mm	0.862 in	0.224 in	0.780 in	0.303 in	6.169 in	0.14 lb
9611N	082171096112	Carded	11 mm	0.953 in	0.252 in	0.854 in	0.323 in	6.413 in	0.15 lb
9612N	082171096129	Carded	12 mm	1.047 in	0.291 in	0.906 in	0.339 in	6.657 in	0.37 lb
9613N	082171096136	Carded	13 mm	1.146 in	0.319 in	0.984 in	0.339 in	6.902 in	0.23 lb
9614N	082171096143	Carded	14 mm	1.228 in	0.327 in	1.035 in	0.370 in	7.398 in	0.26 lb
9615N	082171096150	Carded	15 mm	1.327 in	0.327 in	1.130 in	0.390 in	7.748 in	0.30 lb
9616N	082171096167	Carded	16 mm	1.358 in	0.346 in	1.201 in	0.406 in	8.087 in	0.40 lb
9617N	082171096174	Carded	17 mm	1.492 in	0.362 in	1.272 in	0.421 in	8.740 in	0.42 lb
9618N	082171096181	Carded	18 mm	1.583 in	0.370 in	1.307 in	0.441 in	9.169 in	0.45 lb
9619N	082171096198	Carded	19 mm	1.626 in	0.374 in	1.339 in	0.441 in	9.594 in	0.54 lb
9621N	082171096211	Carded	21 mm	1.811 in	0.390 in	1.535 in	0.512 in	11.476 in	0.88 lb
9622N	082171096228	Carded	22 mm	1.811 in	0.390 in	1.535 in	0.512 in	11.476 in	1.01 lb
9624N	082171096242	Carded	24 mm	2.055 in	0.429 in	1.791 in	0.571 in	14.000 in	1.15 lb
9625N	082171096259	Carded	25 mm	2.055 in	0.429 in	1.791 in	0.571 in	14.000 in	1.27 lb

12 Pc. 12 Point Metric XL Locking Flex Ratcheting Wrench Set



- Locking Flexible Head
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85698	082171856983	Carded	4.35 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85608	8 mm	85611	11 mm	85614	14 mm	85617	17 mm
85609	9 mm	85612	12 mm	85615	15 mm	85618	18 mm
85610	10 mm	85613	13 mm	85616	16 mm	85619	19 mm

12 Pc. 12 Point Metric XL Locking Flex Ratcheting Wrench Set with Wrench Roll



- Locking Flexible Head
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85698R	082171856907	Pouch	4.40 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85608	8 mm	85611	11 mm	85614	14 mm	85617	17 mm
85609	9 mm	85612	12 mm	85615	15 mm	85618	18 mm
85610	10 mm	85613	13 mm	85616	16 mm	85619	19 mm

8 Pc. 12 Point SAE XL Locking Flex Ratcheting Wrench Set



- Locking Flexible Head
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85798	082171857980	Carded	2.69 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85710	5/16 in	85714D	7/16 in	85718	9/16 in	85722	11/16 in
85712	3/8 in	85716	1/2 in	85720	5/8 in	85724D	3/4 in

8 Pc. 12 Point SAE XL Locking Flex Ratcheting Wrench Set with Wrench Roll



- Locking Flexible Head
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85798R	082171857997	Pouch	2.80 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85710	5/16 in	85714D	7/16 in	85718	9/16 in	85722	11/16 in
85712	3/8 in	85716	1/2 in	85720	5/8 in	85724D	3/4 in

12 Point SAE XL Locking Flex Ratcheting Wrenches



- Locking Flexible Head
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85710	082171857102	Carded	5/16 in	0.770 in	0.980 in	0.670 in	0.270 in	5.750 in	0.13 lb
85712	082171857126	Carded	3/8 in	0.860 in	1.040 in	0.780 in	0.300 in	6.730 in	0.17 lb
85714D	082171857140	Carded	7/16 in	0.950 in	0.250 in	0.850 in	0.320 in	7.200 in	0.26 lb
85716	082171857164	Carded	1/2 in	1.150 in	0.320 in	0.980 in	0.340 in	8.150 in	0.29 lb
85718	082171857188	Carded	9/16 in	1.230 in	0.670 in	1.040 in	0.370 in	8.620 in	0.36 lb
85720	082171857201	Carded	5/8 in	1.360 in	0.700 in	1.200 in	0.410 in	9.530 in	0.44 lb
85722	082171857225	Carded	11/16 in	1.490 in	0.780 in	1.270 in	0.420 in	10.000 in	0.56 lb
85724D	082171857249	Carded	3/4 in	1.630 in	0.850 in	1.340 in	0.440 in	11.020 in	0.56 lb

12 Point Metric XL Locking Flex Ratcheting Wrenches



- Locking Flexible Head
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85608	082171856082	Carded	8 mm	0.770 in	0.200 in	0.670 in	0.270 in	5.750 in	0.12 lb
85609	082171856099	Carded	9 mm	0.770 in	0.210 in	0.700 in	0.270 in	6.260 in	0.14 lb
85610	082171856105	Carded	10 mm	0.860 in	0.220 in	0.780 in	0.300 in	6.730 in	0.18 lb
85611	082171856112	Carded	11 mm	0.950 in	0.250 in	0.850 in	0.320 in	7.200 in	0.21 lb
85612	082171856129	Carded	12 mm	1.050 in	0.290 in	0.910 in	0.340 in	7.680 in	0.26 lb
85613	082171856136	Carded	13 mm	1.150 in	0.320 in	0.980 in	0.340 in	8.150 in	0.29 lb
85614	082171856143	Carded	14 mm	1.230 in	0.330 in	1.040 in	0.370 in	8.620 in	0.36 lb
85615	082171856150	Carded	15 mm	1.330 in	0.330 in	1.130 in	0.390 in	9.090 in	0.41 lb
85616	082171856167	Carded	16 mm	1.360 in	0.350 in	1.200 in	0.410 in	9.530 in	0.49 lb
85617	082171856174	Carded	17 mm	1.490 in	0.360 in	1.270 in	0.420 in	10.000 in	0.56 lb
85618	082171856181	Carded	18 mm	1.580 in	0.370 in	1.310 in	0.440 in	10.510 in	0.62 lb
85619	082171856198	Carded	19 mm	1.630 in	0.370 in	1.340 in	0.440 in	11.020 in	0.72 lb

16 Pc. 12 Point Metric Flex Combination Ratcheting Wrench Set



- Flexible Head
- Knurled Side Beam for Ratcheting Direction Indicator
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9902D	082171099021	Carded	9.00 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9908D	8 mm	9912D	12 mm	9916D	16 mm	9921D	21 mm
9909D	9 mm	9913D	13 mm	9917	17 mm	9922D	22 mm
9910D	10 mm	9914D	14 mm	9918	18 mm	9924D	24 mm
9911D	11 mm	9915D	15 mm	9919D	19 mm	9925D	25 mm

13 Pc. 12 Point SAE Flex Combination Ratcheting Wrench Set



- Flexible Head
- Knurled Side Beam for Ratcheting Direction Indicator
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9702D	082171097027	Carded	7.20 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9705	5/16 in	9708	1/2 in	9712	3/4 in	9716D	1 in
9704D	11/32 in	9709	9/16 in	9713	13/16 in		
9706	3/8 in	9710	5/8 in	9714D	7/8 in		
9707	7/16 in	9711	11/16 in	9715D	15/16 in		

12 Pc. 12 Point Metric Flex Combination Ratcheting Wrench Set



- Flexible Head
- Knurled Side Beam for Ratcheting Direction Indicator
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9901D	082171099014	Carded	6.80 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9908D	8 mm	9911D	11 mm	9914D	14 mm	9917	17 mm
9909D	9 mm	9912D	12 mm	9915D	15 mm	9918	18 mm
9910D	10 mm	9913D	13 mm	9916D	16 mm	9919D	19 mm

8 Pc. 12 Point SAE Flex Combination Ratcheting Wrench Set



- Flexible Head
- Knurled Side Beam for Ratcheting Direction Indicator
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive[®] on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9701	082171097010	Carded	2.46 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9705	5/16 in	9707	7/16 in	9709	9/16 in	9711	11/16 in
9706	3/8 in	9708	1/2 in	9710	5/8 in	9712	3/4 in

7 Pc. 12 Point SAE Flex Combination Ratcheting Wrench Set



- Flexible Head
- Knurled Side Beam for Ratcheting Direction Indicator
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive[®] on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9700	082171097003	Carded	2.86 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9706	3/8 in	9708	1/2 in	9710	5/8 in	9712	3/4 in
9707	7/16 in	9709	9/16 in	9711	11/16 in		

7 Pc. 12 Point Metric Flex Combination Ratcheting Wrench Set



- Flexible Head
- Knurled Side Beam for Ratcheting Direction Indicator
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive[®] on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9900D	082171099007	Carded	2.86 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9910D	10 mm	9913D	13 mm	9915D	15 mm	9919D	19 mm
9912D	12 mm	9914D	14 mm	9917	17 mm		

4 Pc. 12 Point SAE Flex Combination Ratcheting Wrench Set



- Flexible Head
- Knurled Side Beam for Ratcheting Direction Indicator
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9703	082171970306	Carded	4.85 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9713	13/16 in	9714D	7/8 in	9715D	15/16 in	9716D	1 in

4 Pc. 12 Point Metric Flex Combination Ratcheting Wrench Set



- Flexible Head
- Knurled Side Beam for Ratcheting Direction Indicator
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9903D	082171099038	Carded	4.85 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9921D	21 mm	9922D	22 mm	9924D	24 mm	9925D	25 mm

12 Point SAE Flex Combination Ratcheting Wrenches



- Flexible Head
- Knurled Side Beam for Ratcheting Direction Indicator
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
9705	082171097058	Carded	5/16 in	0.768 in	0.197 in	0.665 in	0.272 in	5.508 in	0.12 lb
9704D	082171097041	Carded	11/32 in	0.768 in	0.213 in	0.701 in	0.272 in	5.882 in	0.14 lb
9706	082171097065	Carded	3/8 in	0.862 in	0.224 in	0.780 in	0.303 in	6.252 in	0.16 lb
9707	082171097072	Carded	7/16 in	0.953 in	0.252 in	0.854 in	0.323 in	6.504 in	0.18 lb
9708	082171097089	Carded	1/2 in	1.146 in	0.319 in	0.984 in	0.339 in	7.004 in	0.23 lb
9709	082171097096	Carded	9/16 in	1.228 in	0.327 in	1.035 in	0.370 in	7.504 in	0.26 lb
9710	082171097102	Carded	5/8 in	1.358 in	0.346 in	1.201 in	0.406 in	8.197 in	0.37 lb
9711	082171097119	Carded	11/16 in	1.492 in	0.362 in	1.272 in	0.421 in	8.878 in	0.55 lb

12 Point SAE Flex Combination Ratcheting Wrenches Continued

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
9712	082171097126	Carded	3/4 in	1.626 in	0.374 in	1.339 in	0.441 in	9.764 in	0.86 lb
9713	082171097133	Carded	13/16 in	1.811 in	0.390 in	1.535 in	0.512 in	11.476 in	1.00 lb
9714D	082171097140	Carded	7/8 in	1.811 in	0.390 in	1.535 in	0.512 in	11.476 in	1.14 lb
9715D	082171097157	Carded	15/16 in	2.055 in	0.429 in	1.791 in	0.571 in	13.114 in	1.29 lb
9716D	082171097164	Carded	1 in	2.055 in	0.429 in	1.791 in	0.571 in	13.114 in	1.32 lb

12 Point Metric Flex Combination Ratcheting Wrenches



- Flexible Head
- Knurled Side Beam for Ratcheting Direction Indicator
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
9908D	082171099083	Carded	8 mm	0.768 in	0.197 in	0.665 in	0.272 in	5.508 in	0.12 lb
9909D	082171099090	Carded	9 mm	0.768 in	0.213 in	0.701 in	0.272 in	5.882 in	0.13 lb
9910D	082171099106	Carded	10 mm	0.862 in	0.224 in	0.780 in	0.303 in	6.252 in	0.14 lb
9911D	082171099113	Carded	11 mm	0.953 in	0.252 in	0.854 in	0.323 in	6.504 in	0.16 lb
9912D	082171099120	Carded	12 mm	1.047 in	0.291 in	0.906 in	0.339 in	6.756 in	0.19 lb
9913D	082171099137	Carded	13 mm	1.146 in	0.319 in	0.984 in	0.339 in	7.004 in	0.22 lb
9914D	082171099144	Carded	14 mm	1.228 in	0.327 in	1.035 in	0.370 in	7.504 in	0.27 lb
9915D	082171099151	Carded	15 mm	1.327 in	0.327 in	1.130 in	0.390 in	7.854 in	0.31 lb
9916D	082171099168	Carded	16 mm	1.358 in	0.346 in	1.201 in	0.406 in	8.197 in	0.36 lb
9917	082171099175	Carded	17 mm	1.492 in	0.362 in	1.272 in	0.421 in	8.878 in	0.43 lb
9918	082171099182	Carded	18 mm	1.583 in	0.370 in	1.307 in	0.441 in	9.315 in	0.51 lb
9919D	082171099199	Carded	19 mm	1.626 in	0.374 in	1.339 in	0.441 in	9.764 in	0.57 lb
9921D	082171099212	Carded	21 mm	1.811 in	0.390 in	1.535 in	0.512 in	11.476 in	0.99 lb
9922D	082171099229	Carded	22 mm	1.811 in	0.390 in	1.535 in	0.512 in	11.476 in	0.98 lb
9924D	082171099243	Carded	24 mm	2.055 in	0.429 in	1.791 in	0.571 in	13.114 in	1.38 lb
9925D	082171099250	Carded	25 mm	2.055 in	0.429 in	1.791 in	0.571 in	14.000 in	1.36 lb

10 Pc. 12 Point Metric Stubby Flex Combination Ratcheting Wrench Set



- Stubby Length for Tight Access Areas
- Flexible Head
- Knurled Side Beam for Ratcheting Direction Indicator
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9550	082171095504	Carded	2.91 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9551	10 mm	9554	13 mm	9557D	16 mm	9560	19 mm
9552	11 mm	9555	14 mm	9558	17 mm		
9553D	12 mm	9556	15 mm	9559	18 mm		

7 Pc. 12 Point SAE Stubby Flex Combination Ratcheting Wrench Set



- Stubby Length for Tight Access Areas
- Flexible Head
- Knurled Side Beam for Ratcheting Direction Indicator
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9570	082171095702	Carded	2.20 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
9571	3/8 in	9573	1/2 in	9575	5/8 in	9577	3/4 in
9572	7/16 in	9574	9/16 in	9576	11/16 in		

12 Point SAE Stubby Flex Combination Ratcheting Wrenches



- Stubby Length for Tight Access Areas
- Flexible Head
- Knurled Side Beam for Ratcheting Direction Indicator
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
9571	082171095719	Carded	3/8 in	0.862 in	0.224 in	0.780 in	0.303 in	3.701 in	0.10 lb
9572	082171095726	Carded	7/16 in	0.953 in	0.252 in	0.854 in	0.323 in	4.016 in	0.20 lb
9573	082171095733	Carded	1/2 in	1.146 in	0.319 in	0.984 in	0.339 in	4.213 in	0.20 lb
9574	082171095740	Carded	9/16 in	1.228 in	0.327 in	1.035 in	0.370 in	4.488 in	0.20 lb
9575	082171095757	Carded	5/8 in	1.358 in	0.346 in	1.201 in	0.406 in	4.803 in	0.30 lb
9576	082171095764	Carded	11/16 in	1.492 in	0.362 in	1.272 in	0.421 in	4.961 in	0.40 lb
9577	082171095771	Carded	3/4 in	1.626 in	0.374 in	1.339 in	0.441 in	5.433 in	0.40 lb

12 Point Metric Stubby Flex Combination Ratcheting Wrenches



- Stubby Length for Tight Access Areas
- Flexible Head
- Knurled Side Beam for Ratcheting Direction Indicator
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
9551	082171095511	Carded	10 mm	0.862 in	0.224 in	0.780 in	0.303 in	3.701 in	0.11 lb
9552	082171095528	Carded	11 mm	0.953 in	0.252 in	0.854 in	0.323 in	4.016 in	0.12 lb
9553D	082171095535	Carded	12 mm	1.047 in	0.291 in	0.906 in	0.339 in	4.134 in	0.15 lb
9554	082171095542	Carded	13 mm	1.146 in	0.319 in	0.984 in	0.339 in	4.213 in	0.17 lb
9555	082171095559	Carded	14 mm	1.228 in	0.327 in	1.035 in	0.370 in	4.488 in	0.21 lb
9556	082171095566	Carded	15 mm	1.327 in	0.327 in	1.130 in	0.390 in	4.646 in	0.24 lb
9557D	082171095573	Carded	16 mm	1.358 in	0.346 in	1.201 in	0.406 in	4.803 in	0.27 lb
9558	082171095580	Carded	17 mm	1.492 in	0.362 in	1.272 in	0.421 in	4.961 in	0.32 lb
9559	082171095597	Carded	18 mm	1.583 in	0.370 in	1.307 in	0.441 in	5.118 in	0.37 lb
9560	082171095603	Carded	19 mm	1.626 in	0.374 in	1.339 in	0.441 in	5.433 in	0.41 lb

12 Pc. 12 Point Metric XL GearBox™ Double Box Ratcheting Wrench Set



- XL GearBox™ Design Has a Longer Beam to Increase Leverage and Torque
- Non-Ratcheting End for Breaking Loose Stubborn Fasteners
- 0° Offset and Slim Profile to Access the Tightest Spaces and Recessed Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85988	082171859885	Blow Mold Tray	6.38 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85908	8 mm	85911	11 mm	85914	14 mm	85917	17 mm
85909	9 mm	85912	12 mm	85915	15 mm	85918	18 mm
85910	10 mm	85913	13 mm	85916	16 mm	85919	19 mm

17 Pc. 12 Point Metric XL GearBox™ Double Box Ratcheting Wrench Set



- XL GearBox™ Design Has a Longer Beam to Increase Leverage and Torque
- Non-Ratcheting End for Breaking Loose Stubborn Fasteners
- 0° Offset and Slim Profile to Access the Tightest Spaces and Recessed Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85989	082171859892	Blow Mold Tray	13.10 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85908	8 mm	85913	13 mm	85918	18 mm	85924	24 mm
85909	9 mm	85914	14 mm	85919	19 mm	85925	25 mm
85910	10 mm	85915	15 mm	85920	20 mm		
85911	11 mm	85916	16 mm	85921	21 mm		
85912	12 mm	85917	17 mm	85922	22 mm		

5 Pc. 12 Point Metric XL GearBox™ Double Box Ratcheting Wrench Set



- XL GearBox™ Design Has a Longer Beam to Increase Leverage and Torque
- Non-Ratcheting End for Breaking Loose Stubborn Fasteners
- 0° Offset and Slim Profile to Access the Tightest Spaces and Recessed Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85987	082171859878	Blow Mold Tray	7.84 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85920	20 mm	85922	22 mm	85925	25 mm
85921	21 mm	85924	24 mm		

13 Pc. 12 Point SAE XL GearBox™ Double Box Ratcheting Wrench Set



- XL GearBox™ Design Has a Longer Beam to Increase Leverage and Torque
- Non-Ratcheting End for Breaking Loose Stubborn Fasteners
- 0° Offset and Slim Profile to Access the Tightest Spaces and Recessed Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85999	082171859991	Blow Mold Tray	10.56 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85950	5/16 in	85956	1/2 in	85964	3/4 in	85972	1 in
85951	11/32 in	85958	9/16 in	85966	13/16 in		
85952	3/8 in	85960	5/8 in	85968	7/8 in		
85954	7/16 in	85962	11/16 in	85970	15/16 in		

9 Pc. 12 Point SAE XL GearBox™ Double Box Ratcheting Wrench Set



- XL GearBox™ Design Has a Longer Beam to Increase Leverage and Torque
- Non-Ratcheting End for Breaking Loose Stubborn Fasteners
- 0° Offset and Slim Profile to Access the Tightest Spaces and Recessed Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85998	082171859984	Blow Mold Tray	4.75 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85950	5/16 in	85954	7/16 in	85960	5/8 in
85951	11/32 in	85956	1/2 in	85962	11/16 in
85952	3/8 in	85958	9/16 in	85964	3/4 in

4 Pc. 12 Point SAE XL GearBox™ Double Box Ratcheting Wrench Set



- XL GearBox™ Design Has a Longer Beam to Increase Leverage and Torque
- Non-Ratcheting End for Breaking Loose Stubborn Fasteners
- 0° Offset and Slim Profile to Access the Tightest Spaces and Recessed Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85996	082171859960	Blow Mold Tray	3.38 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85966	13/16 in	85968	7/8 in	85970	15/16 in	85972	1 in

12 Point SAE XL GearBox™ Double Box Ratcheting Wrenches



- XL GearBox™ Design Has a Longer Beam to Increase Leverage and Torque
- Non-Ratcheting End for Breaking Loose Stubborn Fasteners
- 0° Offset and Slim Profile to Access the Tightest Spaces and Recessed Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85950	082171859502	Carded	5/16 in	0.670 in	0.270 in	0.460 in	0.240 in	8.710 in	0.13 lb
85951	082171859519	Carded	11/32 in	0.700 in	0.270 in	0.520 in	0.260 in	8.910 in	0.13 lb
85952	082171859526	Carded	3/8 in	0.780 in	0.300 in	0.570 in	0.270 in	9.500 in	0.17 lb
85954	082171859540	Carded	7/16 in	0.850 in	0.320 in	0.620 in	0.310 in	9.890 in	0.20 lb
85956	082171859564	Carded	1/2 in	0.980 in	0.340 in	0.740 in	0.350 in	11.310 in	0.26 lb
85958	082171859588	Carded	9/16 in	1.040 in	0.370 in	0.800 in	0.390 in	12.020 in	0.38 lb
85960	082171859601	Carded	5/8 in	1.200 in	0.410 in	0.900 in	0.430 in	13.710 in	0.50 lb
85962	082171859625	Carded	11/16 in	1.270 in	0.420 in	0.940 in	0.430 in	14.700 in	0.67 lb

12 Point SAE XL GearBox™ Double Box Ratcheting Wrenches Continued

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85964	082171859649	Carded	3/4 in	1.340 in	0.440 in	1.040 in	0.470 in	15.600 in	0.77 lb
85966	082171859663	Carded	13/16 in	1.540 in	0.510 in	1.180 in	0.570 in	16.540 in	1.42 lb
85968	082171859687	Carded	7/8 in	1.540 in	0.510 in	1.220 in	0.570 in	17.010 in	2.07 lb
85970	082171859700	Carded	15/16 in	1.750 in	0.570 in	1.340 in	0.590 in	18.030 in	2.71 lb
85972	082171859724	Carded	1 in	1.750 in	0.570 in	1.420 in	0.590 in	18.500 in	3.36 lb

12 Point Metric XL GearBox™ Double Box Ratcheting Wrenches



- XL GearBox™ Design Has a Longer Beam to Increase Leverage and Torque
- Non-Ratcheting End for Breaking Loose Stubborn Fasteners
- 0° Offset and Slim Profile to Access the Tightest Spaces and Recessed Fasteners
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85908	082171859083	Carded	8 mm	0.670 in	0.270 in	0.460 in	0.240 in	8.710 in	0.13 lb
85909	082171859090	Carded	9 mm	0.700 in	0.270 in	0.520 in	0.260 in	8.910 in	0.13 lb
85910	082171859106	Carded	10 mm	0.780 in	0.300 in	0.570 in	0.270 in	9.500 in	0.17 lb
85911	082171859113	Carded	11 mm	0.850 in	0.320 in	0.620 in	0.310 in	9.890 in	0.20 lb
85912	082171859120	Carded	12 mm	0.910 in	0.340 in	0.680 in	0.330 in	10.520 in	0.26 lb
85913	082171859137	Carded	13 mm	0.980 in	0.340 in	0.740 in	0.350 in	11.310 in	0.33 lb
85914	082171859144	Carded	14 mm	1.040 in	0.370 in	0.800 in	0.390 in	12.020 in	0.38 lb
85915	082171859151	Carded	15 mm	1.130 in	0.390 in	0.860 in	0.430 in	12.720 in	0.47 lb
85916	082171859168	Carded	16 mm	1.200 in	0.410 in	0.900 in	0.430 in	13.710 in	0.50 lb
85917	082171859175	Carded	17 mm	1.270 in	0.420 in	0.940 in	0.430 in	14.700 in	0.67 lb
85918	082171859182	Carded	18 mm	1.310 in	0.440 in	0.980 in	0.450 in	15.130 in	0.70 lb
85919	082171859199	Carded	19 mm	1.340 in	0.440 in	1.040 in	0.470 in	15.600 in	0.77 lb
85920	082171859205	Carded	20 mm	1.540 in	0.510 in	1.140 in	0.520 in	15.980 in	1.42 lb
85921	082171859212	Carded	21 mm	1.540 in	0.510 in	1.180 in	0.570 in	16.540 in	2.07 lb
85922	082171859229	Carded	22 mm	1.540 in	0.510 in	1.220 in	0.570 in	17.010 in	2.71 lb
85924	082171859243	Carded	24 mm	1.750 in	0.570 in	1.340 in	0.590 in	18.030 in	3.36 lb
85925	082171859250	Carded	25 mm	1.750 in	0.570 in	1.420 in	0.590 in	18.500 in	4.01 lb

9 Pc. 12 Point SAE XL Spline Combination Ratcheting Wrench Set with Wrench Roll



- Work on a Wide Assortment of Fasteners Including E-Torx®, Square, 6-Point, Rounded 6-Point, 12-Point and Spline
- Spline Combination Wrench
- XL Combination 20% Longer and 25% Stronger
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish

Cat. No.	UPC No.	Packaging	Product Weight
85598	099575855986	Boxed	3.14 lb

Cat. No.	End A Fastener Size	End B Fastener Size	Cat. No.	End A Fastener Size	End B Fastener Size	Cat. No.	End A Fastener Size	End B Fastener Size
85548	1/4 in	#8	85554D	7/16 in	#14	85560	5/8 in	#20
85550D	5/16 in	#10	85556D	1/2 in	#16	85562D	11/16 in	#22
85552D	3/8 in	#12	85558D	9/16 in	#18	85564	3/4 in	#24

12 Point SAE XL Spline Combination Ratcheting Wrenches



- Work on a Wide Assortment of Fasteners Including E-Torx®, Square, 6-Point, Rounded 6-Point, 12-Point and Spline
- Spline Combination Wrench
- XL Combination 20% Longer and 25% Stronger
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches
- Bright, Full Polish Chrome Finish

Cat. No.	UPC No.	Packaging	End A Fastener Size	End A Width	End A Thickness	End B Fastener Size	End B Width	End B Thickness	Overall Length	Product Weight
85548	099575855481	Carded	1/4 in	0.610 in	0.256 in	#8	0.567 in	0.181 in	5.315 in	0.07 lb
85550D	099575855504	Carded	5/16 in	0.665 in	0.272 in	#10	0.768 in	0.197 in	5.906 in	0.09 lb
85552D	099575855528	Carded	3/8 in	0.780 in	0.303 in	#12	0.862 in	0.224 in	7.087 in	0.14 lb
85554D	099575855542	Carded	7/16 in	0.854 in	0.323 in	#14	0.953 in	0.252 in	7.677 in	0.17 lb
85556D	099575855566	Carded	1/2 in	0.984 in	0.339 in	#16	1.146 in	0.319 in	8.661 in	0.26 lb
85558D	099575855580	Carded	9/16 in	1.035 in	0.370 in	#18	1.228 in	0.327 in	9.252 in	0.35 lb
85560	099575855603	Carded	5/8 in	1.201 in	0.406 in	#20	1.358 in	0.346 in	10.236 in	0.45 lb
85562D	099575855627	Carded	11/16 in	1.272 in	0.421 in	#22	1.492 in	0.362 in	10.827 in	0.49 lb
85564	099575855641	Carded	3/4 in	1.339 in	0.441 in	#24	1.626 in	0.374 in	12.008 in	0.67 lb

12 Pc. 12 Point Metric Indexing Combination Ratcheting Wrench Set



- Locking Pivot Joint Enables 13 Different Positions for Access to Hard-To-Get Places
- Unlock the Pivot Joint for Rapid Piston Pumping Motion
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches

Cat. No.	UPC No.	Packaging	Product Weight
85488	099575854880	Carded	4.39 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85418	8 mm	85441D	11 mm	85444	14 mm	85447	17 mm
85439D	9 mm	85442	12 mm	85445	15 mm	85448	18 mm
85440D	10 mm	85443	13 mm	85446	16 mm	85449	19 mm

8 Pc. 12 Point SAE Indexing Combination Ratcheting Wrench Set



- Locking Pivot Joint Enables 13 Different Positions for Access to Hard-To-Get Places
- Unlock the Pivot Joint for Rapid Piston Pumping Motion
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches

Cat. No.	UPC No.	Packaging	Product Weight
85498	099575854989	Carded	2.98 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85450	5/16 in	85454	7/16 in	85458	9/16 in	85462	11/16 in
85452	3/8 in	85456	1/2 in	85460	5/8 in	85464	3/4 in

12 Point SAE Indexing Combination Ratcheting Wrenches



- Locking Pivot Joint Enables 13 Different Positions for Access to Hard-To-Get Places
- Unlock the Pivot Joint for Rapid Piston Pumping Motion
- Surface Drive[®] on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding
- Surface Drive Plus[™] on Open End: Stronger Grip, Reduces Fastener Rounding, Up to 25% More Torque
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85450	099575854507	Carded	5/16 in	0.709 in	0.197 in	0.535 in	0.127 in	4.949 in	0.13 lb
85452	099575854521	Carded	3/8 in	0.906 in	0.220 in	0.574 in	0.127 in	5.909 in	0.20 lb
85454	099575854545	Carded	7/16 in	0.984 in	0.240 in	0.618 in	0.127 in	6.417 in	0.22 lb
85456	099575854569	Carded	1/2 in	1.102 in	0.303 in	0.685 in	0.171 in	7.217 in	0.32 lb
85458	099575854583	Carded	9/16 in	1.260 in	0.307 in	0.728 in	0.171 in	7.665 in	0.38 lb
85460	099575854606	Carded	5/8 in	1.378 in	0.346 in	0.813 in	0.197 in	8.508 in	0.52 lb
85462	099575854620	Carded	11/16 in	1.496 in	0.370 in	0.844 in	0.197 in	9.016 in	0.62 lb
85464	099575854644	Carded	3/4 in	1.654 in	0.386 in	0.883 in	0.197 in	10.122 in	0.72 lb

12 Point Metric Indexing Combination Ratcheting Wrenches



- Locking Pivot Joint Enables 13 Different Positions for Access to Hard-To-Get Places
- Unlock the Pivot Joint for Rapid Piston Pumping Motion
- Surface Drive[®] on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding
- Surface Drive Plus[™] on Open End: Stronger Grip, Reduces Fastener Rounding, Up to 25% More Torque
- Ratcheting Box End Needs As Little As 5° to Move Fasteners vs. 30° for Standard Wrenches

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85418	099575854187	Carded	8 mm	0.709 in	0.197 in	0.535 in	0.127 in	4.949 in	0.13 lb
85439D	099575854392	Carded	9 mm	0.787 in	0.209 in	0.543 in	0.127 in	5.394 in	0.15 lb
85440D	099575854408	Carded	10 mm	0.906 in	0.220 in	0.574 in	0.127 in	5.909 in	0.19 lb
85441D	099575854415	Carded	11 mm	0.984 in	0.240 in	0.618 in	0.127 in	6.417 in	0.23 lb
85442	099575854422	Carded	12 mm	1.063 in	0.260 in	0.660 in	0.171 in	6.783 in	0.27 lb
85443	099575854439	Carded	13 mm	1.102 in	0.303 in	0.685 in	0.171 in	7.217 in	0.31 lb
85444	099575854446	Carded	14 mm	1.260 in	0.307 in	0.728 in	0.171 in	7.665 in	0.38 lb
85445	099575854453	Carded	15 mm	1.299 in	0.315 in	0.766 in	0.171 in	8.185 in	0.43 lb
85446	099575854460	Carded	16 mm	1.378 in	0.346 in	0.813 in	0.197 in	8.508 in	0.52 lb
85447	099575854477	Carded	17 mm	1.496 in	0.370 in	0.844 in	0.197 in	9.016 in	0.60 lb
85448	099575854484	Carded	18 mm	1.535 in	0.370 in	0.851 in	0.197 in	9.555 in	0.65 lb
85449	099575854491	Carded	19 mm	1.654 in	0.386 in	0.883 in	0.197 in	10.122 in	0.70 lb

12 Pc. 12 Point Metric Open End Ratcheting Combination Wrench Set



- Allows Ratcheting of Nuts and Bolts Without Removing Wrench From Fastener, Making Jobs Faster and Easier
- Ratcheting Speed with the Access of An Open End Wrench
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches

Cat. No.	UPC No.	Packaging	Product Weight
85597	099575855979	Carded	3.15 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85508	8 mm	85511	11 mm	85514D	14 mm	85517	17 mm
85509	9 mm	85512D	12 mm	85515	15 mm	85518	18 mm
85510	10 mm	85513	13 mm	85516	16 mm	85519	19 mm

8 Pc. 12 Point SAE Open End Ratcheting Combination Wrench Set



- Allows Ratcheting of Nuts and Bolts Without Removing Wrench From Fastener, Making Jobs Faster and Easier
- Ratcheting Speed with the Access of An Open End Wrench
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches

Cat. No.	UPC No.	Packaging	Product Weight
85599	099575855993	Carded	2.50 lb

Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size	Cat. No.	Fastener Size
85570	5/16 in	85574	7/16 in	85578	9/16 in	85582	11/16 in
85572	3/8 in	85576	1/2 in	85580	5/8 in	85584	3/4 in

12 Point SAE Open End Ratcheting Combination Wrenches



- Allows Ratcheting of Nuts and Bolts Without Removing Wrench From Fastener, Making Jobs Faster and Easier
- Ratcheting Speed with the Access of An Open End Wrench
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches

Cat. No.	UPC No.	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
85570	099575855702	5/16 in	0.658 in	0.197 in	0.625 in	0.256 in	5.508 in	0.12 lb
85572	099575855726	3/8 in	0.822 in	0.220 in	0.750 in	0.287 in	6.256 in	0.17 lb
85574	099575855740	7/16 in	0.905 in	0.240 in	0.811 in	0.303 in	6.508 in	0.19 lb
85576	099575855764	1/2 in	1.069 in	0.303 in	0.930 in	0.339 in	7.008 in	0.25 lb
85578	099575855788	9/16 in	1.152 in	0.307 in	1.020 in	0.354 in	7.504 in	0.31 lb
85580	099575855801	5/8 in	1.316 in	0.346 in	1.130 in	0.390 in	8.201 in	0.43 lb
85582	099575855825	11/16 in	1.399 in	0.370 in	1.201 in	0.406 in	8.878 in	0.49 lb
85584	099575855849	3/4 in	1.563 in	0.386 in	1.278 in	0.441 in	9.764 in	0.58 lb

12 Point Metric Open End Ratcheting Combination Wrenches



- Allows Ratcheting of Nuts and Bolts Without Removing Wrench From Fastener, Making Jobs Faster and Easier
- 72 Teeth Ratcheting Box End Needs As Little As 5° to Move Fasteners Versus 30° for Standard Box End Wrenches
- Ratcheting Speed with the Access of An Open End Wrench

Cat. No.	UPC No.	Fastener Size	End A Width	End A Thick-ness	End B Width	End B Thick-ness	Overall Length	Product Weight
85508	099575855085	8 mm	0.658 in	0.197 in	0.625 in	0.256 in	5.508 in	0.12 lb
85509	099575855092	9 mm	0.741 in	0.209 in	0.689 in	0.272 in	5.882 in	0.13 lb
85510	099575855108	10 mm	0.822 in	0.220 in	0.750 in	0.287 in	6.256 in	0.17 lb
85511	099575855115	11 mm	0.905 in	0.240 in	0.811 in	0.303 in	6.508 in	0.21 lb
85512D	099575855122	12 mm	0.988 in	0.260 in	0.855 in	0.323 in	6.756 in	0.24 lb
85513	099575855139	13 mm	1.069 in	0.303 in	0.930 in	0.339 in	7.008 in	0.26 lb
85514D	099575855146	14 mm	1.152 in	0.307 in	1.020 in	0.354 in	7.504 in	0.31 lb
85515	099575855153	15 mm	1.233 in	0.315 in	1.070 in	0.370 in	7.854 in	0.35 lb
85516	099575855160	16 mm	1.316 in	0.346 in	1.130 in	0.390 in	8.201 in	0.40 lb
85517	099575855177	17 mm	1.399 in	0.370 in	1.201 in	0.406 in	8.878 in	0.49 lb
85518	099575855184	18 mm	1.480 in	0.370 in	1.239 in	0.421 in	9.315 in	0.53 lb
85519	099575855191	19 mm	1.563 in	0.386 in	1.278 in	0.441 in	9.764 in	0.50 lb

13 Pc. 12 Point SAE QuadBox™ Double Box Ratcheting Wrench Set

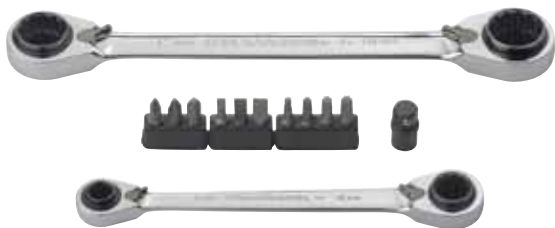


- QuadBox™ Design Has 2 Fastener Sizes in Each Box End
- Reversing Levers on Both Sides for Fast, Easy Access
- Save Weight: 4 Sizes in One Wrench!
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85200	099575852008	Carded	0.85 lb

Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
85201	QuadBox Ratcheting Wrench 5/16", 3/8", 7/16", 1/2"	-	#3 Phillips Bit	-	T-20 Torx® Bit
85202D	QuadBox Ratcheting Wrench 9/16", 5/8", 11/16", 3/4"	-	1/4" Slotted Bit	-	T-25 Torx® Bit
-	1/4" Bit Holder	-	5/32" Slotted Bit	-	T-27 Torx® Bit
-	#1 Phillips Bit	-	7/32" Slotted Bit	-	
-	#2 Phillips Bit	-	T-15 Torx® Bit	-	

13 Pc. 12 Point Metric QuadBox™ Double Box Ratcheting Wrench Set



- QuadBox™ Design Has 2 Fastener Sizes in Each Box End
- Reversing Levers on Both Sides for Fast, Easy Access
- Save Weight: 4 Sizes in One Wrench!
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85210D	099575852107	Carded	0.90 lb

Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
85211	QuadBox Ratcheting Wrench 8mm, 10mm, 12mm, 13mm	-	#3 Phillips Bit	-	T-20 Torx® Bit
85212	QuadBox Ratcheting Wrench 16mm, 17mm, 18mm, 19mm	-	1/4" Slotted Bit	-	T-25 Torx® Bit
-	1/4" Bit Holder	-	5/32" Slotted Bit	-	T-27 Torx® Bit
-	#1 Phillips Bit	-	7/32" Slotted Bit	-	
-	#2 Phillips Bit	-	T-15 Torx® Bit	-	

3 Pc. 12 Point SAE QuadBox™ Double Box Ratcheting Wrench Set



- QuadBox™ Design Has 2 Fastener Sizes in Each Box End
- Reversing Levers on Both Sides for Fast, Easy Access
- Save Weight: 4 Sizes in One Wrench!
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85204	099575852046	Boxed	2.02 lb

Cat. No.	Description	Cat. No.	Description
85201	QuadBox Ratcheting Wrench 5/16", 3/8", 7/16", 1/2"	85203	QuadBox Ratcheting Wrench 13/16", 7/8", 15/16", 1"
85202D	QuadBox Ratcheting Wrench 9/16", 5/8", 11/16", 3/4"		

4 Pc. 12 Point Metric QuadBox™ Double Box Ratcheting Wrench Set



- QuadBox™ Design Has 2 Fastener Sizes in Each Box End
- Reversing Levers on Both Sides for Fast, Easy Access
- Save Weight: 4 Sizes in One Wrench!
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85215	099575852152	Boxed	2.25 lb

Cat. No.	Description	Cat. No.	Description
85211	QuadBox Ratcheting Wrench 8mm, 10mm, 12mm, 13mm	85212	QuadBox Ratcheting Wrench 16mm, 17mm, 18mm, 19mm
85213	QuadBox Ratcheting Wrench 9mm, 11mm, 14mm, 15mm	85214	QuadBox Ratcheting Wrench 20mm, 21mm, 22mm, 24mm

12 Point SAE QuadBox™ Double Box Ratcheting Wrenches



- QuadBox™ Design Has 2 Fastener Sizes in Each Box End
- Reversing Levers on Both Sides for Fast, Easy Access
- Save Weight: 4 Sizes in One Wrench!
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	End A Fastener Size	End A Width	End A Thickness	End B Fastener Size	End B Width	End B Thickness	Overall Length	Product Weight
85201	099575852015	Carded	5/16 in, 3/8 in	0.780 in	0.470 in	7/16 in, 1/2 in	0.980 in	0.590 in	6.300 in	0.19 lb
85202D	099575852022	Carded	9/16 in, 5/8 in	1.200 in	0.670 in	11/16 in, 3/4 in	1.340 in	0.750 in	8.270 in	0.44 lb
85203	099575852039	Carded	13/16 in, 7/8 in	1.540 in	0.910 in	15/16 in, 1 in	1.790 in	1.100 in	11.420 in	1.04 lb

12 Point Metric QuadBox™ Double Box Ratcheting Wrenches



- QuadBox™ Design Has 2 Fastener Sizes in Each Box End
- Reversing Levers on Both Sides for Fast, Easy Access
- Save Weight: 4 Sizes in One Wrench!
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	End A Fastener Size	End A Width	End A Thickness	End B Fastener Size	End B Width	End B Thickness	Overall Length	Product Weight
85211	099575852114	Carded	8 mm, 10 mm	0.780 in	0.470 in	12 mm, 13 mm	0.980 in	0.590 in	6.300 in	0.18 lb
85213	099575852138	Carded	9 mm, 11 mm	0.850 in	0.510 in	14 mm, 15 mm	1.130 in	0.630 in	7.090 in	0.26 lb
85212	099575852121	Carded	16 mm, 17 mm	1.270 in	0.710 in	18 mm, 19 mm	1.340 in	0.790 in	9.060 in	0.47 lb
85214	099575852145	Carded	20 mm, 21 mm	1.540 in	0.910 in	22 mm, 24 mm	1.790 in	1.100 in	11.420 in	1.03 lb

SAE QuadBox™ HVAC Ratcheting Wrenches



- Quadbox™ Design Has 2 Fastener Sizes in Each Box End
- Reversing Levers on Both Sides for Fast, Easy Access
- Save Weight: 4 Sizes in One Wrench!
- HVAC Square and Hex Tool
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	End A Drive Type	End B Drive Type	End A Fastener Size	End A Width	End A Thickness	End B Fastener Size	End B Width	End B Thickness	Overall Length	Product Weight
85220D	099575852206	Carded	Square	Square	1/4 in, 3/16 in	0.780 in	0.496 in	3/8 in, 5/16 in	0.850 in	0.488 in	5.512 in	0.19 lb
85221	099575852213	Carded	Square	6 Point	1/4 in, 3/16 in	0.780 in	0.496 in	9/16 in, 1/2 in	1.035 in	0.598 in	6.890 in	0.27 lb

6 Pc. 12 Point Metric Double Box Ratcheting Wrench Set



- Save Weight: 2 Sizes in One Wrench!
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9260	082171092602	Carded	1.60 lb

Cat. No.	End A Fastener Size	End B Fastener Size	Cat. No.	End A Fastener Size	End B Fastener Size	Cat. No.	End A Fastener Size	End B Fastener Size
9210D	8 mm	9 mm	9212D	12 mm	13 mm	9214	16 mm	18 mm
9211D	10 mm	11 mm	9213	14 mm	15 mm	9215D	17 mm	19 mm

4 Pc. 12 Point SAE Double Box Ratcheting Wrench Set



- Save Weight: 2 Sizes in One Wrench!
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9240D	082171092404	Carded	1.13 lb

Cat. No.	Description	Cat. No.	Description
9201D	5/16" x 3/8" Double Box Ratcheting Wrench	9203	9/16" x 5/8" Double Box Ratcheting Wrench
9202D	7/16" x 1/2" Double Box Ratcheting Wrench	9204D	11/16" x 3/4" Double Box Ratcheting Wrench

12 Point SAE Double Box Ratcheting Wrenches



- Save Weight: 2 Sizes in One Wrench!
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	End A Fastener Size	End A Width	End A Thickness	End B Fastener Size	End B Width	End B Thickness	Overall Length	Product Weight
9201D	082171092015	Carded	5/16 in	0.665 in	0.272 in	3/8 in	0.705 in	0.272 in	5.118 in	0.13 lb
9202D	082171092022	Carded	7/16 in	0.854 in	0.323 in	1/2 in	0.984 in	0.339 in	6.299 in	0.16 lb
9203	082171092039	Carded	9/16 in	1.035 in	0.370 in	5/8 in	1.201 in	0.406 in	7.480 in	0.31 lb
9204D	082171092046	Carded	11/16 in	1.272 in	0.421 in	3/4 in	1.339 in	0.441 in	9.055 in	0.45 lb

12 Point Metric Double Box Ratcheting Wrenches

mm 12



- Save Weight: 2 Sizes in One Wrench!
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	End A Fastener Size	End A Width	End A Thickness	End B Fastener Size	End B Width	End B Thickness	Overall Length	Product Weight
9210D	082171092107	Carded	8 mm	0.665 in	0.272 in	9 mm	0.705 in	0.272 in	5.118 in	0.11 lb
9211D	082171092114	Carded	10 mm	0.780 in	0.303 in	11 mm	0.854 in	0.323 in	5.906 in	0.14 lb
9212D	082171092121	Carded	12 mm	0.906 in	0.339 in	13 mm	0.984 in	0.339 in	6.693 in	0.22 lb
9213	082171092138	Carded	14 mm	1.035 in	0.370 in	15 mm	1.130 in	0.390 in	7.480 in	0.27 lb
9214	082171092145	Carded	16 mm	1.201 in	0.406 in	18 mm	1.307 in	0.441 in	8.268 in	0.42 lb
9215D	082171092152	Carded	17 mm	1.272 in	0.421 in	19 mm	1.339 in	0.441 in	9.055 in	0.46 lb

5 Pc. 12 Point Metric Half Moon Reversible Double Box Ratcheting Wrench Set

mm 12



- Slim Half Moon Design Allows for Easy Access Around Obstructions
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9850	082171098505	Carded	2.61 lb

Cat. No.	End A Fastener Size	End B Fastener Size	Cat. No.	End A Fastener Size	End B Fastener Size	Cat. No.	End A Fastener Size	End B Fastener Size
9851D	10 mm	12 mm	9853	14 mm	16 mm	9855D	19 mm	22 mm
9852D	11 mm	13 mm	9854	15 mm	17 mm			

4 Pc. 12 Point SAE Half Moon Reversible Double Box Ratcheting Wrench Set

SAE 12



- Slim Half Moon Design Allows for Easy Access Around Obstructions
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9840D	082171098406	Carded	2.33 lb

Cat. No.	End A Fastener Size	End B Fastener Size	Cat. No.	End A Fastener Size	End B Fastener Size
9841D	3/8 in	7/16 in	9843D	5/8 in	11/16 in
9842	1/2 in	9/16 in	9844	3/4 in	7/8 in

12 Point SAE Half Moon Reversible Double Box Ratcheting Wrenches



- Slim Half Moon Design Allows for Easy Access Around Obstructions
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	End A Fastener Size	End A Width	End A Thickness	End B Fastener Size	End B Width	End B Thickness	Overall Length	Product Weight
9841D	082171098413	Carded	3/8 in	0.780 in	0.303 in	7/16 in	0.906 in	0.323 in	5.157 in	0.15 lb
9842	082171098420	Carded	1/2 in	0.984 in	0.339 in	9/16 in	1.035 in	0.370 in	6.22 in	0.45 lb
9843D	082171098437	Carded	5/8 in	1.201 in	0.406 in	11/16 in	1.307 in	0.421 in	7.913 in	0.50 lb
9844	082171098444	Carded	3/4 in	1.339 in	0.441 in	7/8 in	1.535 in	0.512 in	9.094 in	0.19 lb

12 Point Metric Half Moon Reversible Double Box Ratcheting Wrenches



- Slim Half Moon Design Allows for Easy Access Around Obstructions
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	End A Fastener Size	End A Width	End A Thickness	End B Fastener Size	End B Width	End B Thickness	Overall Length	Product Weight
9851D	082171098512	Carded	10 mm	0.780 in	0.303 in	12 mm	0.906 in	0.339 in	5.157 in	0.50 lb
9852D	082171098529	Carded	11 mm	0.854 in	0.323 in	13 mm	0.984 in	0.339 in	5.787 in	0.25 lb
9853	082171098536	Carded	14 mm	1.035 in	0.370 in	16 mm	1.272 in	0.406 in	6.654 in	1.10 lb
9854	082171098543	Carded	15 mm	1.201 in	0.390 in	17 mm	1.307 in	0.421 in	7.913 in	1.30 lb
9855D	082171098550	Carded	19 mm	1.339 in	0.441 in	22 mm	1.535 in	0.512 in	9.094 in	1.32 lb

5 Pc. 12 Point Metric S-Shape Reversible Double Box Ratcheting Wrench Set



- Slim S-Shape Design Allows for Easy Access Around Obstructions
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85299	082171852992	Carded	2.73 lb

Cat. No.	End A Fastener Size	End B Fastener Size	Cat. No.	End A Fastener Size	End B Fastener Size	Cat. No.	End A Fastener Size	End B Fastener Size
85222	10 mm	12 mm	85230	14 mm	16 mm	85241D	19 mm	22 mm
85224	11 mm	13 mm	85232	15 mm	17 mm			

4 Pc. 12 Point SAE S-Shape Reversible Double Box Ratcheting Wrench Set



- Slim S-Shape Design Allows for Easy Access Around Obstructions
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
85399	082171853999	Carded	2.40 lb

Cat. No.	End A Fastener Size	End B Fastener Size	Cat. No.	End A Fastener Size	End B Fastener Size
85326	3/8 in	7/16 in	85342	5/8 in	11/16 in
85334	1/2 in	9/16 in	85352	3/4 in	7/8 in

12 Point SAE S-Shape Reversible Double Box Ratcheting Wrenches



- Slim S-Shape Design Allows for Easy Access Around Obstructions
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	End A Fastener Size	End A Width	End A Thickness	End B Fastener Size	End B Width	End B Thickness	Overall Length	Product Weight
85326	082171853265	Carded	3/8 in	1.535 in	0.512 in	7/16 in	1.339 in	0.441 in	8.811 in	0.18 lb
85334	082171853340	Carded	1/2 in	0.984 in	0.370 in	9/16 in	1.035 in	0.339 in	6.268 in	0.29 lb
85342	082171853425	Carded	5/8 in	1.307 in	0.421 in	11/16 in	1.201 in	0.406 in	8.114 in	0.56 lb
85352	082171853524	Carded	3/4 in	1.535 in	0.512 in	7/8 in	1.339 in	0.441 in	8.811 in	0.81 lb

12 Point Metric S-Shape Reversible Double Box Ratcheting Wrenches



- Slim S-Shape Design Allows for Easy Access Around Obstructions
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	End A Fastener Size	End A Width	End A Thickness	End B Fastener Size	End B Width	End B Thickness	Overall Length	Product Weight
85222	082171852220	Carded	10 mm	0.906 in	0.339 in	12 mm	0.780 in	0.303 in	5.217 in	0.18 lb
85224	082171852244	Carded	11 mm	0.984 in	0.339 in	13 mm	0.854 in	0.323 in	5.650 in	0.23 lb
85230	082171852305	Carded	14 mm	1.272 in	0.406 in	16 mm	1.035 in	0.370 in	6.906 in	0.40 lb
85232	082171852329	Carded	15 mm	1.307 in	0.421 in	17 mm	1.201 in	0.390 in	8.114 in	0.55 lb
85241D	082171852411	Carded	19 mm	1.535 in	0.512 in	22 mm	1.339 in	0.441 in	8.811 in	1.00 lb

4 Pc. E-Torx® Double Box Ratcheting Wrench Set



- E-Torx® Design
- Save Weight: 2 Sizes in One Wrench!
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	Product Weight
9224D	082171092244	Carded	1.00 lb

Cat. No.	Description	Cat. No.	Description
9220D	E6 x E8 Torx Double Box Ratcheting Wrench	9222	E14 x E18 Torx Double Box Ratcheting Wrench
9221	E10 x E12 Torx Double Box Ratcheting Wrench	9223	E20 x E24 Torx Double Box Ratcheting Wrench

E-Torx® Double Box Ratcheting Wrenches



- E-Torx® Design
- Save Weight: 2 Sizes in One Wrench!
- Surface Drive® on Box End Provides Off-Corner Loading for Better Grip and Reduced Fastener Rounding

Cat. No.	UPC No.	Packaging	End A Fastener Size	End A Width	End A Thickness	End B Fastener Size	End B Width	End B Thickness	Overall Length	Product Weight
9220D	082171092206	Carded	E6	0.630 in	0.689 in	E8	0.256 in	0.272 in	5.118 in	0.06 lb
9221	082171092213	Carded	E10	0.748 in	0.811 in	E12	0.287 in	0.303 in	5.906 in	0.11 lb
9222	082171092220	Carded	E14	0.849 in	1.130 in	E18	0.354 in	0.390 in	7.480 in	0.26 lb
9223	082171092237	Carded	E20	1.201 in	1.280 in	E24	0.406 in	0.441 in	9.055 in	0.36 lb

2 Pc. Access Bit Adapter Set



- Converts a 1/2" Ratcheting Wrench to a Ratcheting Bit Driver
- For Use with 1/4" and 5/16" Bits

Cat. No.	UPC No.	Packaging	Product Weight
9535D	082171095351	Carded	0.18 lb

3 Pc. SAE Drive Adapter Set



- Socket Adapter Converts a 3/8" Ratcheting Wrench to a 1/4" Drive Tang
- Socket Adapter Converts a 1/2" Ratcheting Wrench to a 3/8" Drive Tang
- Socket Adapter Converts a 3/4" Ratcheting Wrench to a 1/2" Drive Tang

Cat. No.	Description
9217	Wrench Drive Adapter 3/8" to 1/4" Drive Square
9218D	Wrench Drive Adapter 1/2" to 3/8" Drive Square

Cat. No.	UPC No.	Packaging	Product Weight
9231D	082171092312	Carded	0.25 lb

Cat. No.	Description
9219	Wrench Drive Adapter 3/4" to 1/2" Drive Square

3 Pc. Metric Drive Adapter Set



- Socket Adapter Converts a 10mm Ratcheting Wrench to a 1/4" Drive Tang
- Socket Adapter Converts a 13mm Ratcheting Wrench to a 3/8" Drive Tang
- Socket Adapter Converts a 19mm Ratcheting Wrench to a 1/2" Drive Tang

Cat. No.	Description
9207	Wrench Drive Adapter 10mm to 1/4" Drive Square
9208D	Wrench Drive Adapter 13mm to 3/8" Drive Square

Cat. No.	UPC No.	Packaging	Product Weight
9230D	082171092305	Carded	0.25 lb

Cat. No.	Description
9209D	Wrench Drive Adapter 19mm to 1/2" Drive Square

37 Pc. Access Bit Set with 1/2" Reversible Ratcheting Wrench



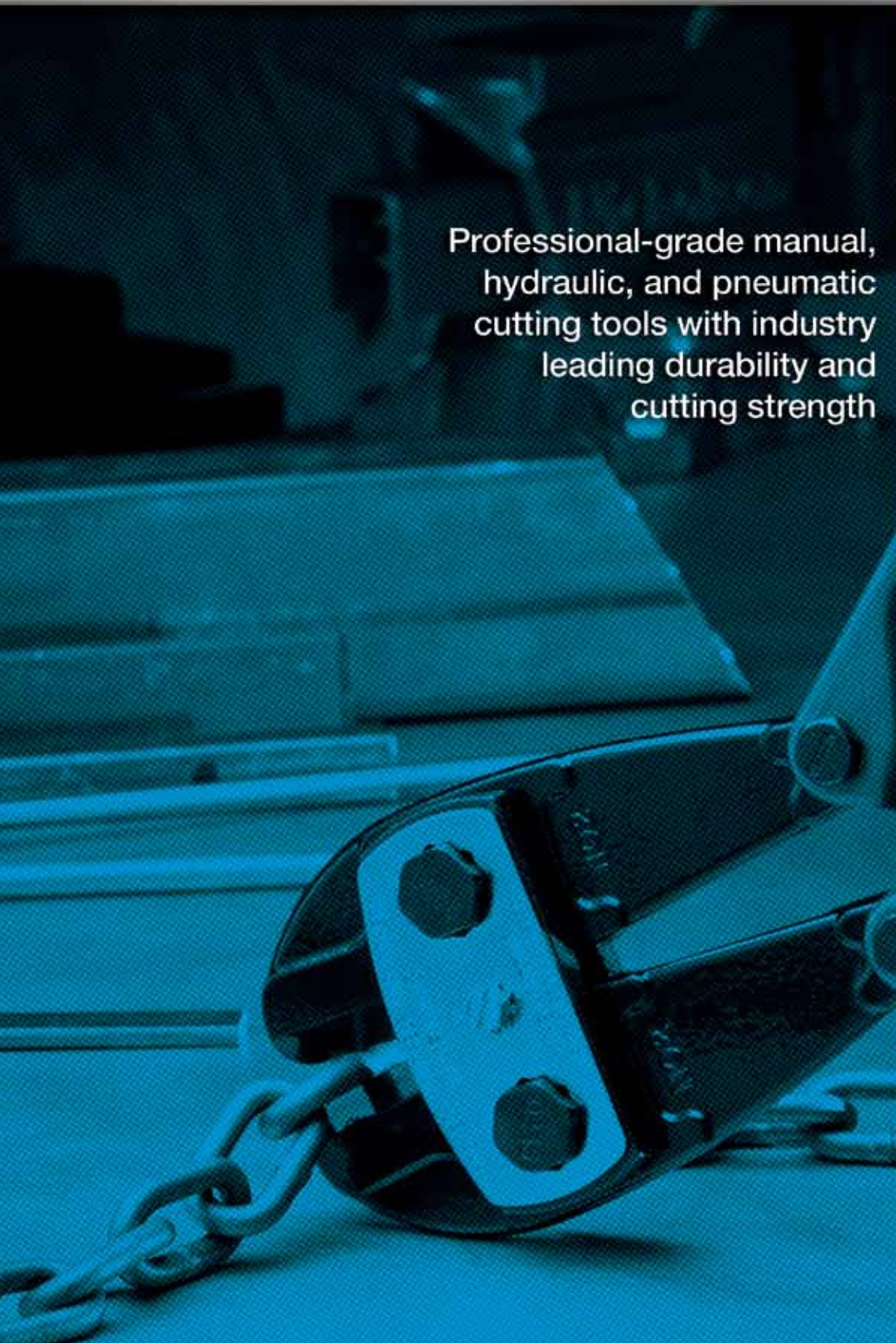
Cat. No.	UPC No.	Packaging	Product Weight
9537N	082171095375	Carded	0.85 lb

Cat. No.	Description	Cat. No.	Description	Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
9528N	1/2" Reversible Combination Ratcheting Wrench	-	5mm Hex Bit	-	9/64" Hex Bit	-	#2 Phillips Bit	-	T-27 Torx® Bit
-	Socket Adapter	-	6mm Hex Bit	-	5/32" Hex Bit	-	#3 Phillips Bit	-	T-30 Torx® Bit
-	1/4" Bit Holder	-	7mm Hex Bit	-	3/16" Hex Bit	-	1/4" Slotted Bit	-	T-40 Torx® Bit
-	5/16" Bit Holder	-	8mm Hex Bit	-	7/32" Hex Bit	-	9/32" Slotted Bit	-	T-45 Torx® Bit
-	2mm Hex Bit	-	10mm Hex Bit	-	1/4" Hex Bit	-	T-10 Torx® Bit	-	T-50 Torx® Bit
-	2.5mm Hex Bit	-	3/32" Hex Bit	-	5/16" Hex Bit	-	T-15 Torx® Bit	-	
-	3mm Hex Bit	-	7/64" Hex Bit	-	3/8" Hex Bit	-	T-20 Torx® Bit	-	
-	4mm Hex Bit	-	1/8" Hex Bit	-	#1 Phillips Bit	-	T-25 Torx® Bit	-	



Professional-grade manual,
hydraulic, and pneumatic
cutting tools with industry
leading durability and
cutting strength

- Manual Cutters
- Ratcheting Cutters
- Specialty Tools





Since 1880, H. K. Porter has been the leading brand in cutting tools with a worldwide reputation for quality, strength, and durability. The extensive line of products includes manual cutters, ratcheting cutters, and specialty tools, designed to handle everything from light wires and brushes to heavy steel rods and bars.



Ratcheting & Manual Cable Cutters

ALWAYS MAKING THE FINAL CUT

- **Superior Strength Cutting Head and Blade** for easier and more efficient cutting
- **Precision Cutting Edges** are accurately beveled for specific types of cuts and materials
- **Ratchet and Chain System** provides easy progressive cutting
- **Rugged Built Design** for a long lasting, dependable, and durable tool
- **Alloy Tool Steel Cutting Jaws**, drop forged, precision ground for maximum wear resistance and longer cutting life
- **Steel Tubular Handles** are close together for more cutting power with less strain
- **Cushion Grips** for easy and firm gripping while you are cutting

Alloy Tool Steel Cutting Jaws



Cushion Grips



TECH INFORMATION

Cutting Tips

1. When heavy cutting is involved, place one handle of the tool on the ground using foot pressure. This allows more power to be transferred to the cutting edges, and permits the cutting force to be applied to the upper handle.
2. Use the correct cutting tool for the type, size, and hardness of the metal to be cut. Failure to do so can result in product damage or injury.
3. Keep cutter jaws at right angles to piece being cut. Cutting diagonally may twist jaws and damage head.
4. Do not twist or pry with tool while cutting.
5. Do not exceed the full cut on a material whose hardness is unknown. Test hardness with slow pressure to see if material surface is being cut. The size of the metal you are cutting is not as important as material hardness.
6. Do not exceed the cutter capacity that is marked on the jaw of the tool or its rating capacity in this catalog.
7. Keep jaw bolts tight and joints oiled at all times. Inspect tool frequently for damage and replace worn parts.
8. Maintain the original jaw bevel angles when sharpening out of line or chip cutting edges.



Safety Do's and Don'ts

WEAR YOUR GLOVES AND SAFETY GLASSES AT ALL TIMES!

- DO** wear safety shoes.
- DO** remove oil or grease from your hands, from tools and from the floor and area where you will be working.
- DO** remember that metal can fly when cut. The harder the metal, the farther it will fly, and possibly cause injury.
- DO** warn those in the area when you intend to use a cutter and protect others.
- DO** use all tools as recommended.
- DON'T** attempt to use a cutting, hand or power tool, until you fully understand its use.
- DON'T** forget that metal fragments may fly and cause injury.
- DON'T** use cutters for any application except those listed in this catalog.
- DON'T** use H.K. Porter cutters on energized circuits, wire, or cable.
- DON'T** use cutters that are damaged or need parts replaced due to wear.
- DON'T** use cutter products on energized circuits, wire or cables.

Safety Precautions

Hard metals may snap off or fly through the air when cut. Always wear safety glasses and warn workers nearby to prevent injury from flying metal. Take precautions such as wrapping a cloth or rag around the cutting jaws to contain fragments during cutting.

READ AND UNDERSTAND ALL DIRECTIONS BEFORE OPERATING ANY H.K. PORTER® MANUAL, HYDRAULIC OR PNEUMATIC TOOL

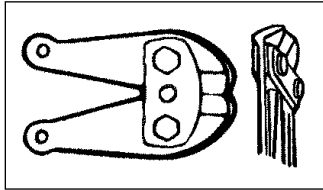
How to Determine What Type of Cutter to Use

1. **What is the material to be cut?**
 2. **What size is the material to be cut?**
Capacities of all hand-operated cutters are shown opposite each catalog listing. Power tool capacities are shown in the Power Tool Selector chart. Do not exceed listed capacities.
 3. **How hard is the material to be cut?**
Many of the materials illustrated in the chart below are made in varying degrees of hardness. The maximum hardness ratings that each hand and power tool is designed to cut are shown under each tool in this catalog.
Extra Hard Metals: Up to Brinell 455/Rockwell C48
Hard Metals: Up to Brinell 400/Rockwell C42
Medium Hard Metals: Up to Brinell 300/Rockwell C31
Soft Metals: Up to Brinell 200/Rockwell C15
 4. **Will numerous or few cuts be made in a day?**
The frequency of cuts to be made should be taken into consideration when choosing a cutter. HKP manufactures inexpensive hand cutters for light-duty work, heavy-duty cutters for tougher jobs, and hydraulic and pneumatic cutters for extremely hard materials and production cutting.
 5. **Is speed a factor in the cutting?**
Choose the proper cutter to fit the job requirements, whether an occasional cut is called for or fast, continuous, industrial production cutting.
- Still not sure?**
Send material samples to:
Apex Tool Group - Sumter Plant
Industrial Park
Sumter, SC 29154
Attn: HKP Test Material
- NOTE: Provide answers to as many of the questions as possible.**
- WARNING**
- Always wear safety glasses/goggles when cutting.
 - Cut in a safe area. Consider the safety of others.
 - The harder the material being cut, the greater it is to become airborne during cutting.
 - Use tools correctly! (Refer to "Engineering Information" section of this catalog)
 - Use the correct tool for the work being performed.
 - Maintain tools, power supplies, and hoses in safe working condition.

TECH INFORMATION

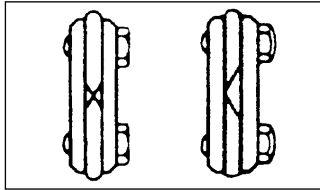
Jaw Designs

There are four basic jaw designs. They are engineered to give long, trouble-free life and the most efficient cutting of the materials which they are designed to cut.



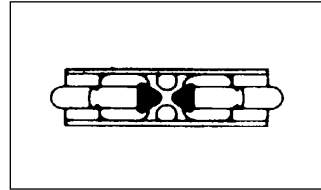
ANGULAR JAWS

30° offset jaws have clipper-cut blades, designed for cutting close or flush to a surface. Cuts soft or medium-hard material.



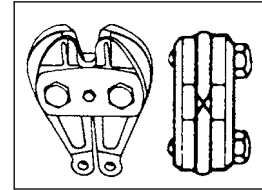
ALL-PURPOSE JAWS

Can have center- or clipper-cut blades used for broad cutting applications.



SHORT-NOSED JAWS

Center-cut, carbide-tipped blades for cutting hard- and non alloy chains and padlock hasps.

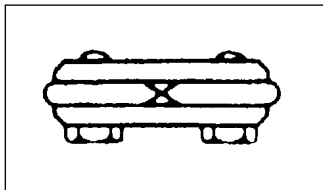


HEAVY-DUTY STRAP JAWS

Straps keep the cutting edges aligned under the most demanding applications.

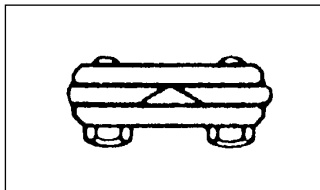
Cutting Blades

Four different cutting blade styles are available for specific types or broad ranges of cutting applications.



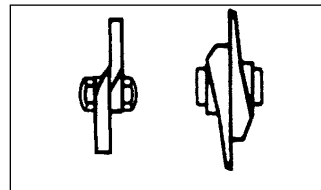
CENTER-CUT BLADES

Slightly rounded cutting edges, beveled on both sides, broaden cutting applications.



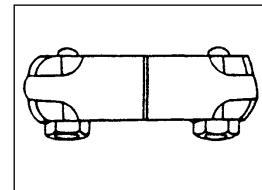
CLIPPER-CUT BLADES

Blades are beveled on only one side for smooth flush cuts that are close to work piece.



SHEAR-CUT BLADES

Designed to cut coarse- or fine-strand cable with minimal strand distortion.

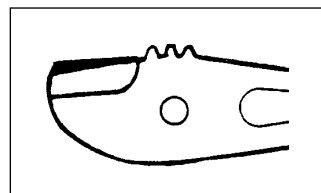


END-CUT BLADES

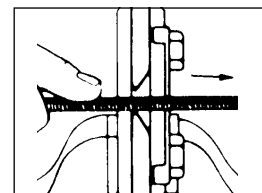
Blades are at right angles to handles for easier handling and "head-on" close cutting of materials.

How to Sharpen Cutter Jaws

- Remove nicks in jaws by filing straight across cutting edges
- On jaws with equal bevels, file equally from each bevel, keep file flat against bevel
- On jaws with one large bevel, file on that bevel. Small bevel must also be restored
- Jaws should not be razor sharp
- Approximately 1/64" (0.4mm) should remain flat to form strong, durable edge
- To sharpen shear-cut blades (blades that pass each other like scissors) remove nicks by filing straight across cutting edges
- Finish by running a flat file over inner jaw surface to remove burrs
- Adjust tool according to the instructions below



Shaded area shows part of cutting edge which may be filed



Nicholson® File Recommendations

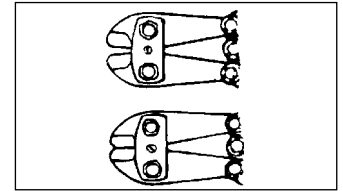
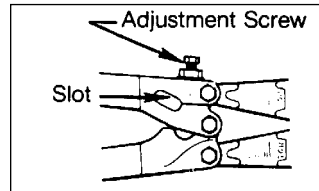
For Jaw Type	Use File Type
Straight	6", 8", or 10" Mill Bastard
Curved	8", 10", or 12" Half Round Bastard
Straight with Notch	8" or 10" Mill Bastard with One Round Edge
Notched	8" or 10" Round Bastard

- Choose file size according to size of jaw and/or radius of curve
- Half round files are the most versatile

TECH INFORMATION

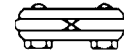
How to Adjust Cutter Jaws

- An adjustment screw is located on the cutter handle above the toggle joints
- If jaw edges are too far apart with handles closed, tighten adjusting screw, this brings cutting edges together
- Cutting edges should be 1/64" (0.4mm) apart for longest jaw life
- Oil all joints and keep free of debris
- If jaw edges are too close together with the handles apart, loosen adjusting screw until it disappears from the narrow slot in the handle
- Make a cut with the tool in this position (cut will force the slot inward)
- Try to close the handles. If they do not close completely and jaw edges are 1/64" (0.4mm) apart, tighten adjusting screw to meet the handle on far side of slot
- Oil all joints and keep free of debris



- If jaws are too far apart with handles closed after making cut with adjusting screw backed off, tighten adjusting screw as explained above
- To sharpen shear-cut blades (blades that operate, like scissors), remove nicks by filing straight across the cutting edges
- Finish by running a flat file over inner blade surface to remove burrs.

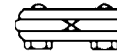
Industrial Grade, Center Cut Cutters



- General plant maintenance tool
- Drop-forged precision ground alloy tool steel jaws with center-cut blades
- Cuts soft, medium, or hard materials
- Maximum hardness of material to be cut: Brinell 455/Rockwell C48
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs hand pressure to 4000 lbs cutting pressure
- Screw-type adjustment realigns edges
- Steel handles with rubber grips
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Soft and Medium Hard Materials (Up to Brinell 300, Rockwell C31)		Replacement Cutter-head/Jaws Cat. No.	Product Weight
					Hard Materials (Up to Brinell 455, Rockwell C48)		
1490MC	037103913777	Boxed	14 in	5/16 in, 8 mm	3/16 in, 5 mm	1413C	3.20 lb
0090MC	037103905529	Boxed	18 in	3/8 in, 10 mm	1/4 in, 6 mm	0013C	3.70 lb
0190MC	037103907134	Boxed	24 in	7/16 in, 11 mm	5/16 in, 8 mm	0113C	6.45 lb
0290MC	037103908094	Boxed	30 in	1/2 in, 13 mm	3/8 in, 10 mm	0213C	10.15 lb
0390MC	037103909336	Boxed	36 in	9/16 in, 14 mm	7/16 in, 11 mm	0313C	16.05 lb
0590MC	037103910790	Boxed	42 in	11/16 in, 18 mm	1/2 in, 13 mm	0513C	8.26 lb

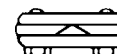
General Purpose Center Cut Bolt Cutters



- Series 2000 Bolt Cutter
- Drop-forged jaws with center-cut blades
- Heat treated for wear resistance and long cutting life
- Cuts soft, and medium/hard materials
- Maximum hardness of material to be cut: Brinell 300/Rockwell C31
- Toggle joints turn 50 lbs hand pressure to 4000 lbs of cutting pressure
- Precision cast, 1-piece, aluminum alloy handles with rubber grips
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Soft and Medium Hard Materials (Up to Brinell 200, Rockwell C15)	Hard Materials (Up to Brinell 300, Rockwell C31)	Replacement Cutterhead/Jaws Cat. No.	Product Weight
1490AC	037103040978	Boxed	14 in	5/16 in, 8 mm	1/4 in, 6 mm	1413AC	2.60 lb
0090AC	037103040985	Boxed	18 in	3/8 in, 10 mm	5/16 in, 8 mm	0013AC	3.55 lb
0190AC	037103040992	Boxed	24 in	7/16 in, 11 mm	3/8 in, 10 mm	0113AC	5.35 lb

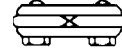
Industrial Grade, Clipper Cut Cutters



- All-purpose jaws with clipper-cut blades for close or flush cutting
- Not for cutting hard materials
- Maximum hardness of material to be cut: Brinell 300/Rockwell C31
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs hand pressure to 4000 lbs cutting pressure
- Screw-type adjustment realigns edges
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Soft and Medium Hard Materials (Up to Brinell 200, Rockwell C15)	Hard Materials (Up to Brinell 300, Rockwell C31)	Replacement Cutterhead/Jaws Cat. No.	Product Weight
1490MNE	037103913784	Boxed	14 in	5/16 in, 8 mm	1/4 in, 6 mm	1413NE	3.10 lb
0090MNE	037103905574	Boxed	18 in	3/8 in, 10 mm	5/16 in, 8 mm	0013NE	3.75 lb
0190MNE	037103907196	Boxed	24 in	7/16 in, 11 mm	3/8 in, 10 mm	0113NE	5.25 lb
0290MNE	037103908124	Boxed	30 in	1/2 in, 13 mm	7/16 in, 11 mm	0213NE	8.50 lb
0390MNE	037103909411	Boxed	36 in	9/16 in, 14 mm	1/2 in, 13 mm	0313NE	15.50 lb

General Purpose, Center Cut Cutters



- All-purpose jaws with center-cut blades
- Cuts soft, medium, and hard metals
- Maximum hardness of material to be cut: Brinell 455/Rockwell C48
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs hand pressure to 4000 lbs cutting pressure
- Screw-type adjustment realigns edges
- Strong, lightweight fiberglass handles
- Very popular cutter
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Soft and Medium Hard Materials (Up to Brinell 300, Rockwell C31)	Hard Materials (Up to Brinell 455, Rockwell C48)	Replacement Cutter-head/Jaws Cat. No.	Product Weight
0090FC	037103905451	Boxed	18-1/4 in	3/8 in, 10 mm	1/4 in, 6 mm	0013C	3.60 lb
0190FC	037103907073	Boxed	24-1/2 in	7/16 in, 11 mm	5/16 in, 8 mm	0113C	5.70 lb
0290FC	037103908032	Boxed	30-1/2 in	1/2 in, 13 mm	3/8 in, 10 mm	0213C	7.50 lb
0390FC	037103909299	Boxed	36-1/2 in	9/16 in, 14 mm	7/16 in, 11 mm	0313C	13.40 lb

Angular Style Cutters



- Angular-style jaws with clipper-cut blades
- 30° offset to keep work in view
- Keeps hands clear of work surface while cutting
- Cuts soft and medium materials
- Maximum hardness of material to be cut: Brinell 300/Rockwell C31
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Soft and Medium Hard Materials (Up to Brinell 200, Rockwell C15)	Hard Materials (Up to Brinell 300, Rockwell C31)	Replacement Cutter-head/Jaws Cat. No.	Product Weight
1490MAF	037103913760	Boxed	14 in	5/16 in, 8 mm	1/4 in, 6 mm	1413AF	3.15 lb
0190MA	037103907127	Boxed	24 in	7/16 in, 11 mm	3/8 in, 10 mm	0113A	5.50 lb
0390MA	037103909329	Boxed	36 in	9/16 in, 14 mm	1/2 in, 13 mm	0313A	13.13 lb

Heavy Duty Cutters - Steel Handles



- Recommended for the most demanding hand cutting applications
- Heavy-duty straps support the jaws
- Maximum hardness of material to be cut: Brinell 455/Rockwell C48
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs hand pressure to 4000 lbs cutting pressure
- Screw-type adjustment realigns edges
- Tubular steel handles
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Hard Metal and Wire Mesh	Reinforcing Rod and Bar	Replacement Cutterhead/ Jaws Cat. No.	Product Weight
0190MCX	037103907165	Boxed	24 in	5/16 in, 8 mm	5/16 in, 8 mm	0113CX	6.40 lb
0290MCX	037103908100	Boxed	30 in	3/8 in, 10 mm	#3 Bar, 3/8 in, 10 mm	0213CX	9.25 lb
0390MCX	037103909350	Boxed	36 in	7/16 in, 11 mm	7/16 in, 11 mm	0313CX	17.50 lb
0590MCX	037103910813	Boxed	42 in	1/2 in, 13 mm	#4 Bar, 1/2 in, 13 mm	0513CX	21.80 lb

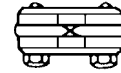
Heavy Duty Cutters - Fiberglass Handles



- Recommended for the most demanding hand cutting applications
- Heavy-duty straps support the jaws
- Maximum hardness of material to be cut: Brinell 455/Rockwell C48
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs hand pressure to 4000 lbs cutting pressure
- Screw-type adjustment realigns edges
- Lightweight, fiberglass handles
- Popular cutter
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Hard Metal and Wire Mesh	Reinforcing Rod and Bar	Replacement Cutterhead/ Jaws Cat. No.	Product Weight
0190FCX	037103907080	Boxed	24 in	5/16 in, 8 mm	5/16 in, 8 mm	0113CX	5.70 lb
0290FCX	037103008060	Boxed	30 in	3/8 in, 10 mm	#3 Bar, 3/8 in, 10 mm	0213CX	9.50 lb
0390FCX	037103909312	Boxed	36 in	7/16 in, 11 mm	7/16 in, 11 mm	0313CX	11.50 lb

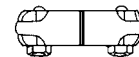
Heavy Duty Cutters with Keeper



- Center cut jaws
- Heavy-duty straps support the jaws
- Cuts hard metals and bolts, rods, bars, ACSR, and ACAR
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs hand pressure to 4000 lbs cutting pressure
- Screw-type adjustment realigns edges
- Swing-away keeper holds EHS guy wire and pre-stressed cable in position
- Prevents cable spreading or deforming, gives complete cut of all strands
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Prestressed EHS Guy Strand, ACSR and ACAR Cable	Replacement Cutterhead/Jaws Cat. No.	Product Weight
0190MCK	037103907141	Boxed	24 in	5/16 in, 8 mm	0113MCK	6.50 lb
0390MCK	037103909343	Boxed	36 in	7/16 in, 11 mm	0313MCK	14.91 lb

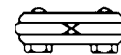
End Cut Nipper



- End-cut blades are at right angles to handles
- Easier handling and head-on, close cutting in confined spaces
- Cuts soft materials
- Maximum hardness of material to be cut: Brinell 200/Rockwell C15
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs hand pressure to 4000 lbs of cutting pressure
- Screw-type adjustment realigns edges
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Soft Steel, Non-Ferrous Material	Wrought Iron	Soft Bolts, Rivets, Screws, Wire	Product Weight
0190ME	037103907172	Boxed	24 in	5/16 in, 8 mm	5/16 in, 8 mm	5/16 in, 8 mm	5.38 lb

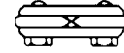
Bolt Cutter/Cable Cutter



- Cuts soft, medium hard, and hard materials
- Cuts metal rod to 7/16" diameter
- Strap cuts wire rope to 1/4" diameter
- Maximum hardness of material to be cut: Brinell 455/Rockwell C48
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs hand pressure to 4000 lbs cutting pressure
- Screw-type adjustment realigns edges
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Soft and Medium Hard Materials (Up to Brinell 300, Rockwell C31)	Hard Materials (Up to Brinell 455, Rockwell C48)	Replacement Cutterhead/Jaws Cat. No.	Product Weight
0190MCS	037103907158	Boxed	24 in	7/16 in, 11 mm	5/16 in, 8 mm	0113MCS	6.40 lb

Heavy Duty Cutters



- Extremely strong, durable tool
- Short-nosed jaws with high-tempered, center-cut blades
- Cuts hard, non-alloy chain
- Maximum hardness of material to be cut: Brinell 455/Rockwell C48
- Lockplate keeps jaws from loosening
- Toggle joints turn 50 lbs hand pressure to 4000 lbs cutting pressure
- Screw-type adjustment realigns edges
- Heavy duty straps
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Hard and Non-Alloy Chain (Up to Brinell 455 Rockwell C48)	Padlocks Non-Alloy	Replacement Cutterhead/Jaws Cat. No.	Product Weight
0190MHC	037103907189	Boxed	24 in	5/16 in, 8 mm	5/16 in, 8 mm	0113HC	6.30 lb
0390MHX	037103909367	Boxed	36 in	7/16 in, 11 mm	7/16 in, 11 mm	0313HCX	16.90 lb
0590MHX	037103910820	Boxed	42 in	1/2 in, 13 mm	1/2 in, 13 mm	0513HCX	18.15 lb

Hand-Operated, Work Station Cutters



0113TN = Notched Shear Cutter



0113C = Center-Cut



0113NE = Clipper-Cut



0113HC = Hard Chain Cutter

- 4 blade styles: shear-cut, center-cut, clipper-cut, and hard chain
- Other cutterheads available on order
- Cuts non-ferrous materials, soft, medium, and hard steel, non-alloy chain, and wire rope
- Maximum hardness of materials to be cut: Brinell/Rockwell 455/C48, and 300/C31
- 21" handle
- Can be mounted to bench or work station
- Base measures 3x6" (76x152mm)
- Weighs 8 lbs. (4 kg)



Cat. No.	UPC No.	Packaging	Brinell Hardness	Rockwell Hardness	Soft Steel, Non-Ferrous Material	Medium Steel Dia.	Hard Steel Dia.	Non-Alloy Chain	Wire Rope	Product Weight
7190C	037103922809	Boxed	400	C48	3/8 in, 10 mm	5/16 in, 8 mm	1/4 in, 6 mm	-	-	8.00 lb
7190HC	037103922830	Boxed	400	C48	-	1/4 in, 6 mm	1/4 in, 6 mm	1/4 in, 6 mm	-	8.50 lb
7190NE	037103922847	Boxed	300	C31	3/8 in, 10 mm	5/16 in, 8 mm	-	-	-	7.80 lb
7190TN	037103922908	Boxed	400	C42	-	-	-	-	3/8, 10 mm	8.50 lb

Shear Type Hand Operated Cable Cutters



- Lightweight, rugged cutter
- Drop-forged, alloy tool steel jaws with shear-cut blades
- Cuts copper or aluminum, power and communications cable
- Fiberglass handles for 2-handed control
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Copper Power Cable	Aluminum Power Cable	Communication Cable	Replacement Cutterhead/Jaws Cat. No.	Product Weight
0290FCS	037103908063	Boxed	25-1/2 in	500 MCM	750 MCM	135 mm	0213CSS	4.90 lb
0390FCS	037103909305	Boxed	32 in	750 MCM	1200 MCM	144 mm	0313FCS	8.00 lb

Shear Type Cable Cutters



- Notched, shear-cut blades hold and lock cable in cutting position
- Cuts steel cable, coarse- or fine-stranded cable with minimal distortion
- Cuts wire rope with minimal distortion
- Toggle joints turn 50 lbs hand pressure to 4000 lbs cutting pressure
- Screw-type adjustment realigns edges
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Wire Rope	Aircraft Cable	Hard Stainless Steel Cable	Replacement Cutterhead/Jaws Cat. No.	Product Weight
1490MTN	037103913807	Boxed	14 in	1/4 in, 6 mm	1/4 in, 6 mm	1/4 in, 6 mm	1413TN	2.80 lb
0190MTN	037103907219	Boxed	24 in	3/8 in, 10 mm	3/8 in, 10 mm	3/8 in, 10 mm	0113TN	5.60 lb
0390MTN	037103909435	Boxed	36 in	5/8 in, 16 mm	5/8 in, 16 mm	5/8 in, 16 mm	0313TN	13.00 lb
0590MTN	037103910875	Boxed	42 in	3/4 in, 19 mm	3/4 in, 19 mm	3/4 in, 19 mm	0513TN	17.90 lb

B Strand Cutter



- Support cable only up to 5/16"
- Notched, shear-cut blades hold and lock cable in cutting position
- Cuts self-supporting steel cable with minimal distortion
- Cuts coarse or fine-stranded cable with minimal distortion
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Capacity	Replacement Cutterhead/Jaws Cat. No.	Product Weight
0190MTQ	037103907233	Boxed	24 in	5/16 in	0113TQ	5.00 lb

ACSR, Wire Rope and Cable Cutter



- An economical tool for general cutting
- Shear-cut blades
- Cuts soft and hard steel cable, wire rope, and small ACSR cable
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Wire Rope	ACSR	Copper, Aluminum	Product Weight
0290FHJ	037103908070	Boxed	28 in	3/8 in, 10 mm	7/16 in, 11 mm	1 in, 25 mm	6.60 lb

Swaging Tool



- For crimping cable ferrules and stops
- Strap cuts wire rope to 1/4"
- Includes sizes 1/16" 3/32" 1/8" 5/32" and 3/16"
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Flat Steel Strap	Product Weight
0190NSL	037103152688	Boxed	1/1625 in	1/16 - 3/16 in	7.00 lb

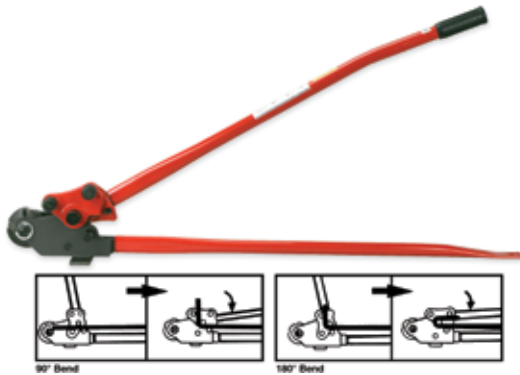
Communications Cable Cutters



- Shear-cut blades give clean, sharp cut with minimal distortion
- Cuts lead - and rubber-covered communications cable only
- Do NOT cut hard cable, ACSR, self-supporting strand, or steel
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Communications Cable Only	Replacement Handle/Blade Assy Cat. No.	Product Weight
0190CSP	037103907066	Boxed	23-1/2 in	1 in, 25 mm	0119CSP	5.25 lb
0390CSP	037103909275	Boxed	37 in	257 mm	0319CSS	12.70 lb

Rebar Cutter and Bender



- Rugged contractor's tool
- Shear-cut blades
- Cuts and bends to 90° or 180°
- Mounts easily on most flat surfaces to enhance leverage and increase safety

Cat. No.	UPC No.	Packaging	Length	Max. Capacity	Replacement Cutterhead/Jaws Cat. No.	Product Weight
0590RBJN	037103222916	Boxed	52 in	5/8 in	0513RBJN	44.00 lb

Compact, Electric Cable Cutter



- High-leverage jaws with shear-cut blades
- Do NOT cut steel or ACSR
- Industrial, non-slip grips
- Compact cutter fits into most tool pouches
- NOT an insulated tool
- Blister packed for easy point-of-purchase display
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Copper Cable	Aluminum Cable	Product Weight
0890CSJ	037103911919	Carded	9-1/2 in	2/0	4/0	0.85 lb

Pocket Wire Rope and Cable Cutter



- Top-quality, pocket-size cutter
- Shear-cut blades
- Excellent cutter for 3/16" hard wire rope or cable
- 1/4" soft wire rope or cable, piano wire, or aircraft cable
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Cable Capacity	Rod Capacity	Product Weight
0690TN	037103911315	Carded	7-1/2 in	3/16 in, 5 mm	3/32 in, 2.4 mm	0.80 lb

Wire Cutter



- Center cut blades
- Cuts mild steel (Brinell 140) (80,000 PSI) to 5/32" diameter
- Cuts hard steel (HRC 44) (208,000 PSI) to 3/32" diameter
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Medium Steel Dia.	Hard Steel Dia.	Product Weight
PWC9	037103925756	Boxed	8-1/2 in	5/32 in, 4 mm	3/32 in, 2.4 mm	0.72 lb

Nut Splitter



- Removes rusted or frozen nuts
- Center-cut blades
- Blades swivel 360° for ease in splitting hard to reach nuts
- Black-oxide, rust-resistant finish
- Plastisol-coated handle
- Place blades across nut at 90° angles
- Turn power screw with impact or hand wrench to split nuts
- Doesn't injure bolt or thread, splits both sides of nut at once
- Replacement adjusting screw with ball: 1338P
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Replacement Blade Cat No.	Capacity	Product Weight
1390PQ	037103913166	Boxed	11-3/4 in	1317PQ (1 each)	Cuts nuts up to 3/4 in (19mm) across flats	3.21 lb

Steel Strap Cutter, 3/4"



- Sheer-cut blades give clean, smooth, easy cuts
- Lower jaw slides under the tightest strapping or staple
- Workhead has black oxide, rust-resistant finish
- Cuts steel strap up to 3/4" wide
- Spring action handles open jaws automatically before and after each cut
- Plastisol® grips
- HKP's most popular strap cutter model
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Flat Steel Strap	Round Steel Tie Wire	Product Weight
0990T	037103912053	Boxed	9 in	3/4 in x .035 in, 19 mm x 1 mm	3/419.080 in, 2 mm	1.25 lb

Steel Strap Cutter, 1-1/4"



- Sheer-cut blades
- Workhead has black oxide, rust-resistant finish
- 1-handed operation gives extra leverage for continuous cuts
- Cuts wide steel strap, quickly and cleanly
- Cushion grip handles
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Flat Steel Strap	Product Weight
1290G	037103912718	Boxed	13212 in	1 1/4 in x .050 in, 32 mm x 1 mm	1.70 lb

Heavy Duty, Steel Strap Cutter, 2"



- Sheer-cut blades
- Cuts heavy steel strapping up to 2"
- Excellent for pallets, loading and unloading freight cars, trucks, ships
- Long-handled, goose neck, 2-hand operated cutter
- Keep hands away from cutting area
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Flat Steel Strap	Product Weight
2690GP	037103916242	Boxed	25124 in	2 in x .050 in, 51 mm x 1 mm	6.80 lb

Handclip Cutter



- Parrot-beak jaw with center-cut blades, to grasp wire and staples
- Cuts wire, cable, and light chain, up to 3/16" diameter
- Soft and medium hard metals up to 1/4" diameter, and medium hard chain link
- Maximum hardness of material to be cut: Brinell 300/Rockwell C31
- Screw-type adjustment realigns edges
- 1-handed operation
- Toolbox and pocket size
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Soft and Medium Hard Materials	Product Weight
0690C	037103911261	Boxed	9 in	3/16 in, 5 mm	0.80 lb

Slotted Angle Iron Shear



- Used to make braces, shelves, and tables
- Lightweight, portable shear
- Shear-cut blades
- Cuts pre-drilled and slotted angles up to 45° on either leg
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Capacity	Replacement Blades Lower Cat No.	Replacement Blades Upper Cat No.	Product Weight
2790HKP	037103916556	Boxed	338 in	3 in x 1 1/2 in x 1/8 in	2710HK	2711HK	17.70 lb

Ratchet-type One Hand Operated Soft Cable Cutter



- Compact size cutter
- Ratchet-type jaws with shear-cut blades
- Cuts copper and aluminum cleanly, leaves no burrs or sharp edges
- Quick release allows discontinuation of cutting
- Stop operation without completing the full cutting cycle
- 1-hand operation allows cutting in confined spaces
- Patented ratchet design
- Fits in toolbox or on tool belt
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Frequent Use Copper	Frequent Use Aluminum	Maximum Capacity Copper	Maximum Capacity Aluminum	Product Weight
3590FS	037103001474	Carded	9 in	500 MCM	600 MCM	600 MCM	750 MCM	1.40 lb
5090FS	037103001481	Carded	10-1/2 in	600 MCM	1000 MCM	750 MCM	1000 MCM	2.86 lb

Compact Ratcheting Cable Cutter



- Compact, lightweight cutter, for confined spaces
- Ratchet-type jaws with shear-cut blades
- Blades grip and hold while moderate pumping action cuts cable
- Both blades cut and Leaves no burrs or sharp edges
- Fiberglass handles with non-slip, plastic grips
- Cutter has self-lubricating ratchet and only 6 moving parts
- Note 1: MCM capacity does not include cable insulation
- Note 2: MCM capacity equates to conductor size only
- Repair Kit: 6912FHA
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Communication Cable	Copper Cable	Aluminum Cable	Single Core ACSR	Three Core ACSR	Product Weight
6990FHL	037103134394	Boxed	19 in	-	-	-	653 MCM	336 MCM	4.50 lb
6990FS	037103922526	Boxed	14 in	1-3/16 in, 30 mm	500 MCM	795 MCM	-	-	4.15 lb
6990FSL	037103925787	Boxed	19 in	1-3/16 in, 30 mm	750 MCM	795 MCM	-	-	4.50 lb

Ratchet Type, Soft Cable Cutter



- Jaw keeper prevents jaws from spreading while under heavy load
- Cuts copper and aluminum communications power cable up to 2"
- Improved heavy duty jaw design
- Built for tough conditions
- Ratchet provides up to 5x's the mechanical advantage over manual cutters
- Cuts all types of copper and aluminum cables up to 2500MCM
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Copper and Aluminum Cable, All Types	Replacement Cutterhead/Jaws Cat. No.	Product Weight
8690FSK	037103060105	Boxed	27-1/2 in	2 in, 51 mm	8613FSK	12.60 lb

Ratchet Type, Soft Cable Cutter



- Shear-cut blades give fast, smooth, shearing cuts
- Cuts copper, aluminum
- Cuts rubber covered or lead covered power and communications cable to 3"
- Ratchet and chain apply increased cutting pressure
- Gives increased mechanical advantage over manual cutters
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Copper and Aluminum Cable, Power/Comm. Cable	Replacement Cutterhead/Jaws Cat. No.	Product Weight
8690CS	037103095411	Boxed	29-3/4 in	3 in, 73 mm	8613CS	12.60 lb

Ratchet-Type, Hard Cable Cutter



- Jaw keeper prevents jaws from spreading while under heavy load
- Shear-cut blades
- Ratchet and chain increase cutting pressure as handles open and close
- Cuts hard cable, ACSR, ACAR, ZEBRA, and self-supporting telephone cable
- Moderate pressure needed to open and close handles
- Can be used effectively with short strokes in confined spaces
- Increased mechanical advantage over manual cutters
- Not recommended for cutting insulated copper or aluminum cable
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	ACSR, ACAR, ZEBRA, and Telephone Cable (Self Supporting)	Replacement Cutterhead/Jaws Cat. No.	Product Weight
8690FH	037103923509	Boxed	29-1/4 in	1-3/16 in, 30 mm	8613FH	12.40 lb

Ratchet Type, Guy Strand Cutter



- Notched shear-cut blades hold material firmly in place
- Ratchet and chain produce easy, progressive cuts
- Cuts EHS guy strand, mild steel rods and bolts, and similar materials
- Makes clean, square cuts with minimal distortion
- Increased mechanical advantage over manual cutters
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	EHS Guy Strand	Common Guy Strand	Replacement Cutterhead/Jaws Cat. No.	Product Weight
8690CK	037103923493	Boxed	28 in	1/2 in, 13 mm	1/2 in, 13 mm	8613CK	10.34 lb

Ratchet Type, Wire Rope Cutter



- Ratchet-type jaws with notched shear-cut blades
- Blades hold and lock material in place
- Cuts aircraft cable, EHS guy strand, wire rope and stainless steel cable
- Increased mechanical advantage over manual cutters
- Cuts all strands with minimal crushing or distortion
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	EHS Guy Strand	Aircraft Cable, Hard Stainless Steel Cable	Replacement Cutterhead/Jaws Cat. No.	Product Weight
8690TN	037103923547	Boxed	36 in	5/8 in, 16 mm	5/8 in, 16 mm	8613TN	11.00 lb

Ratchet Type, Soft Cable Cutters



- Jaws with shear-cut blades with special pivoting handle
- Handle allows cutterhead to be opened to maximum width
- Cuts copper and aluminum, power and communications cable
- Specially designed to cut conductors with large insulation
- Maximum handle spread of 22" for working in confined spaces
- Advanced cutter gives mechanical advantage of over 50 to 1
- For special applications contact customer service department
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Copper and Aluminum Cable, Power/Comm. Cable	Replacement Cutterhead/Jaws Cat. No.	Product Weight
8790CS	037103923677	Boxed	3 in, 73 mm	8713CS	12.00 lb
8790FSK	037103084736	Boxed	2 in, 51 mm	8713FSK	12.00 lb

Linkmaster® Heavy Duty



- Linkmaster® heavy-duty model
- Heat-treated, alloy steel jaws
- Opens and closes tire chain cross links
- Toggle joints turn 50 lbs hand pressure to 4000 lbs cutting pressure
- All steel handles
- Makes repairs quickly and easily
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Replacement Cutterhead/Jaws Cat. No.	Product Weight
0390MLN	037103909404	Boxed	30 in	0313LKN	8.00 lb

Linksem® Intermediate



- Strong, rugged, compact, lightweight cutter
- Opens and closes tire chain cross links ON or OFF the tire
- Cushion grip handles
- Individually packaged with instructions
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Capacity Link Diameter	Product Weight
1390L	037103913135	Boxed	13 in	5/16 in, 8 mm	1.35 lb

Net-Link Closer for Closing Chain Links



- Used on commercial fishing boats and dragners for net and mooring chains
- Designed to close heavy chain link
- Toggle joints turn 50 lbs hand pressure to 4000 lbs cutting pressure
- Screw-type adjustment realigns edges
- Replacement cutterhead: 0213LC
- NEVER use any H.K. Porter cutters on energized circuits, wire, or cable!

Cat. No.	UPC No.	Packaging	Length	Capacity Link Diameter	Replacement Cutterhead/Jaws Cat. No.	Product Weight
0290MLC	037103908117	Boxed	30 in	3/8 in, 10 mm	0213LC	7.80 lb

3/8" (#3) and 1/2" (#4) Extendable Indexing Rebar Bender



- Dual Use Head Allows Bending for Both #3 and #4 Rebar
- Extra-Sturdy Steel Handles for the Toughest Conditions
- Push Button Extends Bender to 35 inches for Maximum Leverage; Collapses to Just 21 inches for Convenient Storage and Portability
- Super-Strong Indexing Head Grips Rebar Securely for Accurate Bends
- 14-Position Indexing Head Adjusts with Center Push Button to Allow Total Access for Maximum Leverage

Cat. No.	UPC No.	Packaging	Length	Capacity	Product Weight
RB4	037103248770	Boxed	22-3/4 in, 35 in	3/8 in, 1/2 in	4.70 lb

5/8" (#5) Indexing Rebar Bender



- 14-Position Indexing Head Adjusts with Center Push Button to Allow Total Access for Maximum Leverage
- Extra-Sturdy Steel Handles for the Toughest Conditions
- Super-Strong Indexing Head Grips Rebar Securely for Accurate Bends

Cat. No.	UPC No.	Packaging	Length	Capacity	Product Weight
RB5	037103248787	Boxed	44-1/4 in	5/8 in	8.75 lb

3/4" (#6) Indexing Rebar Bender



- 14-Position Indexing Head Adjusts with Center Push Button to Allow Total Access for Maximum Leverage
- Extra-Sturdy Steel Handles for the Toughest Conditions
- Super-Strong Indexing Head Grips Rebar Securely for Accurate Bends

Cat. No.	UPC No.	Packaging	Length	Capacity	Product Weight
RB6	037103248794	Boxed	44-1/4 in	3/4 in	8.75 lb

How is the HKP Rebar Bender
SUPERIOR to a hickey bar?



LET US COUNT THE WAYS.

1 HKP's increased length and versatility increases leverage and allows for more **comfortable rebar bending operation**

2 HKP's RB4 is 35" long when extended for **increased leverage** and better positioning

3 When collapsed, the RB4 is 21" short, allowing for **easier storage**

4 HKP Rebar Benders have **14 different lockable positions** for just the right amount of leverage and strength

5 HKP provides an exact fit for #3 and #4 sizes of rebar which creates a **better fit and eliminates play** in bending action

6 All models of HKP Rebar Benders have **knurled handles** for a more secure grip

7 **More Innovation**
Better Price

Massive Power.

Convenient. Strong. Built to get the job done, fast.





The global leader in precision tool and work holding devices for stationary equipment and portable power tools.

- Portable Tool Chucks
- Special Purpose Chucks
- Chuck Keys & Accessories

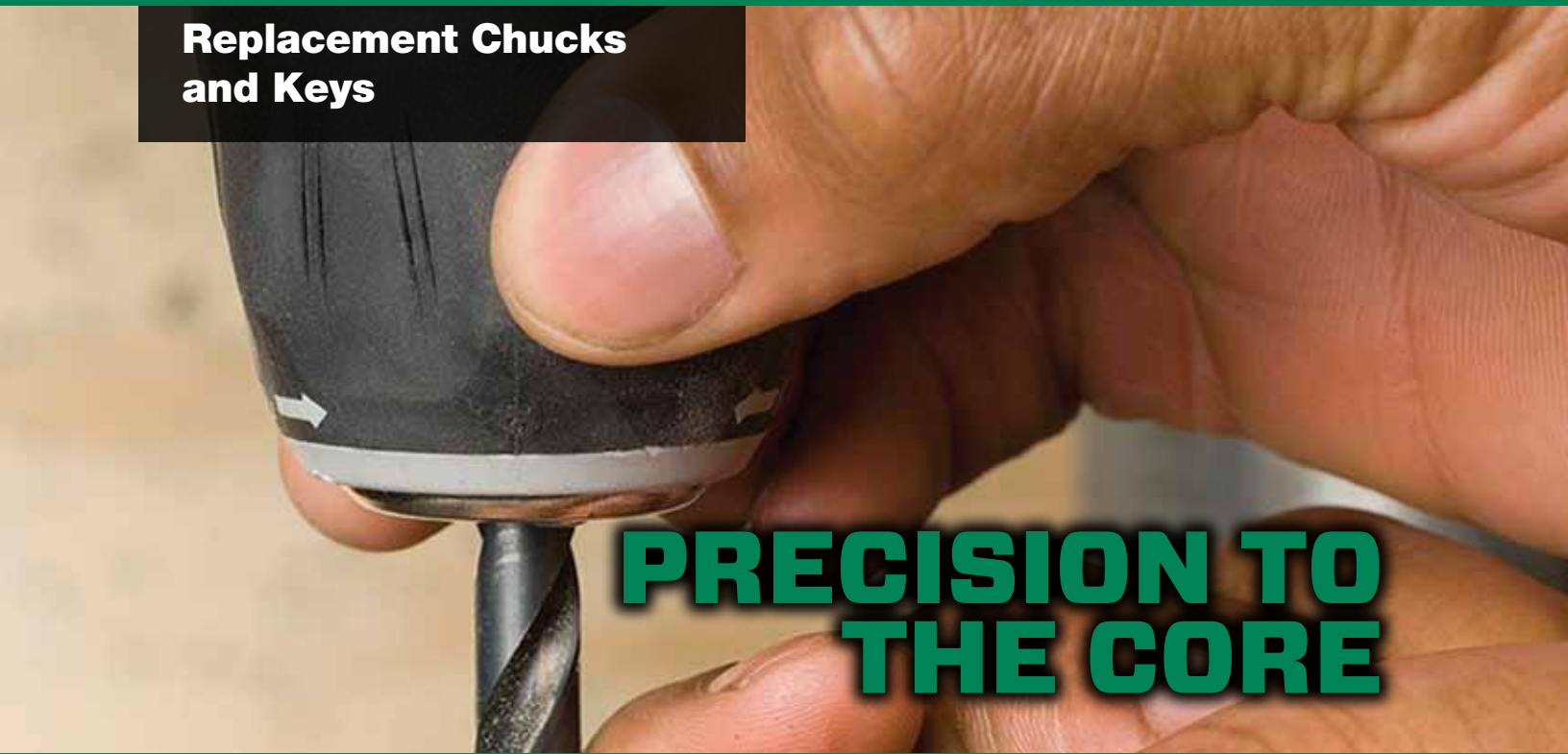




Jacobs® chucks, high precision tool holders, arbors, and related accessories have made Jacobs the leading brand of precision tool holding and work holding devices. Our commitment to excellence and innovation and continued investment in research and development provide us with the ability to maintain this leadership position.



Replacement Chucks and Keys



PRECISION TO THE CORE

- **Rugged Construction** from high performance material to maximize durability and performance
- **High Quality Material and Surface Finish Combinations** result in increased comfort and performance
- **Superior Gripping Force** provides high mechanical advantage to convert hand tightening torque into superior bit gripping force
- **Through-Hardened Jaws** for hard, wear-resistant gripping surface
- **Split Bite Jaw** increases grip over standard bite chucks by providing more contact with the bit on Hand-Tite® keyless chucks
- **Anti-Lock Nut** prevents chuck from locking open on Hand-Tite® keyless chucks



High Quality Material and Surface Finish Combinations



Through-Hardened Jaws

Mounting and Removing Chucks

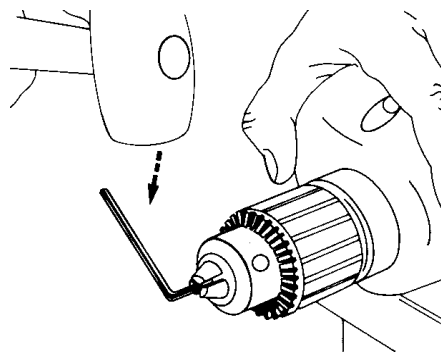
THREADED AND PORTABLE TOOLS

TO MOUNT CHUCKS:

Thread chuck on the spindle by hand so that the back of the chuck seats firmly against the mounting surface provided on the portable tool spindle.

TO REMOVE CHUCKS:

Chucks with threaded mounts can be identified by the letters "B" or "BA" in the model number (1B, 41BA). "BA" model chucks may have a left hand thread retaining screw through the chuck body into the tool spindle. Remove retaining screw through the chuck jaw hole opening, turn screw clockwise and proceed as described for "B" model chucks. "B" model chucks may be removed from a threaded spindle by tightening the chuck jaws around a hex key and striking the key with a sharp blow in a counter-clockwise direction, using a wooden or rubber hammer (Illus. A).



Illus. A

Hand-Tite® Keyless Drill Chucks



- Split Bite Jaw: Increases Grip Over Standard Bite Chucks By Providing More Contact with the Bit
- Superior Gripping Force: Provides High Mechanical Advantage to Convert Hand Tightening Torque Into Superior Bit Gripping Force
- Hammerlock® Mechanism: Positive Locking Mechanism Prevents Loosening in Hammer and Other High Vibration Applications
- Anti-Lock Nut: Prevents Chuck From Locking Open
- Versatility: Models Available to Fit All 10mm (3/8") and 13mm (1/2") Variable Speed Corded and Cordless Portable Drills
- Precision Operation: Meet or Exceed Stringent DIN Run-Out and Dimensional Specifications
- Ergonomic Design: Material and Surface Finish Combinations Result in Increased Comfort and Performance
- Rugged Construction: Constructed of High Performance Material to Maximize Durability and Performance

Cat. No.	UPC No.	Packaging	Model No.	Min. Capacity	Max. Capacity	Mount	Closed Length	Sleeve Dia.	Product Weight
30354	095456303546	Carded	510-2H	0.040 in	0.375 in	3/8-24	2.00 in	1.68 in	0.50 lb
31037D	095456310377	Carded	513-2M	0.062 in	0.500 in	3/8-24	2.9 in	1.68 in	0.63 lb
31038D	095456310384	Carded	513-2M	0.062 in	0.500 in	1/2-20	2.9 in	1.68 in	0.70 lb
30353D	095456303539	Carded	30353D	0.040 in	0.375 in	3/8-24	2.00 in	1.67 in	0.465 lb

Soft Grip Keyless Drill Chucks



- 1/2-Inch capacity (13 mm)
- 1/2 - 20 Threaded mount
- Patented Soft Grip sleeve for easier tightening and better grip torque
- Patented ratcheting locking mechanism
- More comfortable

Cat. No.	UPC No.	Packaging	Min. Capacity	Max. Capacity	Mount	Product Weight
31048D	095456310483	Carded	0.062 in	0.500 in	1/2-20	0.65 lb

Professional Duty Chucks



- Industrial Quality
- Through-Hardened Jaws Provide Hard, Durable Gripping Surfaces
- One-Piece Sleeve Eliminates Crack Between Driving Teeth Often Found in Other Designs
- Fluted Sleeve Finish
- Each Chuck 100% Inspected for Performance and Precision

Cat. No.	UPC No.	Packaging	Model No.	Min. Capacity	Max. Capacity	Mount	Key No.	Closed Length	Open Length	Sleeve Dia.	Product Weight
31052D	095456310520	Carded	26BA-1/2	0.063 in	0.5 in	1/2-20	KK	3 in	2.3 in	1.72 in	1.38 lb
30246D	095456302464	Carded	41BA-3/8	0.063 in	0.375 in	3/8-24	K30	2.42 in	1.89 in	1.42 in	0.31 lb

Industrial Keyed Chuck



- Jaws Center-Ground for Absolute Straightness and Alignment
- One-Piece Sleeve Eliminates Crack Between Driving Teeth Often Found in Other Designs
- Through-Hardened Sleeve Teeth, Plus Hardened Nose and Keyholes Provide Outstanding Wear Resistance
- Each Chuck 100% Inspected for Performance and Precision
- T.I.R. 0.004" Maximum at Half Capacity
- KD Models Have Keyed Drive Feature
- All Model 33 Plain Bearing Chucks are Hammer Capable.

Cat. No.	UPC No.	Packaging	Model No.	Min. Capacity	Max. Capacity	Mount	Key No.	Closed Length	Open Length	Sleeve Dia.	Product Weight
6279D	095456062795	Boxed	33	0.08 in	0.500 in	33JT	K32	3.210 in	2.520 in	1.792 in	1.16 lb
6287D	095456062870	Boxed	33BA 1/2	0.08 in	0.500 in	1/2-20	K32	3.09 in	2.43 in	1.79 in	1.06 lb
14445	095456144453	Boxed	34-33	0.040 in	0.500 in	33JT	K3	3.52 in	2.74 in	2.04 in	1.72 lb

Multi-Craft® Drill Chuck



- Offered in 1/4", 3/8" and 1/2" Capacities
- Through-Hardened Jaws for Hard, Wear Resistant Gripping Surfaces

Cat. No.	UPC No.	Packaging	Min. Capacity	Max. Capacity	Mount	Key No.	Closed Length	Open Length	Sleeve Dia.	Product Weight
30243D	095456302433	Boxed	0.028 in	0.25 in	3/8-24	KG1	2.02 in	1.575 in	1.13 in	0.30 lb
30247D	095456302471	Boxed	0.062 in	0.375 in	3/8-24	KG1	2.312 in	1.85 in	1.22 in	0.70 lb
30598	095456305984	Boxed	0.078 in	0.5 in	3/8-24	KK	2.855 in	2.25 in	1.61 in	0.65 lb
30602	095456306028	Boxed	0.078 in	0.5 in	1/2-20	KK	2.855 in	2.25 in	1.61 in	0.16 lb

Adapt-A-Drive® Chuck



- Easy Conversion-Integral Hex Mount Locks the Adapt-A-Drive Chuck Into the Screwdriver Bit Socket
- Ideal for Use in Starting Screw Holes for Use in Hard-To-Reach Spaces

Cat. No.	UPC No.	Packaging	Min. Capacity	Max. Capacity	Mount	Key No.	Sleeve Dia.	Product Weight
30248D	095456302488	Carded	0.028 in	0.25 in	0.250" Hex	KG1	1.13 in	0.45 lb

Drain Chuck



- Specifically Designed for Use with Flexible Coil Spring Tools. Allows Coil Spring to Pass Through Chuck
- Idea for Soil Pipe and Sewer Cleaning Tools

Cat. No.	UPC No.	Packaging	Model No.	Min. Capacity	Max. Capacity	Mount	Key No.	Open Length	Sleeve Dia.	Closed Length	Product Weight
30726	095456307261	Carded	DC4595	0.25 in	0.5 in	13/16-20	--	2.49 in	1.7 in	2.49 in	0.28 lb

Chuck Keys



- Nickel Thumb Grip Styles Increase Leverage and User Comfort
- Soft Steel Handles Limit the Potential for Dangerous Fracturing Under Excessive Load
- Self-Ejecting Models with Spring-Loaded Ejectors Ensure Key Disengagement After Tightening
- Never Apply Extensions, Pliers, Wrenches or 'Cheaters' of Any Kind to Chuck Key Handles
- Do Not Subject Chuck Key Handles to Hammer or Other Impact Blows

Cat. No.	UPC No.	Packaging	Model No.	Pilot Size	Used On	Handle Style	No. Teeth	Product Weight
3655DD	095456036550	Carded	K4	3/8 in	36, 16, 18N	Thumb Handle	12	0.34 lb
3659D	095456036598	Bagged	K7	7/32 in	7 Series	Thumb Handle	11	0.06 lb
30136DD	095456301368	Bagged	K3	5/16 in	3, 34 SERIES & 14N	Thumb Handle	11	0.235 lb
30249	095456302495	Bagged	KG1	1/4 in	1/4 & 3/8 MULTI-CRAFT	T-handle	11	0.05 lb
30250	095456302501	Bagged	KK	9/32 in	1/2 MULTI-CRAFT	T-handle	10	0.135 lb
30251	095456302518	Bagged	K32	1/4 in	32, 33 SERIES & 11N	Thumb Handle	10	0.16 lb
30605	095456306059	Bagged	KGA	1/4 in	1/4 & 3/8 MULTI-CRAFT	L-handle	11	0.06 lb
30825D	095456308251	Bagged	K30	15/64 in	31 SERIES & 8-1/2N	Thumb Handle	10	0.10 lb
30827D	095456308275	Carded	-	13/64 in	1/4 & 3/8" chucks	T-handle	11	0.07 lb

Key Leashes



- Jacob's chuck key leash is made of durable rubber
- Resists cracking and breaking
- Attaches chuck key to drill cord
- Fits most chuck keys and drill cords

Cat. No.	UPC No.	Packaging	Model No.	Product Weight
30259D	095456302594	Carded	Model B	0.035 lb
30253DD	095456302532	Carded	Universal	0.30 lb

Lufkin[®]

Tough and accurate
measuring products built
for the professional
tradesman

- Power Tapes
- Long Tapes
- Surveying Tapes
- Rules
- Measuring Wheels



Lufkin



Ever since the first Lufkin® wood rule was produced in 1869, the Lufkin brand has been synonymous with high quality and unmatched accuracy. Today, Lufkin wood rules, power tapes, engineering and surveying tapes, specialty tapes and measuring wheels comprise one of the widest selections of measuring products available from any manufacturer.

For over a century, Lufkin® tapes have been recognized as the standard for accuracy and high quality. Lufkin® steel tapes are manufactured to government standards traceable to the U.S. Department of Commerce, National Institute of Standards and Technology. Periodically, these standards are recalibrated with renewed certification by the N.I.S.T.

Introducing the Control Series

MAXIMUM CONTROL

AT YOUR FINGERTIPS

- **Drag Strip™** feature provides finger access for retraction control and faster measuring
- **Rigid Extra-Wide Blade** provides superior support so you can reach further (10' of standout) and not have to pull someone off their work to help hold your tape
- **Wide End Hook** holds better and allows tape to roll on the curve so measurements are in contact with the work surface and marking is easier
- **Four-Rivet End-Hook** has triple-reveted steel reinforcement
- **Integrated D-Ring** for tether strap or easy hanging storage
- **Durable Molded Case** allows for added control and grip

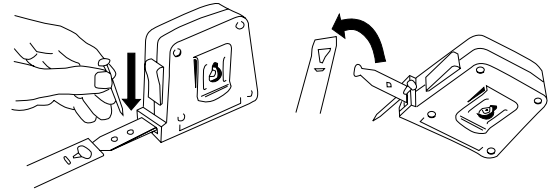


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TECH INFORMATION

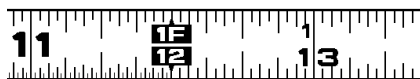
How to Change Short Tape Blades

1. Pull old blade out past end until about 2" of bluish metal spring is exposed. Put a nail in round hole (A) in spring to hold it.
2. Note how old blade is attached, then remove it.
3. New blade is reverse wound, ready to attach to spring. With blade graduations up, turn spring sideways and insert from bottom into slot (B) in new blade. Twist spring and pull back until notches (C) lock at rear of slot (B).
4. Remove nail and return blade to case.



Short Tape Blade Styles

A1 YELLOW CLAD



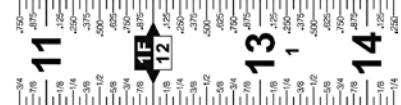
- 1/2" width only
- Black and red markings one side only
- Graduated feet and inches to 1/16ths top edge
- Graduated inches to 1/16ths bottom edge, first 12 inches to 1/32nds
- Instantaneous foot readings
- Stud marks every 16"

A2 YELLOW CLAD



- 3/4" width only
- Black and red markings one side only
- Graduated feet and inches to 1/16ths top edge
- Graduated inches to 1/16ths bottom edge, first 12" to 1/32nds
- Instantaneous foot readings
- Stud marks every 16"

A3 YELLOW CLAD



- 3/4" and 1" widths
- Graduated feet and inches to 1/16ths top and bottom edge
- Vertical numbering
- Fractional and decimal equivalent marking
- Stud marks every 16"

A4 YELLOW CLAD



- 3/4" and 1" widths
- Graduated feet, 1/10ths and 1/100ths top edge; feet, inches and 1/16ths on bottom edge
- Instantaneous foot readings
- NOTE: 1" width has red and black markings; 3/4" has black markings only
- Stud marks every 16"

A5 YELLOW CLAD



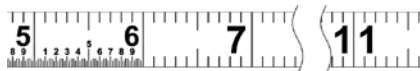
- 1-3/16" and 1" widths
- Black and red markings one side only
- Consecutive inches to 16ths
- Stud marks every 16"
- Truss marks every 19.2"
- Instantaneous foot readings

A6 CHROME CLAD®



- 1/2" width only
- Chrome Clad® blade
- Black markings one side only
- Graduated to 1/10ths of inches on both edges

A7 YELLOW CLAD



- 1/2" width only
- Black markings one side only
- Graduated to 1/10ths of inches on both edges
- First 6" on bottom edge graduated to 1/50ths

A8 CHROME CLAD®



- 1/2" width only
- Chrome Clad® blade
- Black markings one side only
- Graduated consecutive inches and 1/16ths on top and bottom edges

A9 YELLOW CLAD



- Available in 13mm, 19mm and 25mm widths
- Black and red markings one side only
- Both edges graduated to millimeters; numbered consecutive centimeters with larger red numbers at each decimeter

TECH INFORMATION

A11 YELLOW CLAD



- 1/2"/13mm width only
- Black and red markings one side only
- Top edge graduated and numbered inches
- Bottom edge to millimeters, numbered consecutive millimeters with red number at each decimeter

A16 YELLOW CLAD



- 1/4" width only
- Black markings one side only
- Consecutive inches to 1/16ths bottom edge, first 12" to 1/32nds
- Stud marks every 16" and 40cm

A19 YELLOW CLAD



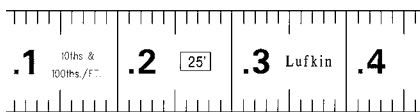
- 1/4" width only
- Markings both sides
- Consecutive inches to 1/16ths, first 12" to 1/32nds on side 1
- Diameter inches to 1/100ths side 2; blank space ahead of zero

A29 YELLOW CLAD



- 3/4"/19mm and 1"/25mm widths
- Black and red markings one side only
- Graduated millimeters on top edge and feet
- 1/10ths and 1/100ths on bottom edge

A35 YELLOW CLAD



- 1" width only
- Black and red markings one side only
- Graduated in feet, 1/10ths and 1/100ths of feet, numbered in feet and 10ths of feet

A12 YELLOW CLAD



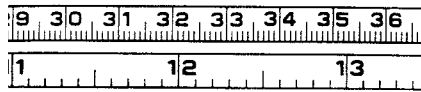
- 3/4"/19mm width
- Black and red markings one side only
- Top edge graduated and numbered inches (no stud centers); bottom edge graduated in millimeters, numbered consecutive millimeters with red number at each decimeter
- Stud marks every 16" and 40cm

A17 YELLOW CLAD



- 1/4"/6mm width only
- Black markings one side only
- Top edge graduated in inches to 1/16ths
- Bottom edge graduated in millimeters, numbered in centimeters; 1 to 9 in each decimeter

A20 YELLOW CLAD



- 6mm width only
- Markings both sides
- Consecutive centimeters to millimeters on side 1
- Diameter to millimeters side 2, numbered in centimeters

A30 YELLOW CLAD



- 1"/25mm width only
- Markings one side only
- English top edge to 1/16ths, first 12" to 1/32nds, (continuous inches plus consecutive inch marks within each foot from 1' mark). Truss marks every 19.2"
- Metric bottom edge graduated to millimeters, numbered consecutive centimeters

A36 YELLOW CLAD



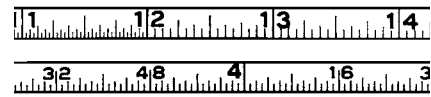
- 1/2" width only
- Black and red markings one side only
- Top edge numbered every 10 millimeters with red print for every 100cm increment and graduations every millimeter. Bottom edge numbered in consecutive inches graduated in 1/10ths of an inch with first 12" graduated to 1/50ths and numbered in 10ths

A13 YELLOW CLAD



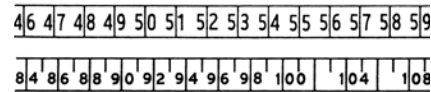
- 1/2"/13mm and 3/4"/19mm widths
- Black and red markings one side only
- Top edge to 1/16ths, continuous inches; feet and decimeters marked in red
- Bottom edge graduated to millimeters, numbered consecutive centimeters

A18 YELLOW CLAD



- 1/4" width only
- Black markings both sides
- Consecutive inches to 1/16ths, first 12" to 1/32nds on side 1
- Diameter inches to 1/64ths side 2; blank space ahead of zero

A21 YELLOW CLAD



- 1/4" width only
- Black markings both sides
- One side marked 1/4th scale (1 to 240), other side has 1/8th scale (1 - 480)

A31 YELLOW CLAD



- 1/2" width only
- Black and red markings on one side only
- Graduated to 1/16ths on top edge graduated in 1/32nds
- 1/10ths on bottom edge; first 6 inches graduated in 1/50ths

A37 YELLOW CLAD



- 1" width only
- Black and red markings one side only
- Top edge graduated to 1/16ths, and numbered in consecutive inches and fractional equivalents to 1/8ths.
- Bottom edge with red print numbered at the mid-point of the measurement on the top edge

Series P1000



- Hi-Viz® Orange Case - Easy to Find on the Job
- Rubber Cushion Case Exterior Protects Tape From Impact and Improves Grip
- Fits Easily Into Most Tape Holsters
- Bright Yellow Blade Has Clear Easy-To-Read Numerals
- Toggle Lock is Positioned for Convenient Operation
- Holds the Blade Securely in Any Position
- Cushioned Blade Return

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
PHV1433	037103252081	Carded	Hi-Viz® Orange	1 in	33 ft	A5	None	1.34 lb
PHV1433DM	037103252098	Carded	Hi-Viz® Orange	25 mm, 1 in	10 m, 33 ft	A29	None	1.34 lb
PHV1410CME	037103252074	Carded	Hi-Viz® Orange	25 mm, 1 in	10 m, 33 ft	A30	None	1.34 lb
PHV1430	037103269430	Carded	Hi-Viz® Orange	1 in	30 ft	A5	None	0.76 lb
PHV1049CME	037103269447	Carded	Hi-Viz® Orange	25 mm, 1 in	9 m, 30 ft	A30	None	0.76 lb
PHV1425	037103252005	Carded	Hi-Viz® Orange	1 in	25 ft	A5	None	1.07 lb
PHV1425D	037103252012	Carded	Hi-Viz® Orange	1 in	25 ft	A4	None	1.07 lb
PHV1425ED	037103252029	Carded	Hi-Viz® Orange	1 in	25 ft	A35	None	1.07 lb
PHV1048CM	037103251978	Carded	Hi-Viz® Orange	25 mm	8 m	A9	None	1.07 lb
PHV1048CME	037103251985	Carded	Hi-Viz® Orange	25 mm, 1 in	8 m, 26 ft	A30	None	1.07 lb
PHV1048DM	037103251992	Carded	Hi-Viz® Orange	1 in	25 ft	A29	None	1.07 lb
PHV1316	037103251930	Carded	Hi-Viz® Orange	3/4 in	16 ft	A2	RW316	0.62 lb
PHV1035CM	037103251916	Carded	Hi-Viz® Orange	19 mm	5 m	A9	None	0.62 lb
PHV1035CME	037103251923	Carded	Hi-Viz® Orange	19 mm, 3/4 in	5 m, 16 ft	A13	RY35CME	0.62 lb
PHV1312	037103251848	Carded	Hi-Viz® Orange	3/4 in	12 ft	A2	R1312	0.60 lb
PHV1312D	037103251855	Carded	Hi-Viz® Orange	3/4 in	12 ft	A4	None	0.60 lb
PHV1034CME	037103251824	Carded	Hi-Viz® Orange	19 mm, 3/4 in	4 m, 13 ft	A13	None	0.60 lb
PHV1034DM	037103251831	Carded	Hi-Viz® Orange	19 mm, 3/4 in	3.7 m, 12 ft	A29	None	0.60 lb
PHV1012	037103251770	Carded	Hi-Viz® Orange	1/2 in	12 ft	A1	RY212	0.32 lb
PHV1024CME	037103251787	Carded	Hi-Viz® Orange	13 mm, 1/2 in	4 m, 13 ft	A13	None	0.32 lb
PHV1010	037103251701	Carded	Hi-Viz® Orange	1/2 in	10 ft	A1	RY210	0.29 lb
PHV1023CM	037103251718	Carded	Hi-Viz® Orange	13 mm	3 m	A9	None	0.29 lb
PHV1023CME	037103251725	Carded	Hi-Viz® Orange	13 mm, 1/2 in	3 m, 10 ft	A13	RY23CME	0.29 lb

Series P2000



- Case Designed to Fit Perfectly in the Hand
- Lightweight, High Strength Chrome Finished Case
- Fits Easily Into Most Tape Holsters
- Bright Yellow Blade Has Clear Easy-To-Read Numerals
- Toggle Lock Positioned for Convenient Operation, Holds Blade Securely
- Cushioned Blade Return
- Removable Belt Clip

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
P2133	037103252067	Carded	Chrome	1 in	33 ft	A5	None	1.72 lb
P2133D	037103252043	Carded	Chrome	1 in	33 ft	A4	None	1.72 lb
P2410CME	037103252050	Carded	Chrome	25 mm, 1 in	10 m, 33 ft	A30	None	1.72 lb
P2125	037103251954	Carded	Chrome	1 in	25 ft	A5	None	1.07 lb
P2048CME	037103251961	Carded	Chrome	25 mm, 1 in	8 m, 26 ft	A30	None	1.07 lb
P2316	037103251909	Carded	Chrome	3/4 in	16 ft	A2	RW316	0.62 lb
P2335ME	037103251893	Carded	Chrome	19 mm, 3/4 in	5 m, 16 ft	A12	RY35ME	0.62 lb
P2035CM	037103251879	Carded	Chrome	19 mm	5 m	A9	None	0.60 lb
P2035CME	037103251886	Carded	Chrome	19 mm, 3/4 in	5 m, 16 ft	A13	RY35CME	0.60 lb
P2312	037103251817	Carded	Chrome	3/4 in	12 ft	A2	R2312	0.60 lb
P2312D	037103251800	Carded	Chrome	3/4 in	12 ft	A4	None	0.60 lb
P2034CME	037103251794	Carded	Chrome	19 mm, 3/4 in	4 m, 13 ft	A13	None	0.60 lb
P2212	037103251763	Carded	Chrome	1/2 in	12 ft	A1	RY212	0.32 lb
P2212X	037103251756	Carded	Chrome	1/2 in	12 ft	A7	None	0.32 lb
P2212DX	037103251749	Carded	Chrome	1/2 in	12 ft	A31	None	0.32 lb
P2024CME	037103251732	Carded	Chrome	13 mm, 1/2 in	4 m, 13 ft	A13	None	0.32 lb
P2210	037103251695	Carded	Chrome	1/2 in	10 ft	A1	RY210	0.29 lb
P2210MEX	037103251671	Carded	Chrome	13 mm, 1/2 in	3 m, 10 ft	A36	None	0.29 lb
P2223CME	037103251688	Carded	Chrome	13 mm, 1/2 in	3 m, 10 ft	A13	RY23CME	0.29 lb

Quickread® Power Tapes



- Graduations Printed in Fractions and Decimal Equivalents
- Rubber Cushion Case Exterior Protects Tape From Impact and Improves Grip
- Positive Toggle Lock Holds Blade Securely at Any Length
- Self-Compensating End Hook for Inside and Outside Measurements
- Durable ABS Case Withstands Rugged Use on the Job Site
- Built in Bumper Reduces Shock When Blade is Retracted
- Blade Style: A3

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
PQR1312	037103251862	Carded	Hi-Viz® Orange	3/4 in	12 ft	A3	None	0.60 lb
PQR1316	037103251947	Carded	Hi-Viz® Orange	3/4 in	16 ft	A3	None	0.62 lb
PQR1425*	037103252036	Carded	Hi-Viz® Orange	1 in	25 ft	A3	None	1.07 lb

* Patented End Hook Lasts 10 Times Longer Than Ordinary End Hooks

Power Return



- Positive Toggle Lock Holds Blade Securely at Any Length
- Chrome or Easy-To-Find Hi-Viz® Orange Case Finish Available
- Self-Compensating End Hook for Inside and Outside Measurements
- Patented Quad Hook Extends Blade Life By Reducing Blade Breakage
- Built in Bumper Reduces Shock Upon Blade Retraction, Extends Tape Life
- Removable Belt Clip
- All Shelf Pack Power Tapes Are Carded

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
HV420	037103104168	Carded	Orange	1 in	20 ft	A5	None	0.72 lb
Y420	037103104113	Carded	Chrome	1 in	20 ft	A5	None	0.70 lb
Y46CME	037103001047	Carded	Chrome	25 mm, 1 in	6 m, 20 ft	A30	None	0.80 lb
HV116	037103039149	Carded	Orange	1 in	16 ft	A5	None	0.70 lb

800 Series Xtra-Wide Power Tape



- New Blade Design Achieves 10' Stand-Out, Make Longer Measurements
- Soft Touch Lock Button for Better Feel and Control
- Rubber Cushion Absorbs Impact and Improved Grip
- Case Designed to Fit Your Hand
- Clearcoat Blade Protection - More Durable Markings
- 4-Rivet Reinforced End Hook - Increased Strength for Long Blade Life
- Non-Slip Slide Lock for Positive Blade Locking
- Easy On/Off Belt Clip for Fast Attachment to Belt

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
XL8525	037103222923	Carded	Orange	1-3/16 in	25 ft	A5	None	1.25 lb
XL8525D	037103223999	Carded	Orange	1-3/16 in	25 ft	A4	None	1.03 lb
XL8548CME	037103225856	Carded	Orange	30 mm, 1-3/16 in	8 m, 26 ft	A30	None	1.03 lb

800 Series Xtra-Wide Control Power Tape



- Drag Strip™ Finger Access for Measuring and Retraction Control
- Wide End-Hook Holds Better and Makes Marking Easier
- New Blade Design Achieves 10' Stand-Out, Make Longer Measurements
- Clearcoat Blade Protection - More Durable Markings
- Durable Case Allows for Added Control and Grip
- Integrated D-ring for Tether Strap or Easy Handling Storage
- Easy On/Off Belt Clip for Fast Attachment to Belt

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
CS8516	037103263537	Carded	Orange	3/4 in	16 ft	A5	None	0.55 lb
CS8525	037103263544	Carded	Orange	1-3/16 in	25 ft	A5	None	1.22 lb
CS8525CME	037103263551	Carded	Orange	30 mm, 1-3/16 in	8 m, 26 ft	A30	None	1.24 lb

700 Series Self-Centering Tape



- Self-centering tape; bottom measurement is the center of the top measurement, 1/32" graduations
- Shows the midpoint of any measurement
- Reinforced blade
- Case designed to fit your hand

Cat. No.	UPC No.	Case Color	Blade Width	Blade Length	Blade Style	Product Weight
L725SCTMP	037103226327	Orange	1 in	25 ft	A37	0.80 lb

700 Series Auto-Lock



- Automatic Blade Lock Holds the Blade in Extended Position
- Recessed Lock Release to Reduce Chance of Accidental Retraction
- Non-Slip Co-Molded Rubber Grip
- Durable Clearcoat Blade Protection for Longer Blade Life
- Steel Reinforced End Hook for Longer Service Life
- Tough ABS Case to Stand Up to the Toughest Work Site

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
AL725	037103214539	Carded	Orange	1 in	25 ft	A5	None	0.80 lb
AL748CME	037103214546	Carded	Orange	25 mm, 1 in	8 m, 26 ft	A5	None	0.80 lb

700 Series Magnetic End Hook



- Magnetic End Hook is a Time-Saver for Framers, HVAC Installers, and More
- Use for One-Man Measurements of Steel Framing and Drop Ceiling Grids
- Powerful Dual Magnets Can Also Serve As A Pick-Up Tool
- Non-Slip Co-Molded Rubber Grip
- Durable ABS Case Stands Up to the Toughest Work Site
- Non-Slip Rubber Blade Lock Button

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
L725MAG	037103214560	Carded	Orange	1 in	25 ft	A5	None	0.80 lb
L748MAG	037103214522	Carded	Orange	25 mm, 1 in	8 m, 26 ft	A13	None	0.80 lb

700 Series Auto-Lock, Magnetic End Hook



- Automatic Blade Lock Holds the Blade in Extended Position
- Recessed Lock Release to Reduce Chance of Accidental Retraction
- Magnetic End Hook is a Time-Saver for Framers, HVAC Installers, and More
- Use for One-Man Measurements of Steel Framing and Drop Ceiling Grids
- Powerful Dual Magnets Can Also Serve As A Pick-Up Tool
- Non-Slip Co-Molded Rubber Grip
- Durable Clearcoat Blade Protection for Longer Blade Life
- Steel Reinforced End Hook for Longer Service Life
- Tough ABS Case to Stand Up to the Toughest Work Site

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
AL725MAG	037103215666	Carded	Orange	1 in	25 ft	A5	None	0.88 lb

L600 Series Power Return Tapes



- Lightweight, High Strength, Case Fits Comfortably in Hand
- Hi-Viz® Blue Case - Easy to Find on the Job
- Unique Slide Lock Design Allows for Easy Control of Tape Blade
- Wide Base Helps Keep Tape Standing Upright
- Clear Coat Blade Protection for More Durable Markings
- Easy-To-Read Yellow Clad Blade (Not Replaceable)
- Fits Easily in Most Tape Holsters

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
L610	037103241061	Carded	Orange	1/2 in	10 ft	A1	None	0.25 lb
L610CME	037103241078	Carded	Orange	13 mm, 1/2 in	3 m, 10 ft	A13	None	0.25 lb
L616	037103241085	Carded	Orange	3/4 in	16 ft	A2	None	0.45 lb
L616CME	037103241092	Carded	Orange	19 mm, 3/4 in	5 m, 16 ft	A13	None	0.45 lb
L625	037103241108	Carded	Orange	1 in	25 ft	A5	None	0.80 lb
L625CME	037103241115	Carded	Orange	25 mm, 1 in	8 m, 26 ft	A13	None	0.80 lb
L625SCTMP	037103241122	Carded	Orange	1 in	25 ft	A37	None	0.80 lb
QRL625MP	037103241139	Carded	Blue	1 in	25 ft	A3	None	0.80 lb

Mezurall™



- Chrome Plated Case
- Yellow Clad Blade
- Power Retraction Operation
- Belt Clip

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
W928	037103458728	Carded	1/2 in	8 ft	A1	None	0.20 lb
W9210	037103458735	Carded	1/2 in	10 ft	A1	RY210	0.30 lb
Y8210	037103457967	Carded	1/2 in	10 ft	A1	None	0.20 lb
W9212	037103458742	Carded	1/2 in	12 ft	A1	RY212	0.26 lb
W9312	037103458780	Carded	3/4 in	12 ft	A2	RW312	0.40 lb
W9312D	037103458797	Carded	3/4 in	12 ft	A4	None	0.38 lb
W9210ME	037103458766	Carded	13 mm, 1/2 in	3 m, 10 ft	A11	None	0.24 lb
Y8212	037103457981	Carded	1/2 in	12 ft	A1	RY212	0.24 lb

Mezurall™ Chrome Clad®



- 1/2" X 12' Chrome Clad® Blade
- Ideal for Industrial Use
- Chrome Plated Case
- Hard Chrome Plated Blade is Tough and Accurate
- Power Retraction Operation

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
C9212X	037103455574	Carded	1/2 in	12 ft	A6	None	0.30 lb
C9212	037103455567	Carded	1/2 in	12 ft	A8	None	0.30 lb

Pee Wee™



- Pocket Size Ideal for Office or Home
- High Strength Case
- Yellow Clad Blade
- 1/4"/6mm Wide Blade is Flexible; Bold Graduations on Yellow Background
- Power Retraction Operation

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
Y613ME	037103104106	Carded	6 mm, 1/4 in	3 m, 10 ft	A17	None	0.11 lb
W616	037103458575	Carded	1/4 in	6 ft	A16	None	0.10 lb
W6110	037103458544	Carded	1/4 in	10 ft	A16	None	0.12 lb
W616B0	037103028624	Carded	1/4 in	6 ft	A16	None	0.00 lb

Executive® ThinLine



- Convenient for Office, Briefcase, or Pocket
- 6' Easy-To-Read Blade
- Power Retraction

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
W606	037103458551	Boxed	1/4 in	6 ft	A16	None	0.09 lb
W606ME	037103458520	Boxed	6 mm, 1/4 in	2 m, 6 ft	A17	None	0.09 lb
W608	037103458568	Boxed	1/4 in	8 ft	A16	None	0.10 lb

Executive® Diameter



- Designed for Measuring Diameters of Pipe, Cable, Tire, etc.
- Polished Chrome Case
- Zero Falls in the Same Place on Each Side of the Blade
- Conversion From Diameter to Circumference, Simply Turn the Blade
- Easy-To-Read Bold Graduations on Yellow Background
- Spring Action Returns Blade to Case

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
W606P	037103458506	Boxed	1/4 in	6 ft	A18	None	0.09 lb
W606PD	037103458513	Boxed	1/4 in	6 ft	A19	RW06PD	0.08 lb
W606PM	037103458537	Boxed	6 mm	2 m	A20	None	0.09 lb

Architect's Pocket Scale



- Yellow Clad Blade
- 1/4"/6mm Yellow Steel Blade Has Jet Black Markings
- Automatic Blade Return
- Blade Style: A21

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
W393	037103458483	Boxed	1/4 in	5 ft	A21	None	0.20 lb

TECH INFORMATION

Long Tape Blade Styles

B1 YELLOW CLAD



- 3/8" width only
- Yellow clad blade
- Black and red markings one side only
- Graduated feet and inches to 1/8ths with instantaneous readings; 16" centers indicated by a diamond

B4 CHROME CLAD®



- 3/8" width only
- Chrome Clad® blade
- Black markings one side only
- Graduated consecutive inches to 1/10ths

B8 YELLOW CLAD



- 3/8" width only
- Yellow clad blade
- Black and red markings both sides
- Bottom side graduated millimeters, numbered in centimeters and meters
- Top side graduated feet and inches to 1/8ths with instantaneous readings; 16" centers indicated by a diamond

B11 NUBIAN®



- 3/8" width only
- Nubian® blade
- Markings both sides
- Graduated feet, inches and 1/8ths one side; other side graduated diameter feet and inches with an extra diameter inch subdivided to 64ths left hand

B15 CHROME CLAD®



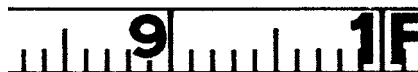
- 10mm width
- Yellow clad and Chrome Clad® blade
- Marked both sides
- One side meters, decimeters and millimeters; other side reads diameter from circumference to 2m of diameter in millimeters

B2 CHROME CLAD®



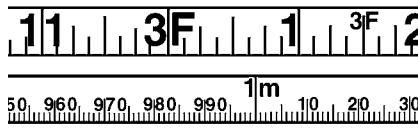
- 3/8" width only
- Chrome Clad® blade
- Black markings one side only
- Graduated feet and inches to 1/16ths with instantaneous readings

B5 CHROME CLAD® AND YELLOW CLAD



- 3/8" width only
- Chrome Clad® and yellow clad blade
- Black markings one side only
- Graduations feet to 1/10ths and 1/100ths

B9 YELLOW CLAD



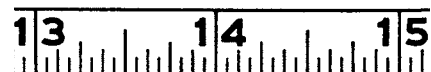
- 3/8"/10mm width only
- Yellow clad blade
- Black and red markings both sides
- One side graduated feet and inches to 1/8ths with instantaneous readings; other side graduated in consecutive millimeters with instantaneous meter numbers at every 100mm

B12 NUBIAN®



- 3/8" width only
- Nubian® blade
- Markings both sides
- Graduated consecutive inches to 1/16ths one side; other side to diameter inches, with an extra diameter inch subdivided to 64ths left hand

B3 CHROME CLAD® AND NUBIAN®



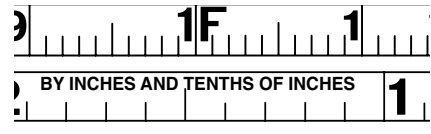
- 3/8" width only
- Chrome Clad® and Nubian® blade
- Black markings one side only
- Graduated consecutive inches to 1/16ths

B7 CHROME CLAD® AND NICKEL CLAD®



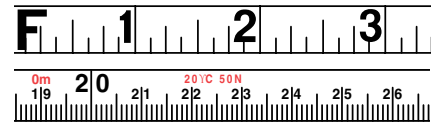
- 3/8" width only
- Chrome Clad®, nickel clad and yellow clad blade
- Black markings one side only
- Graduated feet and inches to 1/8ths with instantaneous readings; 16" centers indicated by diamond

B10 CHROME CLAD® AND NUBIAN®



- 3/8" width only
- Nubian® and Chrome Clad® blade
- Markings both sides
- One side graduated 1/10ths and 1/100ths of feet; other side diameter feet and 1/10ths of inches

B14 YELLOW CLAD AND CHROME CLAD®



- 3/8" width
- Yellow clad and Chrome Clad® blade
- Black and red markings both sides
- Front side graduated in feet and inches to 1/8ths; back side in meters and millimeters numbered in centimeters

Anchor®



- Rugged, Vinyl-Covered Steel Case
- Chrome Clad® Blade
- Large Easy-Action Winding Drum and Friction Washers
- Nylon Roller Guides the Tape Smoothly in and Out of Case

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
C213	037103451408	Boxed	3/8 in	50 ft	B7	None	1.00 lb
C213C	037103451514	Boxed	3/8 in	600 in	B3	None	0.93 lb
C213CX	037103451538	Boxed	3/8 in	600 in	B4	None	1.00 lb
C213D	037103451552	Boxed	3/8 in	50 ft	B5	OC213D	0.90 lb
C216	037103451606	Boxed	3/8 in	100 ft	B7	None	1.70 lb
C21616THBLK	037103451675	Boxed	3/8 in	100 ft	B2	None	1.60 lb
C216D	037103451699	Boxed	3/8 in	100 ft	B5	None	1.55 lb

Leader®



- Sturdy, Rust-Resistant Steel Case Has A Tough, Black Vinyl Cover
- Chrome Clad® Blade
- Jet-Black Markings Are Bonded to the Steel
- Recessed Below the Hard Chrome Surface; Highly Resistant to Wear
- Large Easy Action Winding Drum and Friction Washers
- Nylon Roller Guides the Tape Smoothly in and Out of Case
- Folding End Hook Ring

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
HC253	037103452016	Boxed	3/8 in	50 ft	B7	None	1.00 lb
HC256	037103452061	Boxed	3/8 in	100 ft	B7	None	1.70 lb

Challenge™



- Challenge(TM); Nubian® Case, Drum Assembly
- Etched Tape Line is Designed to Perform for Years
- Vinyl Covered Steel Case
- Chrome Clad® Blade
- Easy Action Winding Drum and Friction Washers
- Nylon Rollers Guide the Tape Smoothly in and Out of Case
- P in the Suffix of the Number Denotes Diameter

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
261PTH	037103451309	Boxed	3/8 in	33 ft	B11	O261PTH	0.70 lb
263P	037103452092	Boxed	3/8 in	50 ft	B11	None	0.80 lb

Hi-Viz® Speedwinder®



- Impact-Resistant, Attractive, Self-Standing Case
- Heavy Duty Yellow Clad Blade Protected By An Abrasion Resistant Coating
- Extends, Rewinds in Less Time Than Conventional Long Steel Tapes
- Easy-To-Read Bold Black Markings

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
HYT50	037103458155	Boxed	3/8 in	50 ft	B1	None	0.85 lb
HYT100	037103458162	Boxed	3/8 in	100 ft	B1	None	1.50 lb
HYT100D	037103460196	Boxed	3/8 in	100 ft	B5	None	1.50 lb
HYT15CME	037103459411	Boxed	10 mm, 3/8 in	15 m, 50 ft	B14	None	0.90 lb
HYT30CME	037103459428	Boxed	10 mm, 3/8 in	30 m, 100 ft	B14	None	1.20 lb
HYT50CME	037103003461	Boxed	10 mm, 3/8 in	50 m, 164 ft	B14	RHY50CME	1.50 lb

Banner™



- Professional Tradesman's Quality
- Rugged, Vinyl-Covered Steel Case
- Yellow Clad Tape; 3/8"/10mm Wide and 0.008"/0.2mm Thick
- Large Easy Action Winding Drum and Friction Washers
- Nylon Rollers Guide the Tape Smoothly in and Out of Case
- Bold Graduations with Black and Red Numbers for Accurate Measuring
- H Prefix Denotes Product Blade is Fitted with A Folding Hook Ring

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
HW223	037103458865	Boxed	3/8 in	50 ft	B1	None	1.00 lb
HW223D	037103458902	Boxed	3/8 in	50 ft	B5	None	0.90 lb
HW223ME	037103458889	Boxed	10 mm, 3/8 in	15 m, 50 ft	B9	None	0.90 lb
HW226	037103458940	Boxed	3/8 in	100 ft	B1	None	1.60 lb
HW226D	037103458964	Boxed	3/8 in	100 ft	B5	None	1.60 lb
HW226ME	037103458988	Boxed	10 mm, 3/8 in	30 m, 100 ft	B9	None	1.60 lb
HW227CME	037103459039	Boxed	10 mm, 3/8 in	50 m, 164 ft	B8	None	2.50 lb

Pro Series Long Steel Tape



- 3:1 Gear Ratio for Fast Blade Retrieval
- Precise, Easy to Read Black and Red Blade Markings
- Premium Steel Blade Resists Kinks

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
PS100S	037103201447	Carded	3/8 in	100 ft	B1	None	1.05 lb

Home Shop



- Vinyl Covered Steel Case
- Yellow Clad Blade
- 0.005" Thick Blade
- Large Easy Action Winding Drum with Friction Washers
- Fitted with A Folding Hook Ring

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
HW50	037103458827	Boxed	3/8 in	50 ft	B1	OY50	0.70 lb
HW100	037103458841	Boxed	3/8 in	100 ft	B1	OY100	1.25 lb

Hi-Viz® Universal Lightweight



- High Impact Polystyrene Case, Hi-Viz® Orange
- Yellow Clad Blade 0.005"/0.13mm Thick
- Easy Wind Nylon Drum
- Easy-To-Read Black and Red Markings
- Hook Ring is Retained Neatly in the Contoured Mouth of the Case
- Removable Belt Clip
- All Tapes Are Carded

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
50	037103450685	Carded	3/8 in	50 ft	B1	OY50	0.50 lb
100L	037103451002	Carded	3/8 in	100 ft	B1	OY100	0.95 lb
HV15CME	037103089632	Carded	10 mm, 3/8 in	15 m, 50 ft	B8	RY15CME	0.50 lb
HV30CME	037103089656	Carded	10 mm, 3/8 in	30 m, 100 ft	B8	RY30CME	0.94 lb

Artisan® Diameter and Tree Tapes



- Rugged, Vinyl-Covered Steel Case
- Chrome Clad® and Nubian® Blade
- 0.008" Thick Blade
- Large Easy Winding Drum and Friction Washers
- Nylon Rollers Guide the Tape Smoothly in and Out of Case

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
120TP	037103451101	Boxed	3/8 in	20 ft	B10	None	0.30 lb
C120TP	037103451125	Boxed	3/8 in	20 ft	B10	None	0.55 lb
120P	037103451088	Boxed	3/8 in	240 in	B12	O120P	0.50 lb
C106PM	037103060273	Boxed	10 mm	6.5 m	B15	None	0.60 lb
C106TPM	037103060266	Boxed	10 mm	6.5 m	B15	RC106TPM	0.60 lb
C106PMCAL	037103206480	Boxed	10 mm	6.5 m	CAL Ring	None	0.60 lb

TECH INFORMATION

Fiberglass & Synthetic Tape Blade Styles

C1 YELLOW CLAD



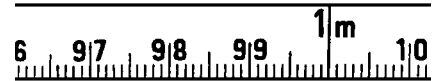
- 1/2" width only
- Yellow clad blade
- Black and red markings one side only
- Graduated feet and inches to 1/8ths; numbered with feet and instantaneous foot markings in red and inches in black

C2 YELLOW CLAD



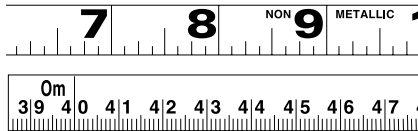
- 1/2" width only
- Yellow clad blade
- Black and red markings one side only
- Graduated feet to 1/10ths and 1/100ths; numbered with feet in red and 1/10ths of feet in black

C3 YELLOW CLAD



- 13mm width only
- Yellow clad blade
- Black and red markings one side only
- Graduated millimeters, numbered at each centimeter with red instantaneous meter number

C4 YELLOW CLAD



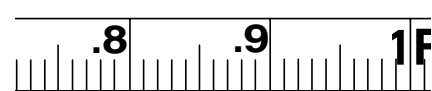
- 1/2"/13mm width only
- Yellow clad blade
- Black and red markings on both sides
- Two-sided tapeline; top side in feet, inches, and 1/8ths, numbered at each foot with red instantaneous foot numbers; bottom side graduated in millimeters, numbered centimeters with red instantaneous meter number

C5 WHITE CLAD



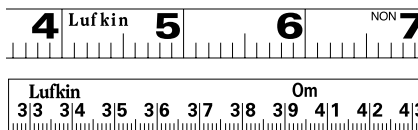
- White clad blade
- 5/8" width
- Black and red markings one side only
- Graduated feet and inches to 1/8ths, red feet numbers and black inch numbers

C6 WHITE CLAD



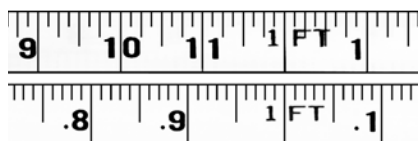
- White clad blade
- 5/8" width
- Black and red markings one side only
- Graduated feet to 1/10ths and 1/100ths, red feet numbers and black tenths of feet numbers

C7 YELLOW CLAD



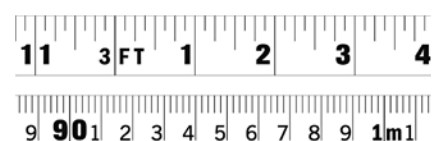
- 1/2"/13mm width only
- Yellow clad blade
- Black and red markings on both sides
- Two-sided tapeline; bottom side in metric, graduated in millimeters, numbered in centimeters, with red instantaneous meter number; top side graduated feet to 1/10ths and 1/100ths, numbered with feet in red and 10ths of feet in black

C11 YELLOW CLAD & WHITE CLAD



- 3/4" width only
- White on top, yellow on bottom
- Black and red markings both sides
- Two-sided tapeline; top side feet and inches, graduated to 8ths; bottom decimal feet

C12 YELLOW CLAD & WHITE CLAD



- 3/4" width only
- White on top, yellow on bottom
- Black and red markings both sides
- Two-sided tapeline; top side graduated in millimeters, numbered centimeters with meters, bottom in feet and inches

Pro Series Fiberglass Tapes



- Patents Pending
- Interchangeable End Hooks for User Convenience
- Ring End Hook Snaps Onto Stake for 1-Person Measurements
- Standard Folding End Hook for General Measuring Needs
- Appraiser's Hook Attaches to Oversized Objects Such as Downspouts
- 3-To-1 Rewind for Fast Blade Retraction
- 3/4" Blade is More Durable; Large Numbers Are Easy to Read
- 2-Sided Blade, Feet & Inches on Top, Feet to 10ths and 100ths on Bottom
- 62 Fiberglass Strands and Double-PVC Coating for Durability and Strength
- Cushion Grips on Handle and Frame Arms for Comfort

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Product Weight
PSFE100	037103224811	Carded	3/4 in	100 ft	C11	2.55 lb
PSFE200	037103224828	Carded	3/4 in	200 ft	C11	3.79 lb
PSFE300	037103224804	Carded	3/4 in	300 ft	C11	4.77 lb
PSFM030CME	037103233981	Carded	19 mm, 3/4 in	30 m, 100 ft	C12	2.55 lb
PSFM060CME	037103233998	Carded	19 mm, 3/4 in	60 m, 200 ft	C12	3.79 lb
PSFM100CME	037103234001	Carded	19 mm, 3/4 in	100 m, 328 ft	C12	4.77 lb
PSFE3PCKIT*	037103231635	Carded	-	-	None	0.05 lb

* 3 Piece Replacement End Hook Kit

Fiberglass Tapes



- Open Four-Arm Frame Design Protects Blade, Does Not Trap Dirt in Case
- Lightweight But Strong Case is Easy to Handle and Rewind
- Two-Material Grip is Comfortable to Use
- Hi-Viz® Orange Case is Easy to Find on the Job Site
- Folding End Hook for True-Zero Measurements
- Yellow Clad Fiberglass Blade Impervious to Moisture

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Product Weight
FE050	037103224033	Carded	1/2 in	50 ft	C1	1.38 lb
FE050D	037103224040	Carded	1/2 in	50 ft	C2	1.38 lb
FE100	037103224057	Carded	1/2 in	100 ft	C1	1.65 lb
FE100D	037103224026	Carded	1/2 in	100 ft	C2	1.65 lb
FE150	037103224071	Carded	1/2 in	150 ft	C1	1.82 lb
FE150D	037103224088	Carded	1/2 in	150 ft	C2	1.82 lb
FE200	037103224095	Carded	1/2 in	200 ft	C1	2.00 lb
FE200D	037103224064	Carded	1/2 in	200 ft	C2	2.00 lb
FE300	037103224118	Carded	1/2 in	300 ft	C1	2.80 lb
FE300D	037103224125	Carded	1/2 in	300 ft	C2	3.00 lb
FM015CME	037103224132	Carded	1/2 in	15 m, 50 ft	C4	1.30 lb
FM030CM	037103224101	Carded	13 mm	30 m	C3	1.56 lb
FM030CME	037103224156	Carded	13 mm, 1/2 in	30 m, 100 ft	C4	1.58 lb
FM030DM	037103224163	Carded	13 mm, 1/2 in	30 m, 100 ft	C7	1.58 lb
FM050CM	037103224170	Carded	13 mm	50 m	C3	1.75 lb
FM050CME	037103224149	Carded	13 mm, 1/2 in	50 m, 164 ft	C4	1.75 lb
FM060CME	037103224194	Carded	13 mm, 1/2 in	60 m, 200 ft	C4	2.00 lb
FM100CME	037103224187	Carded	13 mm, 1/2 in	100 m, 328 ft	C4	3.25 lb

HI-VIZ® Linear



- Lightweight High Impact ABS Case
- Durable 1/2" Wide Fiberglass Tape is Encapsulated in Flexible Plastic
- Non-Conductive, Easy-To-Read Black, Red Markings, Yellow Background
- Lightweight High Impact Abs Winding Drum for Smooth Tape Recovery
- Blaze Orange Case

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Product Weight
1707	037103454669	Carded	1/2 in	150 ft	C1	1.65 lb
703	037103453525	Carded	1/2 in	50 ft	C1	0.90 lb
703D	037103453549	Carded	1/2 in	50 ft	C2	0.80 lb
706D	037103453587	Carded	1/2 in	100 ft	C2	1.30 lb
706L	037103453563	Carded	1/2 in	100 ft	C1	1.20 lb

Hi Line® Tapes



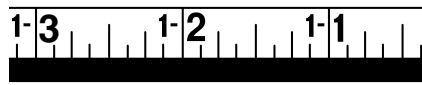
- Synthetic Fiber Blade is Non-Conductive
- Steel Case with Vinyl Covering

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Product Weight
HD403	037103202369	Carded	5/8 in	50 ft	C5	1.00 lb
HD403D	037103202352	Carded	5/8 in	50 ft	C6	1.00 lb
HD406	037103202338	Carded	5/8 in	100 ft	C5	1.40 lb
HD406D	037103202321	Carded	5/8 in	100 ft	C6	1.40 lb
HDH406	037103202376	Carded	5/8 in	100 ft	C5	1.40 lb
HDH406D	037103202383	Carded	5/8 in	100 ft	C6	1.40 lb

TECH INFORMATION

Oil Gauging Tape Blade Styles

D1 CHROME CLAD® & NUBIAN®



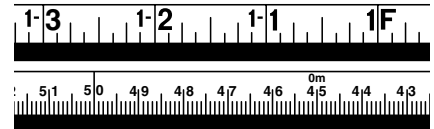
- 1/2" width only
- Markings one side only
- Graduated instantaneous feet and inches to 1/8ths

D2 CHROME CLAD® & NUBIAN®



- 1/2" width only
- Markings one side only
- Graduated in feet to 1/10ths and 1/100ths of an foot; reads right to left

D3 CHROME CLAD® & NUBIAN®



- 1/2"/13mm width only
- Markings both sides
- Graduated in millimeters on one side; other side instantaneous feet and inches to 1/8ths

D4 CHROME CLAD® & STAINLESS STEEL



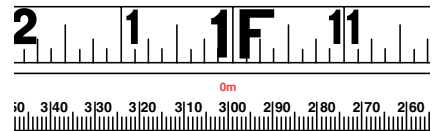
- 1/2" width only
- Markings one side only
- Graduated feet and inches to 1/8ths; instantaneous foot readings

D5 NUBIAN®



- 1/2" width only
- Nubian® blade
- Markings one side only
- Graduated feet and inches to 1/8ths; instantaneous foot readings

D6 CHROME CLAD®



- 1/2"/13mm width
- Chrome Clad® blade
- Black and red markings on metric side
- Metric - graduated meters to millimeters; numbered right to left in meters and millimeters
- English side - graduated feet and inches to 1/8ths; numbered right to left

D7 NUBIAN®



- 1/2" width only
- Nubian® blade
- Graduated in meters; numbered in millimeters

Atlas® Chrome Clad® / Nubian® Double Duty



- Recessed Beneath Multiple Layers of Nickel and Chrome Electroplating
- Provides Greater Resistance to Wear and Corrosion
- All Tapes Read Right to Left
- Heavy-Duty Frame Designed for Years of Rugged Use
- All Frames Include a Grounding Strap
- Plumb Bob Must be Ordered Separately

Cat. No.	UPC No.	Packaging	Bob Cut	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
CN129012SF5	037103459527	Boxed	590	1/2 in	18 ft	D1	OCN129012SF5	1.60 lb
CN1290SF590	037103459534	Boxed	590	1/2 in	25 ft	D1	OCN1290SF590	1.60 lb
CN1290SME	037103001696	Boxed	590	13 mm, 1/2 in	8 m, 26 ft	D3	None	1.80 lb
CN1291SF590	037103459541	Boxed	590	1/2 in	33 ft	D1	OCN1291SF590	1.90 lb
CN1293SF5871	037103459763	Boxed	5871/2	1/2 in	50 ft	D1	None	2.30 lb
CN1293SF590	037103459558	Boxed	590	1/2 in	50 ft	D1	OCN1293SF590	2.20 lb
CN1293SDF590	037103459596	Boxed	590	1/2 in	50 ft	D2	OCN1293SDF59	2.20 lb
CN1293SMEF59	037103459602	Boxed	590	13 mm, 1/2 in	15 m, 50 ft	D3	OCN1293SMEF5	2.30 lb
CN1294SF5871	037103459770	Boxed	5871/2	1/2 in	66 ft	D1	None	2.70 lb
CN1294SF590	037103459565	Boxed	590	1/2 in	66 ft	D1	OCN1294SF590	2.60 lb
CN1294SMEF59	037103459619	Boxed	590	13 mm, 1/2 in	20 m, 66 ft	D3	OCN1294SMEF5	2.60 lb
CN1295SME590	037103122124	Boxed	590	13 mm, 1/2 in	23 m, 75 ft	D3	OCN1295SME590	2.88 lb
CN1295SF590	037103459572	Boxed	590	1/2 in	75 ft	D1	OCN1295SF590	2.90 lb
CN1295SME	037103440815	Boxed	5871/2	13 mm, 1/2 in	23 m, 75 ft	D3	None	2.70 lb
CN1296SF590	037103459589	Boxed	590	1/2 in	100 ft	D1	OCN1296SF590	3.56 lb
CN1296SMEF59	037103459626	Boxed	590	13 mm, 1/2 in	30 m, 100 ft	D3	OCN1296SMEF5	3.60 lb
CN1298SME590	037103104243	Boxed	590	13 mm, 1/2 in	38 m, 125 ft	D3	None	4.20 lb

Atlas® Chrome Clad®



- Recessed Beneath Multiple Layers of Nickel and Chrome Electroplating
- Provides Greater Resistance to Wear and Corrosion
- All Tapes Read Right to Left
- Heavy-Duty Frame Designed for Years of Rugged Use
- All Frames Include a Grounding Strap
- Plumb Bob Must be Ordered Separately

Cat. No.	UPC No.	Packaging	Bob Cut	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
C129012SF	037103454065	Boxed	590	1/2 in	18 ft	D4	OC-129012SF59	1.60 lb
C1290SF590	037103454102	Boxed	590	1/2 in	25 ft	D4	OC1290SF590	1.80 lb
C1291SF590	037103454140	Boxed	590	1/2 in	33 ft	D4	OC1291SF590	1.90 lb
C1293SF590	037103454256	Boxed	590	1/2 in	50 ft	D4	OC1293SF590	2.30 lb
C2910MME590	037103063373	Boxed	590GM	13 mm, 1/2 in	10 m, 33 ft	D6	OC-2910MME590	1.95 lb
C2915MME590	037103091406	Boxed	590GM	13 mm, 1/2 in	15 m, 50 ft	D6	None	2.35 lb
C2920MME590	037103003386	Boxed	590GM	13 mm, 1/2 in	20 m, 66 ft	D6	None	2.70 lb
C2920MME150M	037103047168	Boxed	150 mm	13 mm, 1/2 in	20 m, 66 ft	D6	None	2.50 lb

Atlas® Nubian®



- Ideal for Gauging Clear Oils
- Etched Background
- Blade Protected By Flowed-On Epoxy Coating
- Raised Bright Steel Markings Are Clearly Legible
- All Tapes Read Right to Left, Except 3/8" X 50' Reads Left to Right
- Heavy-Duty Frame Designed for Years of Rugged Use
- All Frames Include a Grounding Strap
- Plumb Bob Must be Ordered Separately

Cat. No.	UPC No.	Packaging	Bob Cut	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
1290SF590	037103454089	Boxed	590	1/2 in	25 ft	D5	O1290SF590	1.70 lb
1293SF590	037103454201	Boxed	590	1/2 in	50 ft	D5	O1293SF590	2.30 lb
1293SM590	037103441676	Boxed	590	13 mm	15 m	D7	None	1.90 lb

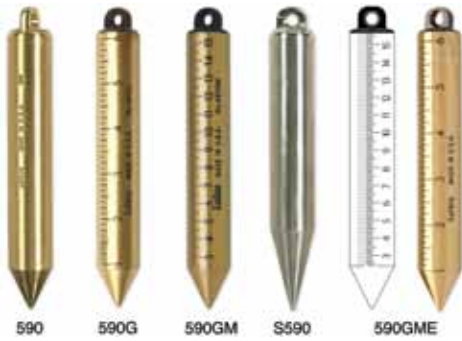
Atlas® Stainless Steel®



- Designed for Use in Highly Corrosive Solutions
- Stainless Steel Blade Resists Corrosion
- Heavy-Duty Frame Designed for Years of Rugged Use
- All Frames Include a Grounding Strap
- Plumb Bob Must be Ordered Separately
- Recommended Plumb Bob: S590
- Blade Style: D4

Cat. No.	UPC No.	Packaging	Bob Cut	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
S1291F590	037103440839	Boxed	590	1/2 in	33 ft	D4	OS1291F590	1.50 lb
S1293F590	037103456823	Boxed	590	1/2 in	50 ft	D4	OS1293F590	2.00 lb

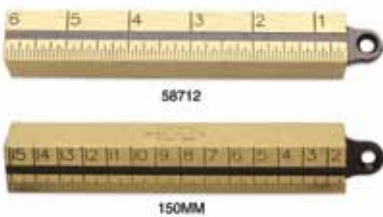
Inage Oil Gauging Plumb Bobs



- For Use in Heavy Oils
- Cylindrical Shaped
- Tapered Point Tip

Cat. No.	UPC No.	Packaging	Description	Length	Product Weight
590	037103453204	Boxed	20 oz Plumb Bob, Solid Brass Inage, Cylindrical Shape	6.75 in	1.40 lb
590G	037103453235	Boxed	20 oz Plumb Bob, Solid Brass, Graduated in Inches, Blunt Point	6.75 in	1.40 lb
590GM	037103453242	Boxed	20 oz Plumb Bob, Solid Brass, Graduated in Millimeters and Centimeters	6.75 in	1.40 lb
590GME	037103442895	Boxed	20 oz Plumb Bob, Solid Brass, Metric and English	6.75 in	1.40 lb
S590	037103460134	Boxed	20 oz Plumb Bob, Stainless Steel, Cylindrical Shape	6.75 in	1.20 lb

Outage Oil Gauging Plumb Bob



- Square Shaped Solid Brass Bob
- Eye Milled From Solid Brass Block (Not Removable)
- Zero Falls Inside Top of Hook Eye

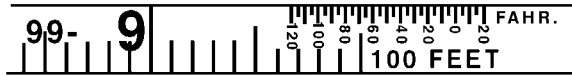
Cat. No.	UPC No.	Packaging	Description	Length	Product Weight
58712	037103453181	Boxed	20 oz Plumb Bob, Solid Brass Outage	6 in	1.27 lb
150MM	037103105875	Boxed	570g Plumb Bob, Brass Outage	152 mm	1.27 lb

TECH INFORMATION

Steel Tape Line Accuracy

Lufkin® steel tapes are made to government standards. Our bench standards for the United States are certified accurate by the United States Department of Commerce, N.I.S.T. Tapes for Canada are made to Canadian government standards.

Temperature standard for steel tapes is 68°F, which equals 20°C. Coefficient of expansion of steel tapes is 0.00000645' per degree F; 0.0000116' per degree C. This amounts to 0.000645' or 0.00774" per degree F. on a 100' tape, and one-half as much on a 50' tape. As a figure that is reasonably accurate and also easy to handle, it is customary on very long runs of pipe to allow 1/10" per 100' for each 10° change.



The above illustration shows, for a 100' tape, the actual length variations of temperature within the range of 20° below to 120° above zero °F. The terminal graduation on the lower edge is at 68°, this being standard temperature. Standard tension for steel tapes 25 to 100' long (10 to 30m) supported entire length on a horizontal, flat surface, is 10 pounds (4.5 kg.); for all tapes over 100', 20lbs., (9kg.). For steel tapes suspended horizontally and supported only at ends, there can be no set or standard tension for accuracy because of weight and other variations.

The following listings are averages of many tests made by the N.I.S.T. of Lufkin® steel tapes supported throughout and supported ends only. These averages are taken from the experience of tests and should be used as a working basis only, and not to replace the test of any individual tape. All tape lengths are 100'.

Tape Width (in)	Kind of Tape	Tension of Accuracy Thru-out (lbs)	Supported Ends Only (lbs)
1/4	Chain Tapes	10	24
1/4	Engineer's (0.12")	10	18
1/4	Engineer's Extra Heavy Tapes	10	24
3/8 & 1/2	Standard Weight Tapes	10	18

NOTE: Temperature and tension need to be taken into account only on precise work. We recommend a government test of tapes to be used for such work or for use as master standard. The N.I.S.T. and Lufkin® have a charge for this test.

Steel Tape Blade Styles

E1 CHROME CLAD® & YELLOW CLAD



- 1/4" and 3/8" widths
- Chrome Clad® and yellow clad blade
- Markings on one side only
- Graduated to feet, 1/10ths and 1/100ths with a blank space at last end

E2 CHROME CLAD®



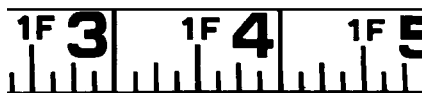
- 1/4"/6mm width only
- Chrome Clad® blade
- Markings on both sides
- Graduated millimeters one side
- Graduated feet, inches and 1/8ths other side

E3 CHROME CLAD® & YELLOW CLAD



- 1/4" and 3/8" widths
- Chrome Clad® blade
- Yellow clad available in 1/4" only
- Black markings one side only
- Graduated feet and inches to 1/8ths with instantaneous readings
- 16" centers indicated by a diamond symbol on 3/8" width only

E4 NY-CLAD® YELLOW



- 1/2" width only
- Nylon-clad yellow blade
- Black and red markings one side only
- Graduated feet and inches to 1/8ths with instantaneous readings
- Numbered with feet and instantaneous foot markings in red and inches in black

E5 NY-CLAD® YELLOW



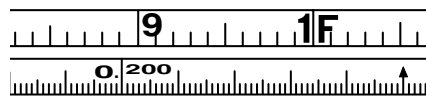
- 1/2" width only
- Nylon-clad yellow blade
- Black and red markings one side only
- Graduated feet to 1/10ths and 1/100ths
- Numbered with feet in red and 1/10ths in black

E11 CHROME CLAD®



- 6mm width
- Black and red markings one side only
- Graduated meters to millimeters
- Red meter numbers and black millimeter numbers at each decimeter

E12 CHROME CLAD®



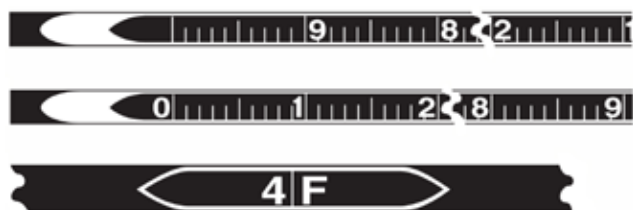
- 1/4" width
- Black and red markings one side; black markings other side
- Graduated meters to millimeters one side
- Red meter numbers and black millimeter numbers at each decimeter
- Graduated feet to 1/10ths and 1/100ths other side
- Numbered feet and 1/10ths black markings only

E13 CHROME CLAD®



- 1/4" width
- Black and red markings both sides
- Graduated meters to millimeters one side
- Red meter numbers and black millimeter numbers at each decimeter
- Graduated feet and inches to 1/8ths other side with red feet numbers and black inch numbers

Super Hi-Way® Nubian®



- Nominal Thickness 0.017"
- Easy-To-Read Raised Graduations
- Lines Have A Blank Space at Each End
- Extra Foot Before Zero Graduated Right to Left to 1/10ths and 1/100ths
- Balance Marked Every Foot Except Last Foot of Each 100' Length, 100ths

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
09100B	037103455437	Boxed	5/16 in	100 ft	None	None	2.20 lb
09200B	037103101266	Boxed	5/16 in	200 ft	None	None	3.60 lb
09300B	037103455598	Boxed	5/16 in	300 ft	None	None	5.90 lb

Pro Series Ny-Clad® Steel Tapes



- Durable Nylon Coating on Blade Resists Wear Under Extreme Conditions
- Super Fast 3-To-1 Blade Retraction Saves Time in the Field
- Steel Blade Will Not Stretch Under Normal Use

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
PS1806N	037103236876	Carded	1/2 in	100 ft	E4	None	2.02 lb
PS1806DN	037103236883	Carded	1/2 in	100 ft	E5	None	1.98 lb
PS1808N	037103236890	Carded	1/2 in	200 ft	E4	None	3.04 lb
PS1808DN	037103236906	Carded	1/2 in	200 ft	E5	None	3.14 lb
PS1809DN	037103236913	Carded	1/2 in	300 ft	E5	None	4.11 lb

Derrick



- Nominal Blade Thickness 0.019"
- Extra Large Winding Drum Provides Rapid Line Recovery
- Special Hook Ring with Ribbed Face at Zero
- Leather Thong is Provided to Use Through Eye at Rear
- Chrome Clad® Blade

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
C2276D	037103454713	Boxed	1/4 in	100 ft	E1	OC2276D	2.90 lb
C2276ME	037103454737	Boxed	1/4 in, 6 mm	100 ft, 30 m	E2	OC2276ME	3.00 lb
CD2730DMM	037103063700	Boxed	6 mm	30 m	E12	OCD2730DMM	2.75 lb
CD2750MME	037103063687	Boxed	1/4 in, 6 mm	164 ft, 50 m	E13	OCD2750MME	3.60 lb

Western®



- Thickness 0.019" and 1/4"/6mm Wide Blade
- Blank Space at Each End
- Turning Handle Locks Line at Any Position
- Reel is Nickel-Plated, 4-Arm with Rollers in Each Arm for Smooth Winding
- Oversize Drum with Long, One-Piece Winding Handle, Quick Return of Line
- Riveted Clips for Holding Thongs
- Reel Available Separately
- Y1676D is Yellow Clad, Thickness 0.16"

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
C1676D	037103454584	Boxed	1/4 in	100 ft	E1	OC1676D	3.00 lb
Y1676D	037103459435	Boxed	1/4 in	100 ft	E1	None	2.40 lb

Chrome Clad®



- 3/8"/10mm Wide and 0.008" Thick
- Long, Easy-Action Winding Handle That Locks Line in Any Position
- Reel is Nickel Plated, 4-Arm with Rollers in Each Arm for Smooth Winding
- Instantaneous Reading
- Zero Falls at Outer End of Ring
- Reel Available Separately

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
C1286	037103454003	Boxed	3/8 in	100 ft	E3	-	2.20 lb
C1286D	037103454027	Boxed	3/8 in	100 ft	E1	OC1286D	2.20 lb
C1288	037103454041	Boxed	3/8 in	200 ft	E3	OC1288	3.19 lb
C1288BLK	037103124128	Boxed	3/8 in	200 ft	E3	-	3.19 lb

Peerless



- Designed for Engineers and Surveyors Who Prefer a 4-Arm Reel
- Chrome Clad® and Yellow Clad Blade
- Blade 1/4"/6mm Wide and 0.016"/0.4mm Thick
- Subdivided Line Removes Easily From Reel
- Long, Easy-Action Winding Handle That Locks Line in Any Position
- Reel is Nickel Plated, 4-Arm with Rollers in Each Arm for Smooth Winding
- Open Design Construction Aids in Drying Line and Clearing Out Dirt
- Pair of 580 Finger Rings and a 579 Engineer's Conversion Rule are Furnished with Tape or Replacement Line
- Reel Available Separately

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
C1276	037103453822	Boxed	1/4 in	100 ft	E3	OC1276	2.40 lb
C1278	037103453860	Boxed	1/4 in	200 ft	E3	OC1278	3.70 lb
C1276D	037103453846	Boxed	1/4 in	100 ft	E1	OC1276D	2.40 lb
C1278D	037103453884	Boxed	1/4 in	200 ft	E1	OC1278D	3.70 lb
C2730MM	037103060297	Boxed	6 mm	30 m	E11	OC2730MM	2.40 lb
C2730DMM	037103060204	Boxed	1/4 in, 6 mm	100 ft, 30 m	E12	OC2730DMM	2.50 lb
C2730MME	037103060280	Boxed	1/4 in, 6 mm	100 ft, 30 m	E13	OC2730MME	2.40 lb
C2750DMM	037103060181	Boxed	1/4 in, 6 mm	164 ft, 50 m	E12	OC2750DMM	3.44 lb
C2750MME	037103001351	Boxed	1/4 in, 6 mm	164 ft, 50 m	E13	None	3.36 lb
Y1276	037103457790	Boxed	1/4 in	100 ft	E3	RY1276	2.00 lb
Y1278	037103457837	Boxed	1/4 in	200 ft	E3	RY1278	2.80 lb
Y1279	037103457875	Boxed	1/4 in	300 ft	E3	RY1279	4.10 lb
Y1276D	037103457806	Boxed	1/4 in	100 ft	E1	RY1276D	2.10 lb
Y1278D	037103457844	Boxed	1/4 in	200 ft	E1	RY1278D	3.05 lb
Y1279D	037103457882	Boxed	1/4 in	300 ft	E1	None	4.10 lb

81 and 91 Series Reels for Chrome Clad® and Gauging Tapes



- For 3/8" 10mm and 1/2"/13mm Widths - Chrome Clad and Gauging Tapes
- Chrome 2 Arm Frame
- Not All Replacement Parts Sold Separately

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
9150L	037103450968	Boxed	1/4 in	200 ft	1.20 lb

31 Series Reel for Over 100' Lengths



- For Over 100' Lengths
- Chrome 4 Arm Frame
- Not All Replacement Parts Sold Separately

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
31200	037103450531	Boxed	5/16 in	300 ft	3.00 lb
31300	037103450548	Boxed	1/4 in	100 ft	3.10 lb

11 Series Reel for Peerless Chrome Clad® Tapes



- For 1/4"/6mm Wide - 100' and 200' Lengths, Fits Peerless Chrome Clad Tapes
- Chrome 4 Arm Frame
- Not All Replacement Parts Sold Separately

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
11100	037103450272	Boxed	1/2 in	50 ft	1.30 lb
11200	037103450289	Boxed	5/16 in	200 ft	1.40 lb

Derrick Replacement Reel



- For 1/4"/6mm Wide - 150 and 200' Lengths
- Fits Western Chrome Clad® Tapes

Cat. No.	UPC No.	Packaging	Fits Product Number	Blade Width	Blade Length	Style of Case or Reel	Product Weight
12200	037103450340	Boxed	Western® Chrome Clad® Tapes	1/4 in	200 ft	4 Arm	1.85 lb

Western® Replacement Reel



- For 1/4" or 5/16" X 100' Lengths of Steel Tapes Only
- Reel is Nickel-Plated, 2-Arm with Rollers in Each Arm for Smooth Winding
- Oversize Drum with Long, One-Piece Winding Handle, Quick Return of Line

Cat. No.	UPC No.	Packaging	Fits Product Number	Blade Width	Blade Length	Style of Case or Reel	Product Weight
31100	037103450517	Boxed	Fits 100 ft Tapes Only	1/4 in	100 ft	2 Arm	1.40 lb

Engineering and Surveying Replacement Reel



- For 1/2" X 75' Chrome Clad® and Gauging Tapes
- Reel is Nickel-Plated, 4-Arm with Rollers in Each Arm for Smooth Winding
- Oversize Drum with Long, One-Piece Winding Handle, Quick Return of Line

Cat. No.	UPC No.	Packaging	Fits Product Number	Blade Width	Blade Length	Style of Case or Reel	Product Weight
9175	037103450975	Boxed	Chrome Clad and Gauging Tapes	1/2 in	75 ft	4 Arm	1.30 lb

Detachable hook



- Easily Attaches and Detaches From Standard Ring Tape Line
- Heavily Nickel Plated, Zinc Hook
- Serrated Face Grips Firmly and Releases Easily
- On Tapes Measuring From Outer End of Ring, Zero Falls at Inside of Hook
- Can Be Used on Lines 3/8"/10mm Wider

Cat. No.	UPC No.	Packaging	Product Weight
552	037103452832	Boxed	0.04 lb

Tape Clamps Handle



- Used for Quickly and Positively Gripping a Steel Tape at Any Point
- Applies Light or Heavy Tension
- Clamp is Applied and Removed By Simply Operating the Handle
- Used Properly, It Will Not Damage a Tape in Any Way
- Made of Chrome-Plated Zinc Alloy

Cat. No.	UPC No.	Packaging	Product Weight
584	037103453143	Boxed	0.20 lb

Tape Tension Handles



- Use with Steel Tapes for Extremely Accurate Measurements
- Rustproof Brass Construction with Black-Filled Etched Graduations
- Graduations Begin at Snap End, Easy-To-Read When Tension is Applied
- Capacity of 30 Lb X 1/2 Lb and 25Kg X 25Kg

Cat. No.	UPC No.	Packaging	Product Weight
586	037103453150	Boxed	0.60 lb

Red End® Extension Folding Wood Rules



- Slide Rule Runs Under Friction in T-Slot
- Stops at Each End to Prevents Slide From Falling Out
- Marked Both Sides and Both Edges
- Graduated to 1/16ths of An Inch
- 16" Stud Centers in Red, Regular Outside Markings
- TX46N has Two 6" Extension Slides; an Extension is ready for use on the First Section
- HX46N has a Hook; Zero Falls Inside of Hook, for Distance Measuring
- X46FN has Flat, Inside Markings; Numbering Begins on Inside of Rule

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
TX46N	037103265555	Boxed	5/8 in	6 ft	0.35 lb
HX46N	037103265746	Boxed	5/8 in	6 ft	0.39 lb
X48N	037103265708	Boxed	5/8 in	8 ft	0.50 lb
X46FN	037103265685	Boxed	5/8 in	6 ft	0.35 lb

Red End® Folding Wood Rule



- Marked Both Sides, Both Edges
- 066FN has Inside Markings; Numbering Begins on Inside of Rule; Measurement Lies Close to the Work
- 062CMEN is Marked Both Sides, Reading Left to Right on Both Sides; Rule is Graduated in millimeters with centimeters and meter markings on metric side; English Side is Marked to 1/16ths

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
T066N	037103265609	Boxed	5/8 in	6 ft	0.34 lb
066FN	037103265531	Boxed	5/8 in	6 ft	0.34 lb
062CMEN	037103265586	Boxed	5/8 in	6 ft	0.39 lb

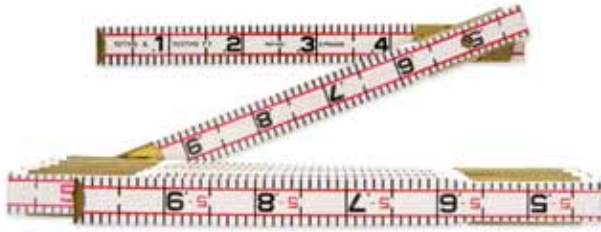
Red End® - Two Way Folding Wood Rule



- For Measuring Left to Right, Right to Left
- Marked Both Sides
- Graduated in Feet, Inches and 1/16ths on Both Sides and Both Edges
- Flat Inside Markings Lie Close to the Work

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
966N	037103265562	Boxed	5/8 in	6 ft	0.34 lb

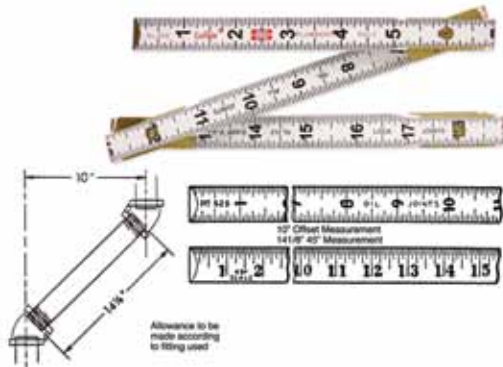
Red End® Engineer's Folding Wood Rule



- Graduated in Feet, 1/10ths and 1/100ths of Feet
- Red Foot Figures
- Regular Outside Markings in Feet, Inches and 1/16ths
- Decimal Points on Engineer's Scale Prevent Reading Errors

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
1066DN	037103265517	Boxed	5/8 in	6 ft	0.35 lb
1066DMN	037103265692	Boxed	16 mm, 5/8 in	2 m, 6.5 ft	0.36 lb

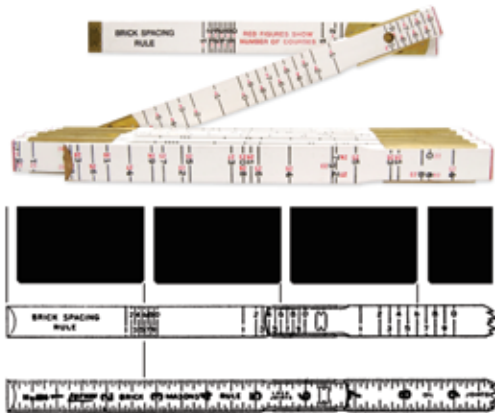
Red End® Plumber's Folding Wood Rule



- For Working with 45° Elbows to Eliminate Figuring and Chance of Error
- Graduated One Side, in Black, Inches to 1/16ths Both Edges
- Other Side in Red, 45° Scale Inches to 1/16ths Upper Edge Only
- Turning Rule From Black to Red Gives Corresponding 45° Elbow Dimension

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
626LN	037103265753	Boxed	5/8 in	6 ft	0.25 lb

Red End® Brick Mason's Folding Wood Rule



- Used By Bricklayers
- Graduated Vertical Inches to 1/16ths, Both Edges
- Brick Mason Scale on Inside, Red Course Counters Numbered Consecutively
- Regular Outside Markings in Black

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
T656N	037103265647	Boxed	5/8 in	6 ft	0.35 lb
T636N	037103265630	Boxed	5/8 in	6 ft	0.30 lb

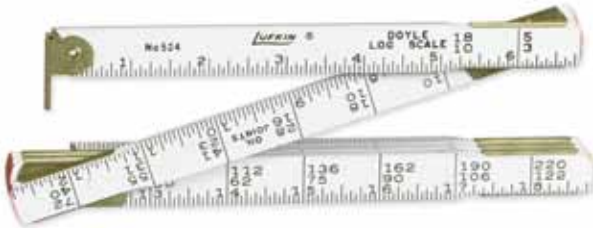
Red End® Modular Spacing Folding Wood Rule



- All Sections Have Square Ends
- Every Joint Opens on Even Number
- Inside Marked with 6 Scales in a 16" Module
- Outside is Graduated on Both Edges to 1/16ths
- The First End Section is a Short Section
- Permits Butting the Rule on the First 16" Module

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
646LN	037103265616	Boxed	5/8 in	6 ft	0.35 lb

Doyle Log Scale



- Designed for Estimating Board Feet in a Cut Log
- Graduated Inches to 1/16ths Lower Edge
- Outside Markings for 10 and 18' Logs
- Inside Markings for 12', 14' and 16' Logs

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
TT524N	037103265678	Boxed	5/8 in	48 in	0.24 lb

Steel Blacksmith's Rule



- 3/4" X 2', 1/32" Thick, 1-Fold, Tempered Steel Rule
- This Brings Rule to a Firm Stop When Opened Straight
- Riveted Joint Has Large Side Washer and a Stop
- Legible, Permanent, Deeply Etched Black Markings
- Lower Edge on One Side Graduated to 1/16ths of an Inch
- Upper Edge on Other Side to 1/8ths
- Lower Edge 75 Circumference Inches to 1/8ths
- For Converting Diameters Directly to Circumference Measurements

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
86	037103456601	Boxed	3/4 in	2 ft	0.14 lb

School Shop Steel Rules



- 1/32" X 3/4" X 12" Steel Rule
- Used in School Shops and Industrial Plants
- Medium Weight, Tempered Steel Rule
- Hole in One End for Hanging
- Deeply-Etched, Permanent Markings are Black-Filled for Easy Reading
- Large Graduations, Marked Upper Edge Both Sides
- One Side 1/8ths; Other Side 1/16ths
- Opposite Measure From Opposite Ends

Cat. No.	UPC No.	Packaging	Blade Thickness	Blade Width	Blade Length	Product Weight
6012IN	037103450739	Boxed	1/32 in	3/4 in	12 in	0.07 lb

One-Piece Steel Rules



- Bold Markings, Deeply Etched and Permanent are Black Filled
- Heavier than on Machine-Divided Rules
- Large Graduations, Marked Both Sides, Both Edges
- Upper Edge Graduated in 1/8ths, Lower Edge in 1/16ths
- Opposite Sides Measure From Opposite Ends

Cat. No.	UPC No.	Packaging	Blade Thickness	Blade Width	Blade Length	Product Weight
621FT	037103450791	Boxed	1/16 in	1-1/4 in	1 ft	0.30 lb
622FT	037103450807	Boxed	1/16 in	1-1/4 in	2 ft	0.50 lb
623FT	037103450814	Boxed	1/16 in	1-1/4 in	3 ft	0.80 lb
624FT	037103450821	Boxed	1/16 in	1-1/4 in	4 ft	1.00 lb
626FT	037103450838	Boxed	1/16 in	1-1/4 in	6 ft	1.50 lb

Aluminum Yardstick



- Finest Quality Aluminum Yardstick
- Lightweight, Flexible, Rustproof and Sharply Defined Yardstick
- Lies Flat and Has a Hang-Up Hole for Storage
- Easy-To-Read Markings on Straight Parallel Edges
- Fine Graduations One Side Only, Both Edges in Inches to 1/16ths

Cat. No.	UPC No.	Packaging	Blade Thickness	Blade Width	Blade Length	Product Weight
1260	037103453808	Boxed	1/32 in	15/64 in	36 in	0.30 lb

Tinner's Steel Circumference Rules



- Standard Rule with Tinner's and Other Sheet Metalworkers
- Tempered Medium-Weight Steel
- Hole in One End for Hanging
- Markings are Black for Easy Reading
- One Side Upper Edge Marked Inches to 1/16ths
- Reverse Side has Formulas for Calculating Circumference, Diameter, Area
- Size Tables for Laying Out Measures and Cans

Cat. No.	UPC No.	Packaging	Blade Thickness	Blade Width	Blade Length	Product Weight
953FT	037103450982	Boxed	1/16 in	1-1/4 in	3 ft	0.80 lb
954FT	037103450999	Boxed	1/16 in	1-1/4 in	4 ft	1.00 lb

Metric English Aluminum Meter Stick



- Useful for Making the Transition to the Metric System
- Graduated on Front Side in Inches to 1/16ths on Upper Edge
- Graduated Decimeters, Centimeters and Millimeters Lower Edge
- Other Side Shows Table of Equivalents and Conversions

Cat. No.	UPC No.	Packaging	Blade Thickness	Blade Width	Blade Length	Product Weight
1261ME	037103453815	Boxed	1/32 in	1 in, 27 mm	1 m	0.40 lb

Pro Series Measuring Wheels



PSMW38



PSMW18

- Measure as Fast as You Can Walk
- Wheel Calibrated to Counter - Accurate for Estimated Measurements
- Feet & Inches

Cat. No.	UPC No.	Packaging	Description	Ext. Length	Folded Length	Product Weight	Shelf Pack Qty.
PSMW18	037103195272	Carded	Measuring Wheel, Pro Series, Compact, 8ths	42 in	21 in	1.15 lb	6
PSMW38	037103195289	Carded	Measuring Wheel, Pro Series, Contractor's, 8ths	45.5 in	25 in	3.35 lb	2

Measuring Wheels



MW18



MW38

- Measure as Fast as You Can Walk
- Wheel Calibrated to Counter - Accurate for Estimated Measurements

Cat. No.	UPC No.	Packaging	Description	Ext. Length	Folded Length	Product Weight	Shelf Pack Qty.
MW18TP	037103197368	Carded	Executive Measuring Wheel, Feet and Inches in 8ths	26 in	17 in	0.90 lb	-
MW18M	037103142061	Carded	Executive Measuring Wheel, Meters/Decimeters	26 in	17 in	1.00 lb	6
MW38TP	037103197375	Carded	Contractor Measuring Wheel, Feet & Inches in 8ths	41 in	30 in	2.30 lb	-
MW38M	037103142078	Carded	Contractor Measuring Wheel, Meters/Decimeters	41 in	30 in	2.50 lb	-



The most recognized
brand of files in the world
since 1864

- Files & Rasps
- File Accessories
- Hack Saws
- Hand Saws





In 1864, Nicholson® became the first successful manufacturer of machine-made files. Today, they are the most recognized brand of file in the world. Over the years, the Nicholson product line has increased in scope and size, and now includes files, rasps and handsaws, all manufactured to uncompromising standards of quality.



Files, File Accessories & Saws



EDGED TO PERFECTION

- **Precision Engineered** to provide maximum gram removal per stroke and amazing longevity
- **Rubber Coating** eliminates pressure points and allows a comfortable grip
- **Ergonomic Handle** has raised ribs and wide middle prevents files from slipping
- **Rear Taper** allows your hand to lock securely around the handle for increased push force
- **Resharpenable Teeth** for a longer saw life

Precision Engineered



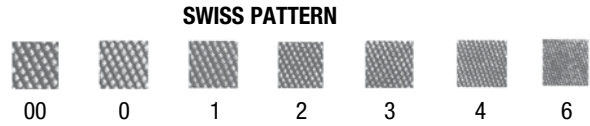
Ergonomic Handle



TECH INFORMATION

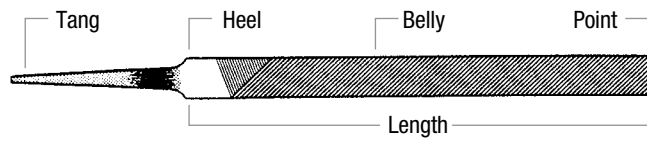
File Terminology

COARSENESS



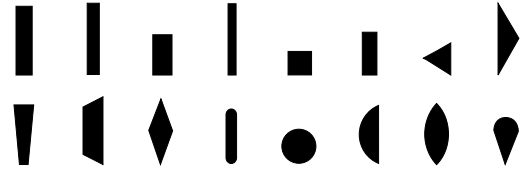
- Work to be accomplished, whether roughing or finishing, will determine type of teeth and coarseness for each application
- Most American pattern files are available with 3 grades of cut: bastard-cut, second-cut and smooth-cut
- Swiss pattern files are available in seven cuts: No. 00, 0, 1, 2, 3, 4, and 6
- The degree of coarseness is greater in longer files, but differences between bastard, second and smooth are proportionate

LENGTH



- Length is measured exclusive of tang, from point to heel, unless specified otherwise
- Desired stroke length, type of material and size will determine length required

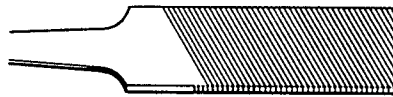
SHAPE



- Area to be filed will determine specific cross-section (round, square, flat, etc.) to be used

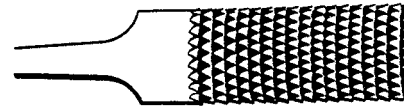
Kinds of Teeth

SINGLE-CUT



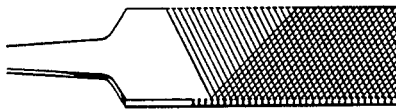
- Single set of parallel, diagonal rows of teeth
- Single-cut files are often used with light pressure to produce a smooth surface finish or to put a keen edge on knives, shears or saws

RASP-CUT



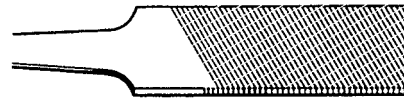
- Series of individual teeth which are formed by a single-pointed tool
- Produces a rough cut that is used primarily on wood, hooves, aluminum and lead

DOUBLE-CUT



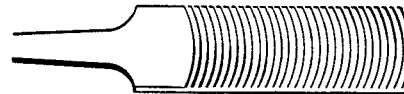
- 2 sets of diagonal rows of teeth
- Second set of teeth cut in opposite diagonal direction and on top of the first set
- First set of teeth is known as the overcut, second is known as upcut
- Upcut is finer than overcut
- Double-cut file is used with heavier pressure than the single-cut and removes material faster from the workpiece

MAGICUT®



- Single cut teeth divided by angular serrations into shorter cutting edges, which free themselves readily from chips and perform roughing and smoothing at the same time

CURVED-CUT



- Teeth arranged in curved contours across the file face
- Curved-cut file is normally used in automotive body shops for smoothing body panels

Safety Information

	⚠ WARNING
	Wear safety goggles to protect your eyes. Never use a file without a tight fitting handle.
	⚠ AVERTISSEMENT
	Porter des lunettes de protection. Ne jamais utiliser une lime sans poignée bien ajustée.
	⚠ ADVERTENCIA
	Use gafas de seguridad para proteger sus ojos. Nunca utilice una lima con el mango suelto.

⚠ WARNING	⚠ AVERTISSEMENT	⚠ ADVERTENCIA
Risk Of Eye Injury Wear ANSI Approved Eye Protection	Risque de dommages d'oeil Protection d'oeil approuvée de l'usage A.N.S.I.	Riesgo de lesión del ojo Protección de ojo aprobada del desgaste ANSI

Aluminium Files - Type "A" Flat



- American Pattern Flat Aluminum Type
- All Sizes Have Same Number of Teeth Per Inch
- Special Tooth Construction Eliminates Clogging When Filing Aluminum
- Smooth Finish Obtained By Using Shearing Cut Toward Left
- Flat Shape

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
00001N	037103242525	Boxed	6 in	Double Cut	0.10 lb	12
00024N	037103242532	Boxed	8 in	Double Cut	0.25 lb	12
00047N	037103242549	Boxed	10 in	Double Cut	0.45 lb	6
00070N	037103242556	Boxed	12 in	Double Cut	0.80 lb	6

Axe Sharpening File



- American Pattern Axe Sharpening File
- Double-Cut on 1 Side, Single-Cut on Opposite
- Ideal for Sharpening Axes and Miscellaneous Garden Tools
- 2 Safe Edges
- Rectangular Shape
- Length Measured Exclusive of Handle

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
06704N	037103242907	Boxed	8 in	Single/Double	0.45 lb	12
06706N	037103242914	Carded	8 in	Single/Double	0.50 lb	6

Chain Saw Files - Flat



- American Pattern Flat Chain Saw File
- Rectangular Shape
- Used for Cutter-Raker Type (2 Round Edges) Chain Saw

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
02215N	037103242563	Boxed	8 in	Single	0.25 lb	12

Chain Saw Files - Round



- American Pattern Round Chain Saw File
- Tighten Tension on Chain to Firmly Support Cutters When Filing
- File From Inside to Outside of Cutter
- Place File Against Beveled Cutting Surface of Teeth 20° to 45° with Saw
- Follow Saw Manufacturers' Specifications
- Sharpen All Left Hand Cutters on One Side of Chain
- Then Move to the Other Side and File All the Right Hand Cutters
- Check Depth Gauge Height Every 2 or 3 Sharpenings
- Height Between Cutting Teeth and Depth Gauge is Between 0.020" to 0.030"

Cat. No.	UPC No.	Packaging	Packaged	Length	Diameter	File Cut	Product Weight	Shelf Pack Qty.
01590	037103015907	Carded	1/Card	6 in	1/8 in	Knurl Cut	0.08 lb	6
02144N	037103221735	Boxed	-	6 in	1/8 in	Knurl Cut	0.02 lb	6
01630	037103016300	Carded	1/Card	6 in	5/32 in	Knurl Cut	0.08 lb	3
01633	037103016331	Carded	2/Card	6 in	5/32 in	Knurl Cut	0.08 lb	6
02145N	037103221681	Boxed	-	6 in	5/32 in	Knurl Cut	0.03 lb	6
01974	037103019745	Carded	1/Card	8 in	1/4 in	Knurl Cut	0.14 lb	6
02147N	037103221698	Boxed	-	8 in	1/4 in	Knurl Cut	0.10 lb	6
23861	037103238610	Carded	1/Card	8 in	13/64 in	Knurl Cut	0.18 lb	6
01765	037103017659	Carded	1/Card	8 in	3/16 in	Knurl Cut	0.09 lb	6
01768	037103017680	Carded	2/Card	8 in	3/16 in	Knurl Cut	0.08 lb	6
02229B	037103232960	Bagged	-	8 in	3/16 in	Knurl Cut	0.19 lb	4
01891	037103018915	Carded	1/Card	8 in	5/32 in	Knurl Cut	0.09 lb	6
02228B	037103232953	Bagged	-	8 in	5/32 in	Knurl Cut	0.13 lb	4
01888	037103018885	Carded	1/Card	8 in	7/32 in	Knurl Cut	0.10 lb	3
01894	037103018946	Carded	2/Card	8 in	7/32 in	Knurl Cut	0.09 lb	6
02230B	037103232977	Bagged	-	8 in	7/32 in	Knurl Cut	0.24 lb	4

Depth Gauge Chain Saw File



- American Pattern Depth Gauge Chain Saw File
- Rectangular Shape
- Single Cut, Safe Edges
- Length Shown is Overall Length of File
- Used for Filing and Maintaining Proper Depth Gauge Clearance

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
02244N	037103242570	Boxed	8 in	Single	0.08 lb	12

Double Ender Files



- American Pattern Taper File, Regular
- Triangular Shape
- Tapers Slightly Towards the Point
- File Supplied with Handles
- Double-Ended 1/2 File
- Sides and Edges Are Single-Cut From Points to Center Giving Full Use of File

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
02884M	037103143914	Boxed	6 in	Single	0.05 lb	12
02905M	037103143969	Boxed	7 in	Single	0.05 lb	12
02926M	037103144003	Boxed	8 in	Single	0.07 lb	12

Farmer's Own File



- American Pattern Farmer's Own File
- General Purpose File Suited for Agricultural Use
- Rectangular Shape, Single Cut, Safe Edges
- Length Measured Exclusive of Handle
- Convenient Hang Up Hole

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
06637N	037103242860	Carded	6 in	Single	0.30 lb	6
06649N	037103242877	Boxed	8 in	Single	0.45 lb	12
06668N	037103242884	Boxed	10 in	Single	0.70 lb	6
08922N	037103243218	Carded	8 in	Single	0.50 lb	6

Flat Files



- American Pattern Flat File, Bastard Cut
- Used By Machinists, Machinery Builders, Ship and Engine Builders
- Also By Repairman and Others Who Require Rapid Removal of Metal
- Rectangular in Cross Section and Taper Slightly Towards Point in Width
- Double Cut on Sides, Single Cut on Edges

Cat. No.	UPC No.	Packaging	Length	Handled	File Cut	Product Weight	Shelf Pack Qty.
03367N	037103242600	Boxed	4 in	No	Bastard	0.03 lb	12
03401N	037103242617	Boxed	4 in	No	Second	0.03 lb	12
03434N	037103242624	Boxed	4 in	No	Smooth	0.03 lb	12
03467N	037103242631	Boxed	6 in	No	Bastard	0.10 lb	12
03500N	037103242648	Boxed	6 in	No	Second	0.10 lb	12
03533N	037103242655	Boxed	6 in	No	Smooth	0.10 lb	12
03534N	037103242662	Carded	6 in	No	Smooth	0.15 lb	6
03566N	037103242679	Boxed	8 in	No	Bastard	0.25 lb	12
03599N	037103242686	Boxed	8 in	No	Second	0.25 lb	12
03632N	037103242693	Boxed	8 in	No	Smooth	0.25 lb	12
03633N	037103242709	Carded	8 in	No	Smooth	0.25 lb	6
03665N	037103242716	Boxed	10 in	No	Bastard	0.45 lb	6
03698N	037103242723	Boxed	10 in	No	Second	0.45 lb	6
03731N	037103242730	Boxed	10 in	No	Smooth	0.45 lb	6
03732N	037103242747	Carded	10 in	No	Smooth	0.60 lb	6
03762N	037103242754	Carded	12 in	No	Bastard	0.75 lb	6
03764N	037103242761	Boxed	12 in	No	Bastard	0.80 lb	6
03797N	037103242778	Boxed	12 in	No	Second	0.80 lb	6
03830N	037103242785	Boxed	12 in	No	Smooth	0.80 lb	6
03863N	037103242792	Boxed	14 in	No	Bastard	1.10 lb	6
03896N	037103242815	Boxed	14 in	No	Second	1.10 lb	6
03929N	037103242808	Boxed	14 in	No	Smooth	1.10 lb	6
03980N	037103242822	Boxed	16 in	No	Bastard	2.00 lb	6
21748HN	037103243485	Carded	8 in	Yes	Bastard	0.35 lb	6
21862N	037103243591	Carded	8 in	No	Bastard	0.20 lb	3
21867N	037103243607	Carded	6 in	No	Bastard	0.15 lb	3
21868HN	037103243614	Carded	10 in	Yes	Bastard	0.60 lb	3
21868N	037103243621	Carded	10 in	No	Bastard	0.48 lb	3

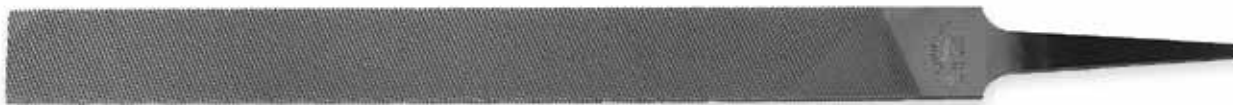
Half Round Files



- Used on Concave, Convex and Flat Surfaces
- Flat Sides of All Half-Round Files Are Double Cut
- Rounded on 1 Side, Flat on Opposite
- Pipeliner file (#05190N) is single-cut on both sides

Cat. No.	UPC No.	Packaging	Length	Handled	File Cut	Product Weight	Shelf Pack Qty.
04695N	037103218513	Boxed	4 in	No	Bastard	0.06 lb	12
04729N	037103218407	Boxed	4 in	No	Second	0.06 lb	12
04762N	037103218414	Boxed	4 in	No	Smooth	0.06 lb	12
04795N	037103218520	Boxed	6 in	No	Bastard	0.13 lb	12
04798HN	037103218957	Carded	6 in	Yes	Bastard	0.36 lb	6
04828N	037103218438	Boxed	6 in	No	Second	0.10 lb	12
04861N	037103218445	Boxed	6 in	No	Smooth	0.10 lb	12
04896N	037103218551	Boxed	8 in	No	Bastard	0.27 lb	12
04927N	037103218568	Boxed	8 in	No	Second	0.25 lb	12
04960N	037103218728	Boxed	8 in	No	Smooth	0.25 lb	12
04995N	037103218803	Boxed	10 in	No	Bastard	0.55 lb	6
05026N	037103218612	Boxed	10 in	No	Second	0.49 lb	6
05059N	037103218827	Boxed	10 in	No	Smooth	0.53 lb	6
05090N	037103219015	Carded	12 in	No	Bastard	0.90 lb	6
05094N	037103218650	Boxed	12 in	No	Bastard	0.85 lb	6
05125N	037103218841	Boxed	12 in	No	Second	0.90 lb	6
05158N	037103218889	Boxed	12 in	No	Smooth	0.95 lb	6
05190N	037103218940	Boxed	14 in	No	Bastard	1.50 lb	6
05194N	037103218926	Boxed	14 in	No	Bastard	1.25 lb	6
05225N	037103218933	Boxed	14 in	No	Second	1.27 lb	6
05258N	037103218711	Boxed	14 in	No	Smooth	1.28 lb	6
05307N	037103218018	Boxed	16 in	No	Bastard	1.99 lb	6
21745HN	037103219039	Carded	8 in	Yes	Bastard	0.40 lb	6
21745N	037103219022	Carded	8 in	Yes	Bastard	0.40 lb	6
21746HN	037103219046	Carded	10 in	Yes	Bastard	0.69 lb	6
21857N	037103219077	Carded	8 in	No	Bastard	0.30 lb	6
21858N	037103219091	Carded	10 in	No	Bastard	0.56 lb	6
21881N	037103219114	Carded	6 in	No	Bastard	0.15 lb	6

Hand Files



- American Pattern Hand File, Bastard Cut
- Rectangular Shape
- Double Cut
- 1 Safe Edge
- Same Coarseness As Flat Files of Corresponding Lengths

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
05652N	037103241443	Boxed	4 in	Bastard	0.05 lb	12
05675N	037103241450	Boxed	4 in	Second	0.05 lb	12
05738N	037103241467	Boxed	6 in	Bastard	0.15 lb	12
05771N	037103241474	Boxed	6 in	Second	0.15 lb	12
05804N	037103241481	Boxed	6 in	Smooth	0.15 lb	12
05853N	037103241498	Boxed	8 in	Bastard	0.30 lb	12
05886N	037103241504	Boxed	8 in	Second	0.30 lb	12
05919N	037103241511	Boxed	8 in	Smooth	0.30 lb	12
05968N	037103241528	Boxed	10 in	Bastard	0.50 lb	6
06001NN	037103241535	Boxed	10 in	Second	0.50 lb	6
06034N	037103241542	Boxed	10 in	Smooth	0.50 lb	6
06084N	037103241559	Boxed	12 in	Bastard	0.95 lb	6
06117N	037103241566	Boxed	12 in	Second	0.95 lb	6
06150N	037103241573	Boxed	12 in	Smooth	0.95 lb	6
06198N	037103241580	Boxed	14 in	Bastard	1.44 lb	6

Handy File



- American Pattern Handy File
- One Side is Single Cut for Tool Sharpening and Smoothing Metal Surfaces
- Reverse Side is Double-Cut for General Filing and Rapid Stock Removal
- Rectangular Shape
- 1 Cut Edge, 1 Safe Edge
- Length Measured Exclusive of Handle

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
06601N	037103242846	Carded	8 in	Single/Double	0.37 lb	6
06602N	037103242853	Boxed	8 in	Single/Double	0.60 lb	12
06686N	037103242891	Boxed	12 in	Single/Double	0.90 lb	6

Home and Garden File



- American Pattern Home and Garden File
- Ideal Utility File for Home Owner
- For Sharpening Woodworking Tools (Chisels, Scrapers)
- Also for Garden Tools (Hoes, Shovels, Rotary Mower Blades)
- Rectangular Shape

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
11488N	037103243300	Carded	10 in	Double	0.30 lb	6

Knife Files



- American Pattern Knife File, Bastard Cut
- Used Primarily By Tool and Die Makers with Work Having Acute Angles
- Triangular Shape
- Double-Cut on Sides, Single-Cut on Sharp Edge
- Knife Files Are Supplied with Safe Backs

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
06711N	037103241634	Boxed	4 in	Bastard	0.03 lb	12
06742N	037103241641	Boxed	4 in	Second	0.03 lb	12
06773N	037103241658	Boxed	4 in	Smooth	0.03 lb	12
06804N	037103241665	Boxed	6 in	Bastard	0.10 lb	12
06836N	037103241672	Boxed	6 in	Second	0.10 lb	12
06867N	037103241689	Boxed	6 in	Smooth	0.10 lb	12
06898N	037103241696	Boxed	8 in	Bastard	0.15 lb	12
06930N	037103241702	Boxed	8 in	Second	0.15 lb	12
06961N	037103241719	Boxed	8 in	Smooth	0.15 lb	12
06992N	037103241726	Boxed	10 in	Bastard	0.35 lb	6
07023N	037103241733	Boxed	10 in	Second	0.35 lb	12
07054N	037103241740	Boxed	10 in	Smooth	0.35 lb	12
07085N	037103241757	Boxed	12 in	Bastard	0.70 lb	6

Long Angle Lathe Files - Bastard



- American Pattern Flat Long Angle Lathe File, Bastard Cut
- Rapid, Free Cutting Files Designed for Lathe Filing
- Rectangular Shape
- Single Cut
- Safe Edges to Protect Shoulder or Dog
- Made on Flat File Blanks in Bastard-Cut
- Cut Faster Than Regular Mill Files and Leave Smoother Finish

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
07657N	037103242938	Boxed	10 in	Bastard	0.45 lb	6
07688N	037103242945	Boxed	12 in	Bastard	0.80 lb	6
07719N	037103242952	Boxed	14 in	Bastard	1.10 lb	6

Long Angle Lathe Files - Fine



- American Pattern Hand Long Angle Lathe File, Fine Cut
- Specially Designed for Finishing Rapid Stock Removal on Lathe Work
- Rectangular Shape
- Safe Edges
- Cut Faster Than Regular Mill Files and Leave Smoother Finish

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
07835N	037103241597	Boxed	8 in	Fine	0.30 lb	12
07842N	037103241603	Boxed	10 in	Fine	0.50 lb	6
07851N	037103241610	Boxed	12 in	Fine	0.93 lb	6
07863N	037103241627	Boxed	14 in	Fine	1.40 lb	6

Magicut® Files - Flat



- American Pattern Flat Magicut® File
- Used By Machinists As All-Purpose File to Remove Stock Rapidly
- Leaves A Smooth Finish
- Rectangular Shape, Tapered Point in Width
- File Features A Pattern of Narrow Chip Breakers
- Created By Steep, Angled Serrations for Rapid Removal, Smoother Finish

Cat. No.	UPC No.	Packaging	Length	Handled	File Cut	Product Weight	Shelf Pack Qty.
07894N	037103242969	Boxed	8 in	No	Magicut®	0.25 lb	12
07917N	037103242976	Boxed	10 in	No	Magicut®	0.45 lb	6
07941N	037103242983	Boxed	12 in	No	Magicut®	0.80 lb	6
07965N	037103242990	Boxed	14 in	No	Magicut®	1.10 lb	6

Mill Files



- American Pattern Mill File, Bastard Cut
- Used for Sharpening Mill or Circular Saws
- Also for Draw-Filing and Finishing Metals
- Rectangular Shape
- Single Cut on Sides and Edges
- 2 Square Edges
- All Sizes Taper Slightly in Width

Cat. No.	UPC No.	Packaging	Length	Handled	File Cut	Product Weight	Shelf Pack Qty.
08243N	037103243003	Boxed	4 in	No	Bastard	0.03 lb	12
08306N	037103243010	Boxed	4 in	No	Smooth	0.03 lb	12
08354N	037103243027	Boxed	6 in	No	Bastard	0.10 lb	12
08385N	037103243041	Boxed	6 in	No	Second	0.10 lb	12
08416N	037103243058	Boxed	6 in	No	Smooth	0.10 lb	12
08497N	037103243065	Boxed	8 in	No	Bastard	0.25 lb	12
08529N	037103243089	Boxed	8 in	No	Second	0.25 lb	12
08559N	037103243096	Carded	8 in	No	Smooth	0.25 lb	6
08560N	037103243102	Boxed	8 in	No	Smooth	0.25 lb	12
08642N	037103243119	Boxed	10 in	No	Bastard	0.45 lb	12
08673N	037103243133	Boxed	10 in	No	Second	0.45 lb	12
08702N	037103243140	Carded	10 in	No	Smooth	0.60 lb	6
08704N	037103243157	Boxed	10 in	No	Smooth	0.45 lb	12
08737N	037103243164	Boxed	12 in	No	Bastard	0.80 lb	6
08768N	037103243171	Boxed	12 in	No	Second	0.80 lb	6
08799N	037103243188	Boxed	12 in	No	Smooth	0.80 lb	6
08832N	037103243195	Boxed	14 in	No	Bastard	1.10 lb	6
08894N	037103243201	Boxed	14 in	No	Smooth	1.10 lb	6
08925N	037103243225	Boxed	16 in	No	Bastard	2.00 lb	6
21687HN	037103243416	Carded	6 in	Yes	Bastard	0.25 lb	6
21687N	037103243423	Carded	6 in	Yes	Bastard	0.25 lb	6
21694HN	037103243447	Carded	8 in	Yes	Bastard	0.35 lb	6
21694N	037103243454	Carded	8 in	Yes	Bastard	0.35 lb	6
21701HN	037103243461	Carded	10 in	Yes	Bastard	0.60 lb	6
21701N	037103243478	Carded	10 in	Yes	Bastard	0.60 lb	6
21825N	037103243508	Carded	6 in	No	Bastard	0.18 lb	6
21832N	037103243515	Carded	8 in	No	Bastard	0.25 lb	6
21839N	037103243546	Carded	10 in	No	Bastard	0.60 lb	6
21842HN	037103243553	Boxed	12 in	Yes	Bastard	0.80 lb	-
21842N	037103243560	Carded	12 in	No	Bastard	0.72 lb	3

Mill Files - 1 and 2 Round Edges



- Round Edges Are Used Where Rounding Gullets Are Preferred
- Compared to Sharp Corners or Squared Gullets
- Rectangular Shape
- Single Cut on Sides and Edges
- Bastard Cut
- Same As Regular Mill File Except It Has 1 Round Edge

Cat. No.	UPC No.	Packaging	Length	Handled	File Cut	Edge Type	Product Weight	Shelf Pack Qty.
09099N	037103243232	Boxed	8 in	No	Bastard	One Round	0.25 lb	12
09179N	037103243249	Boxed	10 in	No	Bastard	One Round	0.45 lb	12
09227N	037103243256	Boxed	12 in	No	Bastard	One Round	0.80 lb	6
09389N	037103243263	Boxed	8 in	No	Bastard	Two Round	0.25 lb	12
09469N	037103243270	Boxed	10 in	No	Bastard	Two Round	0.45 lb	12

Round Files



- American Pattern Round File, Bastard Cut
- Primarily Used to File Circular Openings or Concave Surfaces
- Single Cut
- Tapered Slightly Towards Point
- Round Shape
- Safe Point on Round Files

Cat. No.	UPC No.	Packaging	Length	Handled	Diameter	File Cut	Product Weight	Shelf Pack Qty.
11526N	037103231901	Boxed	4 in	No	1/8 in	Bastard	0.02 lb	12
11559NN	037103231895	Boxed	4 in	No	1/8 in	Second	0.02 lb	12
11592NN	037103231918	Boxed	4 in	No	1/8 in	Smooth	0.02 lb	12
11637N	037103231925	Boxed	5 in	No	3/16 in	Bastard	0.03 lb	12
11716N	037103231826	Boxed	6 in	No	1/4 in	Bastard	0.02 lb	12
11748N	037103231987	Boxed	6 in	No	1/4 in	Second	0.05 lb	12
11781N	037103231994	Boxed	6 in	No	1/4 in	Smooth	0.05 lb	12
11904	037103119049	Boxed	8 in	No	5/16 in	Bastard	0.14 lb	12
11936	037103119360	Boxed	8 in	No	5/16 in	Second	0.10 lb	12
11969	037103119698	Boxed	8 in	No	5/16 in	Smooth	0.20 lb	12
12019	037103120199	Boxed	10 in	No	3/8 in	Bastard	0.25 lb	12
12051	037103120519	Boxed	10 in	No	3/8 in	Second	0.25 lb	12
12084	037103120847	Boxed	10 in	No	3/8 in	Smooth	0.30 lb	12
12131	037103121318	Carded	12 in	No	1/2 in	Bastard	0.60 lb	6
12134	037103121349	Boxed	12 in	No	1/2 in	Bastard	0.55 lb	6
12166	037103121660	Boxed	12 in	No	1/2 in	Second	0.55 lb	6
12199	037103121998	Boxed	12 in	No	1/2 in	Smooth	0.55 lb	6
12248	037103122483	Boxed	14 in	No	5/8 in	Bastard	1.00 lb	6
21708N	037103232007	Carded	6 in	Yes	1/4 in	Bastard	0.21 lb	6
21715	037103217158	Carded	8 in	Yes	5/16 in	Bastard	0.26 lb	6
21846N	037103232014	Carded	6 in	No	1/4 in	Bastard	0.12 lb	3
21853	037103218537	Carded	8 in	No	5/16 in	Bastard	0.16 lb	6
21854	037103218544	Carded	10 in	No	3/8 in	Bastard	0.30 lb	6

Square Files



- American Pattern Square File, Bastard Cut
- Used on Slots, Keyways and General Surface Filing
- Square Shape
- Double Cut
- Tapered Slightly Towards Point
- Larger Sizes Frequently Preferred to Corresponding Flat Files
- This is Due to a Heavier Section and 4 Filing Surfaces

Cat. No.	UPC No.	Packaging	Length	Diameter	File Cut	Product Weight	Shelf Pack Qty.
12790	037103127907	Boxed	4 in	5/32 in	Bastard	0.03 lb	12
12857	037103128577	Boxed	4 in	5/32 in	Smooth	0.03 lb	12
12967	037103129673	Boxed	6 in	1/4 in	Bastard	0.10 lb	12
13000N	037103130006	Boxed	6 in	1/4 in	Second	0.08 lb	12
13033	037103130334	Boxed	6 in	1/4 in	Smooth	0.08 lb	12
13081	037103130815	Boxed	8 in	5/16 in	Bastard	0.10 lb	12
13114	037103131140	Boxed	8 in	5/16 in	Second	0.10 lb	12
13147	037103131478	Boxed	8 in	5/16 in	Smooth	0.55 lb	12
13196	037103131966	Boxed	10 in	3/8 in	Bastard	0.30 lb	12
13229	037103132291	Boxed	10 in	3/8 in	Second	0.30 lb	12
13262	037103132628	Boxed	10 in	3/8 in	Smooth	0.30 lb	12
13310	037103133106	Boxed	12 in	1/2 in	Bastard	0.65 lb	6
13343	037103133434	Boxed	12 in	1/2 in	Second	0.68 lb	6
13376	037103133762	Boxed	12 in	1/2 in	Smooth	0.65 lb	6
13425	037103134257	Boxed	14 in	5/8 in	Bastard	1.20 lb	6

Taper (Triangular) Saw Files

Number of Saw Points	Files Recommended
4	7" Heavy or 8" Regular Taper
5	7" Regular Taper or 10" Slim
5 1/2	7" Regular Taper or 10" Slim
6	5" or 6" Regular Taper 7" or 8" Slim
7	6" or 7" Slim
8	4" Regular Taper 6" Slim, 7" X Slim, 8" XX Slim
9	5" Slim, 6" X Slim, 7" XX Slim
10	3 1/2" Regular Taper or 5" Slim, 5" or 6" X Slim
11	3" Regular Taper or 4" Slim, 5" X Slim, 6" XX Slim
12	3" Regular Taper or 5" X Slim
13,14	4" X Slim or 5" XX Slim
15,16	4" XX Slim

- Made for Filing Saws with 60° Angle Teeth
- Triangular Shape
- Single-Cut
- Edges Set and Cut for Filing Gullets Between Saw Teeth
- When Filing Handsaws, it is Important to Select the Right File
- In general, the table lists suggested size and type of file that will give best result

Taper Files - Heavy



- American Pattern Taper File, Regular
- Made for Filing Saws with 60° Angle Teeth
- Triangular Shape
- Edges Set and Cut for Filing Gullets Between Saw Teeth
- Tapers Slightly Towards the Point
- When Filing Handsaws, it is Important to Select the Right File

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
14048M	037103142870	Boxed	7 in	Single	0.30 lb	12

Taper Files - Machete



- American Pattern Taper File, Machete
- Used for Sharpening Machete Knife Blades
- Single Cut with No Edge Teeth
- Triangular in Shape
- Tapers Slightly Towards the Point

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
13878M	037103162601	Boxed	8 in	Single	0.35 lb	12

Taper Files - Regular



- American Pattern Taper File, Regular
- Made for Filing Saws with 60° Angle Teeth
- Triangular Shape
- Single Cut
- Edges Set and Cut for Filing Gullets Between Saw Teeth
- Tapers Slightly Towards the Point
- When Filing Handsaws, It is Important to Select the Right File

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
13692M	037103162526	Boxed	3 in	Single	0.03 lb	12
13710M	037103162533	Boxed	3-1/2 in	Single	0.04 lb	12
13727M	037103162540	Boxed	4 in	Single	0.05 lb	12
13772M	037103162564	Boxed	5 in	Single	0.10 lb	12
13807M	037103143952	Boxed	6 in	Single	0.15 lb	12
13841M	037103162502	Boxed	7 in	Single	0.25 lb	12
13875M	037103162595	Boxed	8 in	Single	0.35 lb	12
13930N	037103218490	Boxed	10 in	Single	0.60 lb	12

Taper Files - Slim



- American Pattern Taper File, Slim
- Made for Filing Saws with 60° Angle Teeth
- Triangular Shape
- Single Cut
- Edges Set and Cut for Filing Gullets Between Saw Teeth
- Tapers Slightly Towards the Point
- In Filing Handsaws, it is Important to Select the Right File

Cat. No.	UPC No.	Packaging	Length	Handled	File Cut	Product Weight	Shelf Pack Qty.
14106M	037103142511	Boxed	4 in	No	Single	0.03 lb	12
14139M	037103162625	Boxed	4-1/2 in	No	Single	0.04 lb	12
14162M	037103142528	Boxed	5 in	No	Single	0.05 lb	12
14224M	037103142535	Boxed	6 in	No	Single	0.09 lb	12
14255M	037103142610	Boxed	7 in	No	Single	0.14 lb	12
14290M	037103142894	Boxed	8 in	No	Single	0.30 lb	12
14341N	037103218377	Boxed	10 in	No	Single	0.41 lb	12
21729HN	037103217882	Carded	6 in	Yes	Single	1.00 lb	6
21729N	037103217875	Carded	6 in	Yes	Single	0.20 lb	6
21755N	037103264930	Carded	7 in	Yes	Single	2.13 lb	6
21866N	037103217929	Carded	6 in	No	Single	0.11 lb	6

Taper Files - Extra Slim



- American Pattern Taper File, Extra Slim
- Made for Filing Saws with 60° Angle Teeth
- Triangular Shape
- Single Cut
- Edges Set and Cut for Filing Gullets Between Saw Teeth
- Tapers Slightly Towards the Point
- In Filing Handsaws, It is Important to Select the Right File

Cat. No.	UPC No.	Packaging	Length	Handled	File Cut	Product Weight	Shelf Pack Qty.
14547M	037103142580	Boxed	4 in	No	Single	0.02 lb	12
14599M	037103142931	Boxed	5 in	No	Single	0.03 lb	12
14600N	037103217806	Carded	5 in	No	Single	0.05 lb	6
14665M	037103144034	Boxed	6 in	No	Single	0.05 lb	12
14696N	037103217837	Carded	7 in	No	Single	0.15 lb	6
14698N	037103217707	Boxed	7 in	No	Single	0.10 lb	12
14729N	037103217714	Boxed	8 in	No	Single	0.20 lb	12
21736N	037103217899	Carded	6 in	Yes	Single	0.19 lb	6
21873N	037103217950	Carded	6 in	No	Single	0.05 lb	6
21875N	037103218155	Carded	4 in	No	Single	0.05 lb	6

Taper Files - Double Extra Slim



- American Pattern Taper File, Double Extra Slim
- Made for Filing Saws with 60° Angle Teeth
- Triangular Shape
- Single Cut
- Edges Set and Cut for Filing Gullets Between Saw Teeth
- Tapers Slightly Towards the Point
- In Filing Handsaws, It is Important to Select the Right File

Cat. No.	UPC No.	Packaging	Length	Handled	File Cut	Product Weight	Shelf Pack Qty.
14942M	037103142597	Boxed	4 in	No	Single	0.02 lb	12
14992M	037103142603	Boxed	5 in	No	Single	0.03 lb	12
15024N	037103217721	Boxed	6 in	No	Single	0.05 lb	12
15056N	037103217745	Boxed	7 in	No	Single	0.04 lb	12
15087N	037103217752	Boxed	8 in	No	Single	0.10 lb	12
21743N	037103217905	Carded	6 in	Yes	Single	0.20 lb	6
21874N	037103217974	Carded	6 in	No	Single	0.05 lb	6

Three Square Files



- American Pattern Three Square File, Bastard Cut
- For General Use By Machinists for Filing Internal Angles
- More Acute Than Right Angles, Clearing Out Square Corners
- Filing Taps and Gutters
- Triangular Shape
- Double Cut
- Sharp Corners Are Slightly Set and Cut
- Cut to the Point

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
15925N	037103218223	Boxed	6 in	Bastard	0.17 lb	12
15958N	037103218308	Boxed	6 in	Second	0.15 lb	12
15991N	037103218247	Boxed	6 in	Smooth	0.17 lb	12
16036N	037103218261	Boxed	8 in	Bastard	0.40 lb	12
16069N	037103218278	Boxed	8 in	Second	0.35 lb	12
16102N	037103218285	Boxed	8 in	Smooth	0.35 lb	12
16147N	037103218483	Boxed	10 in	Bastard	0.55 lb	12
16180N	037103218339	Boxed	10 in	Second	0.62 lb	12
16213N	037103218346	Boxed	10 in	Smooth	0.60 lb	12

Tungsten Point Files



- American Pattern Tungsten Point File
- For Dressing Distributor Points That Are Tipped with Tungsten, Iridium
- Thin Rectangular Shape
- Double-Cut
- Chisel Tip of File Enters Slots or Gaps Easily
- Handle Shape Tang
- Approximate size 5/16"/8mm x .044"/1.10mm

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
02373N	037103242587	Boxed	5-1/4 in	Double	0.05 lb	12
02375N	037103242594	Carded	5-1/4 in	Double	0.03 lb	6

Veneer Knife Files



- American Pattern Veneer Knife File, Blunt, Bastard Cut
- Specially Designed for Sharpening Veneer Knives
- Thin Rectangular Shape
- Blunt, Bastard Cut
- 2 Round Edges

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
10799N	037103243294	Boxed	10 in	Bastard	0.45 lb	12

Warding Files



- American Pattern Warding File, Bastard Cut
- Used Primarily By Locksmiths in Repairing & Filing Ward Notches in Keys
- Thin Rectangular Shape
- Double Cut on Sides, Single Cut on Edges
- Also Suited for Use in Narrow Spaces Where Other Files Will Not Fit

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
16507N	037103243317	Boxed	4 in	Bastard	0.03 lb	12
16540N	037103243324	Boxed	4 in	Second	0.03 lb	12
16573N	037103243331	Boxed	4 in	Smooth	0.03 lb	12
16663N	037103243348	Boxed	6 in	Bastard	0.10 lb	12
16696N	037103243355	Boxed	6 in	Second	0.10 lb	12
16729N	037103243362	Boxed	6 in	Smooth	0.10 lb	12
16761N	037103243379	Boxed	8 in	Bastard	0.15 lb	12
16794N	037103243386	Boxed	8 in	Second	0.15 lb	12
16827N	037103243393	Boxed	8 in	Smooth	0.15 lb	12

Wood Files (Coarse) - Half Round



- American Pattern, Half Round Wood File, Coarse
- Made in Same Section and Size As Half Round File
- Specially Coarse Teeth for Use on Wood

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
17505N	037103218636	Boxed	10 in	Coarse	0.50 lb	6

Wood Chuck



- Oversized, impact resistant co-mold handle for years of hard use
- Edge teeth for removal of material in confined areas
- Steel strike plate to protect against breakage or mushrooming
- Polished and ground blade, extremely sharp for crisp cut
- Forged steel to retain rasp and chisel sharpness
- Flat wood rasp for rapid stock removal

Cat. No.	UPC No.	Packaging	Blade Width	Handled	Product Weight	Shelf Pack Qty.
WC12CMN	037103219930	Carded	1/2 in	Ergonomic	0.47 lb	3
WC1CMN	037103219947	Carded	1 in	Ergonomic	0.63 lb	3
WC34CMN	037103219954	Carded	3/4 in	Ergonomic	0.53 lb	3
WCSET3CMN	037103219961	Carded	1/2 in	Ergonomic	1.45 lb	-

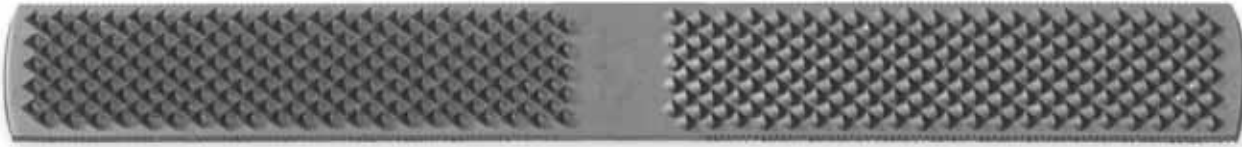
Cabinet Rasps



- American pattern rasp, half round cabinet, second cut
- Single cut on edges
- Used by cabinetmakers and woodworkers
- Curved side of rasps similar to half-round rasps but has larger radius
- Half round

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
17615N	037103219572	Boxed	8 in	Regular Second	0.23 lb	12
17683N	037103219596	Boxed	10 in	Regular Second	0.40 lb	6
17751N	037103219602	Boxed	12 in	Regular Second	0.80 lb	6

Horse Rasps - Plain 1/2 File



- American pattern horse rasp, plain 1/2 file, regular
- This thin fine-toothed rasp for shoeing racetrack riding horses & ponies
- Plain horse rasps are double-ended with rasp teeth on 1 side
- File teeth on opposite side
- Rectangular shape

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
17873N	037103219459	Boxed	14 in	Rasp Punch/Coarse	1.10 lb	6
17903N	037103217998	Boxed	14 in	Rasp Punch/Coarse	1.60 lb	6
17910N	037103218001	Pouch	14 in	Rasp Punch/Coarse	1.60 lb	6

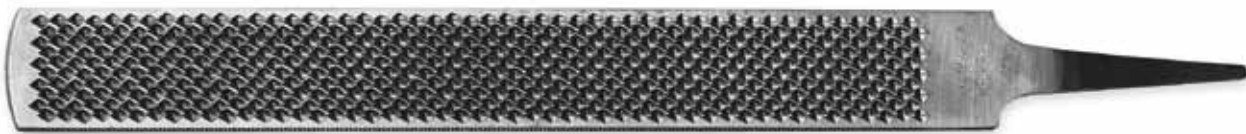
Farrier's Handy Rasps



- American pattern farrier's handy rasp, tanged
- Rectangular shape
- Single cut on edges
- Comfortable cushion grip at point and handle
- Rasp teeth on 1 side, file teeth on opposite
- Rasp cut is 6 teeth per row (other horse rasps have 5 teeth per row)
- Body is the same as the 14" Plater's Special

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
18155N	037103219558	Boxed	14 in	Rasp/Double	1.45 lb	5

Horse Rasps - Tanged



- American pattern horse rasp, tanged
- Rectangular shape
- Single cut on edges
- Tanged
- Rasp teeth on 1 side, file teeth on opposite
- Thicker than Plater's Special - ideal for hot rasping

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
18035N	037103219466	Boxed	12 in	Rasp/Double	1.50 lb	6
18057N	037103219473	Boxed	14 in	Rasp/Double	2.15 lb	6

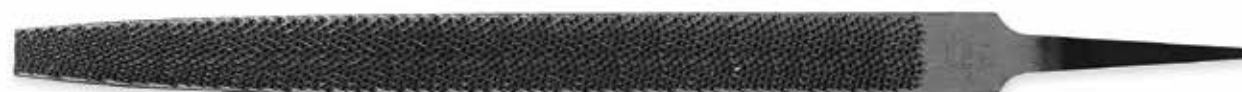
Magicut® Plater's Special Horse Rasp



- American pattern plater's special Magicut horse rasp, tanged
- Maximum cutting surface design gives rapid removal and smoother finish
- Single cut on edges
- Opposite side has the Nicholson® unique Magicut® file pattern
- These are narrow chip breakers created by steep and angled serrations
- Rectangular shape
- Tooth design is cut deeper to last longer
- They cut much faster than conventional horse rasps
- Rasp cut is 6 teeth per row (other horse rasps have 5 teeth per row)

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
18130N	037103219534	Boxed	14 in	Rasp/Magicut®	1.35 lb	6
18153N	037103219480	Pouch	14 in	Rasp/Magicut®	1.45 lb	6

Pattern Maker's Cabinet Rasps



- American pattern rasp, pattern maker's cabinet
- Used primarily by cabinetmakers
- Half-round shape
- Narrow pattern, cut edges
- Used when smooth wood finish is required

Cat. No.	UPC No.	Packaging	Length	File Cut	Code No.	Product Weight	Shelf Pack Qty.
18846N	037103219640	Boxed	10 in	Second	49	0.25 lb	6
18861N	037103219626	Boxed	10 in	Smooth	50	0.25 lb	6

4-in-Hand (Formerly Shoe Rasp)



- For the Homeowner, Home Craftsman, Boat Builder And Mechanic
- Half-Round Shape
- Has the File Section And Rasp Section on Both Flat Side And Half-Round Side

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
18924N	037103219763	Boxed	8 in	Rasp/Single/Double	0.35 lb	6
21860N	037103219848	Carded	8 in	Rasp/Single/Double	0.36 lb	6
19013N	037103219787	Boxed	9 in	Rasp/Single/Double	0.60 lb	6
21870N	037103219862	Carded	9 in	Rasp/Single/Double	0.40 lb	6
18962N	037103219794	Boxed	10 in	Rasp/Single/Double	0.60 lb	6
18960N	037103219909	Carded	10 in	Rasp/Single/Double	0.63 lb	6

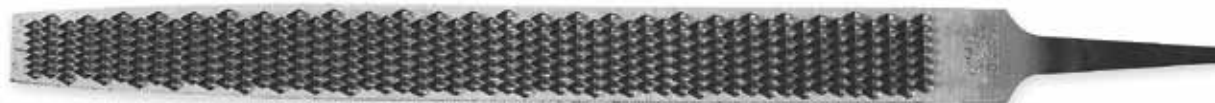
Woodcraft Rasp - Half Rasp, Half File



- American pattern woodcraft rasp, half rasp, half file
- Ideal for use in woodworking plants
- Also by professional carpenters, hobbyists and DIY enthusiasts
- Half-round rasp side for rapid stock removal
- File cut side for smoothing purposes
- For use on wood, leather, soapstone and soft metals
- 8"/200mm length is exclusive of handle

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
18617N	037103219749	Boxed	8 in	Rasp Punch/Wood	0.50 lb	6
23859N	037103219879	Carded	8 in	Bastard	0.60 lb	6

Wood Rasps - Flat Bastard



- American pattern wood rasp, flat bastard
- Used by woodworkers, hobbyists and plumbers
- For use on wood and soft metals
- Flat shape
- Bastard cut

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
19136N	037103219695	Boxed	10 in	Bastard	0.65 lb	6

Wood Rasps - Half Round



- American pattern wood rasp, half round, bastard cut, red handle
- Used by woodworkers, hobbyists and plumbers
- Half-round shape
- Single cut file teeth on edge
- For use on wood and soft metals

Cat. No.	UPC No.	Packaging	Length	File Cut	Handled	Product Weight	Shelf Pack Qty.
19394N	037103219633	Boxed	8 in	Bastard	No	0.25 lb	12
21749HN	037103219053	Carded	8 in	Bastard	Yes	0.42 lb	6
21878N	037103219718	Carded	8 in	Bastard	No	0.30 lb	6
19427N	037103219657	Boxed	10 in	Bastard	No	0.65 lb	6
19460N	037103219664	Boxed	12 in	Bastard	No	0.90 lb	6
19493N	037103219732	Boxed	14 in	Bastard	No	1.40 lb	6

Wood Rasps Round Bastard



- American pattern wood rasp, round, bastard cut
- Used for same purpose as regular wood rasps
- Used in places for which their shapes make them particularly effective
- Round shape
- Bastard cut
- Made from same size steel as round files

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
19846	037103198464	Boxed	8 in	Bastard	0.15 lb	12
19875	037103198754	Boxed	10 in	Bastard	0.26 lb	12

Diamond Horse Rasps



- Superior performance in both wet and dry conditions
- Resists clogging due to the angled tooth face
- Both sides are safe 7/8"/22mm at point
- Rasp teeth on 1 side, file teeth on opposite, single cut on edges
- Rasp side allows for aggressive, but controlled hoof removal
- File side produces a consistent smooth finish
- Rectangular shape
- Sharper than regular horse rasps
- HR15 (Outlaw) rasp is less aggressive, but extremely durable for long life

Cat. No.	UPC No.	Length	File Cut	Product Weight	Shelf Pack Qty.
HR14N	037103219510	14 in	Rasp/File	1.40 lb	6
HR15	037103206343	14 in	Rasp/Double	1.65 lb	6

Barrette Files



- Made to More Exacting Measurements Than American Pattern Files
- Used By Tool and Die Makers, Jewelers, Model Makers, Home Craftsman
- Recommended for Those Who Do Superfine Precision Filing
- Double Cut, Wide Flat Sides
- Flat on 1 Side, Backs Are Beveled on Edges As Indicated By Cross Section
- Back and Beveled Edges Are Safe
- Included Angle is 33°

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
35025N	037103241900	Boxed	4 in	00	0.05 lb	12
35031N	037103241917	Boxed	4 in	0	0.05 lb	12
35061N	037103241924	Boxed	6 in	0	0.10 lb	12
35073N	037103241931	Boxed	6 in	2	0.10 lb	12

Barrette Files - Hot Die



- XF® Files, Swiss Pattern Barrette File, Hot Die, Cut No. 00
- Made to More Exacting Measurements Than American Pattern Files
- Used By Tool and Die Makers, Jewelers, Model Makers, Home Craftsman
- Recommended for Those Who Do Superfine Precision Filing
- Double Cut, Wide Flat Sides
- Flat on 1 Side, Backs Are Beveled on Edges As Indicated By Cross Section
- Back and Beveled Edges Are Safe
- Included Angle is 33°
- Approximate Point Thickness is .040"/1.10mm
- Same As Regular Barrette Files Except with Thinner Point

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
35108N	037103241948	Boxed	3 in	00	0.02 lb	12
35114N	037103241955	Boxed	4 in	00	0.03 lb	12

6-1/2" (163mm) Die Sinker's Rifflers



- Made to More Exacting Measurements Than American Pattern Files
- Used By Tool and Die Makers, Jewelers, Model Makers and Home Craftsman
- Made in Approximately 6-1/2"/165mm Length
- Made in Shales As Illustrated
- Each Riffler Identified By Number

Cat. No.	UPC No.	Packaging	Length	File Cut	Style	Product Weight	Shelf Pack Qty.
35976	037103359766	Boxed	6-1/2 in	0	1	0.02 lb	12
35982	037103359827	Boxed	6-1/2 in	2	1	0.02 lb	12
36018N	037103360182	Boxed	6-1/2 in	2	5	0.02 lb	12
36054	037103360540	Boxed	6-1/2 in	2	7	0.02 lb	12

Equaling Files



- Made to More Exacting Measurements Than American Pattern Files
- Used By Tool and Die Makers, Jewelers, Model Makers and Home Craftsman
- Rectangular Shape
- Double-Cut on Sides, Single-Cut on Edges
- Parallel in Both Width and Thickness for Their Entire Length

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
36219N	037103241962	Boxed	4 in	0	0.05 lb	12
36227N	037103241979	Boxed	4 in	2	0.05 lb	12
36253N	037103241986	Boxed	6 in	2	0.10 lb	12
36281N	037103241993	Boxed	8 in	2	0.25 lb	12

Half Round Files



- Made to More Exacting Measurements Than American Pattern Files
- Used By Tool and Die Makers, Jewelers, Model Makers and Home Craftsman
- Double Cut on Both Flat and Half-Round Sides
- Taper in Thickness and Width to Point
- Half Round Shape
- Made in Much Finer Cuts, Which Vary From No. 00 (Coarsest) to No. 4 (Finest)

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
36521N	037103242006	Boxed	6 in	0	0.10 lb	12
36527N	037103242013	Boxed	6 in	1	0.10 lb	12
36533N	037103242020	Boxed	6 in	2	0.10 lb	12
36539N	037103242037	Boxed	6 in	3	0.10 lb	12
36545N	037103242044	Boxed	6 in	4	0.10 lb	12
36557N	037103242051	Boxed	8 in	00	0.20 lb	12
36563N	037103242068	Boxed	8 in	0	0.20 lb	12
36569N	037103242075	Boxed	8 in	1	0.20 lb	12

Needle Files Round Handle



- Hot Die - Barrette Shape Only
- Same as Regular Round Handle Needle Barrette Except with Thinner Points

Cat. No.	UPC No.	Packaging	Length	File Cut	Style	Product Weight	Shelf Pack Qty.
37752	037103377524	Boxed	5-1/2 in	0	Barrette	0.01 lb	12
38115	037103381156	Boxed	6-1/4 in	0	Barrette	0.02 lb	12

Needle Files



- Made to More Exacting Measurements Than American Pattern Files
- Used Primarily By Jewelers, Die Makers, Watchmakers and Fine Toolmakers
- Knurled Handles

Cat. No.	UPC No.	Packaging	Length	File Cut	Style	Product Weight	Shelf Pack Qty.
37277	037103372772	Boxed	4 in	0	Barrette	0.01 lb	12
37640	037103376404	Boxed	5-1/2 in	0	Barrette	0.01 lb	12
38003	037103380036	Boxed	6-1/4 in	0	Barrette	0.02 lb	12
37647	037103376473	Boxed	5-1/2 in	2	Barrette	0.01 lb	12
38010	037103380104	Boxed	6-1/4 in	2	Barrette	0.02 lb	12

Needle Files Continued

Cat. No.	UPC No.	Packaging	Length	File Cut	Style	Product Weight	Shelf Pack Qty.
37500	037103375001	Boxed	5-1/2 in	0	Crossing	0.01 lb	12
37863	037103378637	Boxed	6-1/4 in	0	Crossing	0.02 lb	12
37870	037103378705	Boxed	6-1/4 in	2	Crossing	0.03 lb	12
37249	037103372499	Boxed	4 in	0	Equaling	0.01 lb	12
37612	037103376121	Boxed	5-1/2 in	0	Equaling	0.01 lb	12
37975	037103379757	Boxed	6-1/4 in	0	Equaling	0.02 lb	12
37256	037103372567	Boxed	4 in	2	Equaling	0.01 lb	12
37619	037103376190	Boxed	5-1/2 in	2	Equaling	0.01 lb	12
37982	037103379825	Boxed	6-1/4 in	2	Equaling	0.02 lb	12
37626	037103376268	Boxed	5-1/2 in	4	Equaling	0.01 lb	12
37989	037103379894	Boxed	6-1/4 in	4	Equaling	0.02 lb	12
37996	037103379962	Boxed	6-1/4 in	6	Equaling	0.02 lb	12
37109	037103371096	Boxed	4 in	0	Flat	0.02 lb	12
37472	037103374721	Boxed	5-1/2 in	0	Flat	0.01 lb	12
37835	037103378354	Boxed	6-1/4 in	0	Flat	0.02 lb	12
37116	037103371164	Boxed	4 in	2	Flat	0.02 lb	12
37479	037103374790	Boxed	5-1/2 in	2	Flat	0.01 lb	12
37842	037103378422	Boxed	6-1/4 in	2	Flat	0.02 lb	12
37486	037103374868	Boxed	5-1/2 in	4	Flat	0.01 lb	12
37849	037103378491	Boxed	6-1/4 in	4	Flat	0.02 lb	12
37081	037103370815	Boxed	4 in	0	Half Round	0.10 lb	12
37444	037103374448	Boxed	5-1/2 in	0	Half Round	0.01 lb	12
37807	037103378071	Boxed	6-1/4 in	0	Half Round	0.02 lb	12
37088	037103370884	Boxed	4 in	2	Half Round	0.02 lb	12
37451	037103374516	Boxed	5-1/2 in	2	Half Round	0.02 lb	12
37814	037103378149	Boxed	6-1/4 in	2	Half Round	0.02 lb	12
37458	037103374585	Boxed	5-1/2 in	4	Half Round	0.01 lb	12
37821	037103378217	Boxed	6-1/4 in	4	Half Round	0.02 lb	12
37828	037103378286	Boxed	6-1/4 in	6	Half Round	0.02 lb	12
37165	037103371652	Boxed	4 in	0	Knife	0.01 lb	12
37891	037103378910	Boxed	6-1/4 in	0	Knife	0.02 lb	12
37172	037103371720	Boxed	4 in	2	Knife	0.01 lb	12
37898	037103378989	Boxed	6-1/4 in	2	Knife	0.02 lb	12
37053	037103370532	Boxed	4 in	0	Round	0.02 lb	12
37416	037103374165	Boxed	5-1/2 in	0	Round	0.01 lb	12
37779	037103377791	Boxed	6-1/4 in	0	Round	0.01 lb	12
37060	037103370600	Boxed	4 in	2	Round	0.02 lb	12
37423	037103374233	Boxed	5-1/2 in	2	Round	0.01 lb	12
37786	037103377869	Boxed	6-1/4 in	2	Round	0.02 lb	12
37430	037103374301	Boxed	5-1/2 in	4	Round	0.01 lb	12
37793	037103377937	Boxed	6-1/4 in	4	Round	0.02 lb	12
37800	037103378002	Boxed	6-1/4 in	6	Round	0.02 lb	12
38059	037103380593	Boxed	6-1/4 in	0	Slitting	0.02 lb	12
37703	037103377036	Boxed	5-1/2 in	2	Slitting	0.02 lb	12
37193	037103371935	Boxed	4 in	0	Square	0.01 lb	12

Needle Files Continued

Cat. No.	UPC No.	Packaging	Length	File Cut	Style	Product Weight	Shelf Pack Qty.
37556	037103375568	Boxed	5-1/2 in	0	Square	0.01 lb	12
37919	037103379191	Boxed	6-1/4 in	0	Square	0.02 lb	12
37200	037103372000	Boxed	4 in	2	Square	0.01 lb	12
37563	037103375636	Boxed	5-1/2 in	2	Square	0.01 lb	12
37926	037103379269	Boxed	6-1/4 in	2	Square	0.02 lb	12
37221	037103372215	Boxed	4 in	0	Three Square	0.01 lb	12
37584	037103375841	Boxed	5-1/2 in	0	Three Square	0.01 lb	12
37947	037103379474	Boxed	6-1/4 in	0	Three Square	0.02 lb	12
37228	037103372284	Boxed	4 in	2	Three Square	0.01 lb	12
37591	037103375919	Boxed	5-1/2 in	2	Three Square	0.01 lb	12
37954	037103379542	Boxed	6-1/4 in	2	Three Square	0.02 lb	12
37598	037103375988	Boxed	5-1/2 in	4	Three Square	0.02 lb	12
37961	037103379610	Boxed	6-1/4 in	4	Three Square	0.02 lb	12

Pillar Files



- Made to More Exacting Measurements Than American Pattern Files
- Rectangular in Shape
- Double Cut on 2 Sides Only
- Safe Edges
- Tapered in Thickness
- Similar in Shape to Hand Files But Only 2/3 As Wide

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
39855N	037103242082	Boxed	4 in	00	0.04 lb	12
39861N	037103242099	Boxed	4 in	0	0.04 lb	12
39873N	037103242105	Boxed	4 in	2	0.04 lb	12
39881N	037103242112	Boxed	4 in	4	0.04 lb	12
39893N	037103242129	Boxed	6 in	00	0.10 lb	12
39899N	037103242136	Boxed	6 in	0	0.10 lb	12
39905N	037103242143	Boxed	6 in	1	0.10 lb	12
39911N	037103242150	Boxed	6 in	2	0.10 lb	12
39923N	037103242167	Boxed	6 in	4	0.10 lb	12
39929N	037103242174	Boxed	6 in	00	0.23 lb	12
39935N	037103242181	Boxed	8 in	0	0.23 lb	12
39947N	037103242198	Boxed	8 in	2	0.23 lb	12
39965N	037103242204	Boxed	10 in	00	0.45 lb	6
39971N	037103242211	Boxed	10 in	0	0.45 lb	6
39992N	037103242228	Boxed	12 in	00	0.74 lb	6

Pillar Narrow Files



- Made to More Exacting Measurements Than American Pattern Files
- Rectangular Shape
- Narrow
- Double Cut on 2 Sides Only
- Safe Edges
- Similar to Pillar Files But Are Narrower for Their Length

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
40076N	037103242235	Boxed	6 in	0	0.08 lb	12
40082N	037103242242	Boxed	6 in	1	0.08 lb	12
40088N	037103242259	Boxed	6 in	2	0.08 lb	12

Pillar Extra Narrow Files



- Made to More Exacting Measurements Than American Pattern Files
- Cut on 2 Sides Only
- Safe Edges
- Similar to Pillar and Pillar Narrow Files But Are Narrower in Length

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
40222N	037103242266	Boxed	4 in	2	0.02 lb	12
40242N	037103242273	Boxed	6 in	00	0.05 lb	12
40248N	037103242280	Boxed	6 in	0	0.05 lb	12
40254N	037103242297	Boxed	6 in	1	0.05 lb	12
40260N	037103242303	Boxed	6 in	2	0.05 lb	12
40281N	037103242310	Boxed	8 in	00	0.11 lb	12
40287N	037103242327	Boxed	8 in	0	0.11 lb	12

Pippin Files



- XF® Files, Swiss Pattern Pippin File, Cut No. 2
- Made to More Exacting Measurements Than American Pattern Files
- Rounded Back Tapers to Sharp Edge
- Also Taper to Point in Both Width and Thickness
- Sometimes Called "Apple Seed" Files

Cat. No.	UPC No.	Packaging	Length	File Cut	Shape	Product Weight	Shelf Pack Qty.
40506	037103405067	Boxed	6 in	2	Apple Seed	0.08 lb	12

Round Files



- Made to More Exacting Measurements Than American Pattern Files
- Double Cut
- Round Shape
- Taper Throughout Length to Fine Point

Cat. No.	UPC No.	Packaging	Length	Diameter	File Cut	Product Weight	Shelf Pack Qty.
40580N	037103242334	Boxed	4 in	1/8 in	0	0.01 lb	12
40645N	037103242341	Boxed	6 in	3/16 in	00	0.04 lb	12
40651N	037103242358	Boxed	6 in	3/16 in	0	0.04 lb	12
40663N	037103242365	Boxed	6 in	3/16 in	2	0.04 lb	12
40687N	037103242372	Boxed	8 in	1/4 in	00	0.08 lb	12
40699N	037103242389	Boxed	8 in	1/4 in	1	0.08 lb	12
40705N	037103242396	Boxed	8 in	1/4 in	2	0.08 lb	12
40717N	037103242402	Boxed	8 in	1/4 in	4	0.08 lb	12

7-1/2" (190mm) Silversmith's Rifflers



- Made to More Exacting Measurements Than American Pattern Files
- Ideal for Fine Work
- Made in Approximately 7-1/8" (180mm) Lengths Only

Cat. No.	UPC No.	Packaging	Length	File Cut	Shape	Product Weight	Shelf Pack Qty.
41018	037103410184	Boxed	7-1/2 in	2	3	0.07 lb	12
41096	037103410962	Boxed	7-1/2 in	0	10	0.05 lb	12
41102	037103411020	Boxed	7-1/2 in	2	10	0.06 lb	12

Warding Files



- Made to More Exacting Measurements Than American Pattern Files
- Taper Slightly to Point in Width
- Used By Locksmiths and Anywhere A Thin File is Required

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
41588NN	037103243645	Boxed	4 in	2	0.03 lb	12
41612N	037103243652	Boxed	6 in	0	0.10 lb	12
41618N	037103243669	Boxed	6 in	2	0.10 lb	12
41636N	037103243676	Boxed	8 in	0	0.15 lb	12

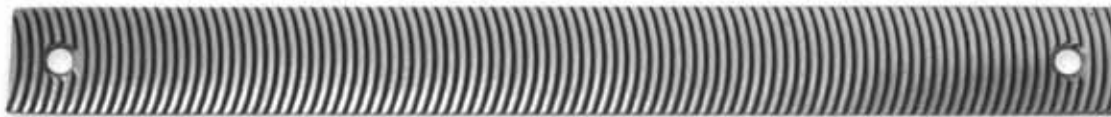
Flexible Files (Without Tang)



- Curved Tooth Pattern, Flexible Files (Without Tang)
- For Smooth, Rapid Work on Cast Iron, Bronze, Lead, Babbitt, Aluminum
- Also for Zinc, Plastics
- Any Steel Up to the Hardness of Annealed Tool Steel
- Rectangular Shape
- Curved Cut
- Pitch and Rake Designed to Avoid Pinning and to Provide Smoothest Finish

Cat. No.	UPC No.	Packaging	Length	Teeth per inch	File Cut	Product Weight	Shelf Pack Qty.
20138N	037103219299	Boxed	12 in	10	Standard	0.50 lb	6
20205N	037103219312	Boxed	14 in	12	Fine	0.75 lb	6

Milled Tooth Bodifiles



- Curved Tooth Pattern, Flexible Milled Tooth Bodifile, Without Tang
- For Smooth, Rapid Work on Cast Iron, Bronze, Lead, Babbitt, Aluminum
- Also for Zinc, Plastics
- Any Steel Up to the Hardness of Annealed Tool Steel
- Rectangular Shape
- Curved Cut
- Pitch and Rake Designed to Avoid Pinning and to Provide Smoothest Finish
- No. Teeth Per Inch: 8; Cut: 50-908 Standard

Cat. No.	UPC No.	Packaging	Length	Teeth per inch	File Cut	Product Weight	Shelf Pack Qty.
20189N	037103219404	Boxed	14 in	8	50-908 Standard	0.75 lb	6

Flat Files - Rigid Type (With Tang)



- Curved Tooth Pattern, Flexible Rigid Type Flat Files (With Tang)
- For Smooth, Rapid Work on Cast Iron, Bronze, Lead, Babbitt, Aluminum
- Also for Zinc, Plastics
- Any Steel Up to the Hardness of Annealed Tool Steel
- Rectangular Shape
- Curved Cut, Rigid Type with Tang
- Pitch and Rake Designed to Avoid Pinning and to Provide Smoothest Finish
- No. Teeth Per Inch: 14; Cut: Standard

Cat. No.	UPC No.	Packaging	Length	Teeth per inch	File Cut	Product Weight	Shelf Pack Qty.
20239N	037103219411	Boxed	8 in	14	Curved Standard	0.25 lb	12
20291N	037103219343	Boxed	10 in	12	Curved Standard	0.50 lb	6
20342N	037103219367	Boxed	12 in	10	Curved Standard	0.80 lb	6
20393N	037103219428	Boxed	14 in	8	Curved Standard	1.20 lb	6

Flat Babbit Files



- Curved Tooth Pattern, Flexible Flat Babbit Files
- For Smooth, Rapid Work on Cast Iron, Bronze, Lead, Babbitt, Aluminum
- Also for Zinc, Plastics
- Any Steel Up to the Hardness of Annealed Tool Steel
- Rectangular Shape
- Curved Cut
- Exactly Like Flat Files in Shape, Dimension and Weight
- But Fewer Teeth Per Inch
- Pitch and Rake Designed to Avoid Pinning and to Provide Smoothest Finish

Cat. No.	UPC No.	Packaging	Length	Teeth per inch	File Cut	Product Weight	Shelf Pack Qty.
20479N	037103219381	Boxed	12 in	8	Curved	0.82 lb	6
20496N	037103219435	Boxed	14 in	7	Curved	1.20 lb	6

Flat Utility Files



- Curved Tooth Pattern, Flexible Flat Utility Files
- For Smooth, Rapid Work on Cast Iron, Bronze, Lead, Babbitt, Aluminum
- Also for Zinc, Plastics
- Any Steel Up to the Hardness of Commercial Tool Steel
- Rectangular Shape
- Standard-Cut Teeth on 1 Side, Smooth-Cut Teeth on the Opposite
- Pitch and Rake Designed to Avoid Pinning and to Provide Smoothest Finish
- No. Teeth Per Inch: 10 and 16

Cat. No.	UPC No.	Packaging	Length	Teeth per inch	File Cut	Product Weight	Shelf Pack Qty.
20547N	037103219374	Boxed	12 in	10 and 16	Standard/Smooth	0.80 lb	6

Half Round Files



- Curved Tooth Pattern, Flexible Half Round Files
- For Smooth, Rapid Work on Cast Iron, Bronze, Lead, Babbitt, Aluminum
- Also for Zinc, Plastics
- Any Steel Up to the Hardness of Commercial Tool Steel
- Half Round Shape
- Flat on 1 Side, Convex on Opposite
- Particularly Adapted for Bearings and Concave Surfaces
- No. Teeth Per Inch: 14; Cut: Standard

Cat. No.	UPC No.	Packaging	Length	Teeth per inch	File Cut	Product Weight	Shelf Pack Qty.
20582N	037103218599	Boxed	8 in	14	Standard	0.30 lb	12

Super Shear



- Curved Tooth Pattern, Super Shear Files
- A Double Purpose Milled Curved Tooth File
- Different and Exclusive with Nicholson®
- Rectangular Shape, Curved Cut
- Teeth Cut in An Off Center Arc to Permit Fast Cutting
- Wide Industrial Usage on Flat and Convex Surfaces
- Such As Aluminum, Brass, Babbitt, Bronze, Copper, Magnesium
- Iron, Annealed Steel, Soft Metal Alloys, Plastics, Hard Rubber, Hardwood
- Smooths As It Roughs

Cat. No.	UPC No.	Packaging	Length	Teeth per inch	File Cut	Product Weight	Shelf Pack Qty.
21016N	037103219336	Boxed	8 in	14	Curved	0.40 lb	12
21067N	037103219350	Boxed	10 in	12	Curved	0.45 lb	6
21118N	037103219398	Boxed	12 in	10	Curved	0.75 lb	6
21169N	037103219442	Boxed	14 in	8	Curved	1.30 lb	6

Thread Restoring Files



- Used to Restore Damaged or Worn External Threads on Bolts, Pipes, etc.

Cat. No.	UPC No.	Packaging	File Cut	Style	Tooth Type	Product Weight	Shelf Pack Qty.
33001	037103330017	Bagged	Regular Bolt	1	Thread Teeth	0.40 lb	16
33007	037103330079	Bagged	Ex Fine/Ex Coarse Bolt	2	Thread Teeth	0.40 lb	16
33016	037103330161	Bagged	Metric Bolt	8	Thread Teeth	0.35 lb	12

Adjustable Flexible File Holder No. 25



- Can Be Used with Either 12" or 14" Files
- Easily Adjusted for Curving File Outward or Inward
- Adjustable Length

Cat. No.	UPC No.	Packaging	Product Weight
21272N	037103243409	Boxed	1.80 lb

Machinist's Scrapers (Handled)



- Overall Length of These Tools Including Handle is Approximately 8"
- Three Square Shape is Supplied in Hollow Ground with 60° Angle
- Comes with Handle

Cat. No.	UPC No.	Packaging	Length	Product Weight	Shelf Pack Qty.
21667N	037103219770	Boxed	3-1/4 in	0.13 lb	6

File Cleaners



- Available in Two Styles: File Card or File Card/Brush
- File Card/Brush is for use on Finer Cut Files
- File Card is for General Cleaning of File Teeth

Cat. No.	UPC No.	Packaging	Description	Length	Product Weight	Shelf Pack Qty.
21455	037103214553	Carded	8" File Cleaner	8 in	0.14 lb	6
21458	037103214584	Boxed	10" File and Rasp Cleaner	10 in	0.30 lb	10
21467	037103214676	Boxed	10" File Card and Brush	10 in	0.30 lb	6

Hoof Sharpening Steel



- Specifically Designed to Sharpen Hoof Knives
- Sharpening Steel is Designed Specifically to Hone the Edge of Hoof Knives and Similar Tools

Cat. No.	UPC No.	Packaging	Product Weight	Shelf Pack Qty.
10627N	037103243935	Carded	0.20 lb	6

Ergonomic File Handle



- Interchangeable Cushion Inserts Designed to Fit Most Popular Files
- Rubber-Coated Ergonomic Shape for Better Comfort and Control
- Rear Taper, Wide Middle and Flared Neck Increases Push Force

Cat. No.	UPC No.	Packaging	Length	Handle No.	Product Weight	Shelf Pack Qty.
21474H	037103186232	Carded	4-1/2 in	Ergonomic	0.15 lb	6

Screw-on Handle - Plastic



- Screw-On Design Fits Most Popular Files
- For Professional or Home Handymen
- Handle Made of Strong High-Impact Material
- Contoured to Fit Hand for Straight, Lathe and Draw Filing
- Non-Slip Textured Finish for Easier Grip

Cat. No.	UPC No.	Packaging	Length	Handle No.	Product Weight	Shelf Pack Qty.
21484	037103214843	Carded	3-1/2 in	PH1	0.10 lb	12
21493	037103214935	Carded	3-3/4 in	PH2	0.10 lb	12
21502	037103215024	Carded	3-3/4 in	PH3	0.10 lb	12
21512	037103215123	Carded	4-1/8 in	PH4	0.15 lb	12
21513	037103215130	Carded	4-1/8 in	PH5	0.13 lb	12
21514	037103215147	Carded	4-3/4 in	PH6	0.20 lb	12
21515	037103215154	Carded	5 in	PH7	0.20 lb	12
21516	037103215161	Carded	5 in	PH8	0.20 lb	12

SELECTION CHART

File Type	Size							
	4"	5"	6"	8"	10"	12"	14"	16"
Mill	PH3	-	PH4	PH5	PH5	PH6	PH7	PH8
Flat	PH3	-	PH4	PH5	PH5	PH6	PH7	PH8
Hand	PH3	-	PH4	PH5	PH6	PH7	PH8	
Half Round	PH3	-	PH4	PH5	PH6	PH7	PH8	PH8
Warding	PH3	-	PH4	PH4	PH5	-	-	-
Knife	PH3	-	PH4	PH5	PH5	PH6	-	-
Round	PH1	PH2	PH3	PH4	PH4	PH5	PH7	PH7

File Type	Size							
	4"	5"	6"	8"	10"	12"	14"	16"
Square	PH1	PH2	PH3	PH4	PH4	PH5	PH6	-
Triangular	PH1	PH2	PH3	PH4	PH5	PH6	PH7	-
Cantsaw	-	-	PH4	PH5	PH6	-	-	-
Tanged Horse	-	-	-	-	-	PH8	PH8	-
Platers Special	-	-	-	-	-	-	PH8	-

Metal Ferruled Wooden Handles



- Made From Close Grain Hardwood with Wax Finish
- Handles Have Strong Nickel-Plated Metal Ferrules

Cat. No.	UPC No.	Packaging	Length	Handle No.	Product Weight	Shelf Pack Qty.
21470N	037103221346	Boxed	5-3/4 in	000	0.20 lb	12
21471N	037103221247	Boxed	5-3/4 in	00	0.19 lb	12
21476N	037103221254	Boxed	5-1/4 in	0	0.10 lb	12
21485N	037103221261	Boxed	4-7/8 in	1	0.11 lb	12
21494N	037103221278	Boxed	4-1/2 in	2	0.10 lb	12
21503N	037103221285	Boxed	4-1/8 in	3	0.08 lb	12
21511N	037103221292	Boxed	3-3/4 in	4	0.05 lb	12
21520N	037103221308	Carded	3-3/4 in	4	0.10 lb	6
21522N	037103221315	Carded	4-1/8 in	3	0.09 lb	6
21524N	037103221322	Carded	4-1/2 in	2	0.12 lb	6

Metal Ferruled Wooden Handles Continued

Cat. No.	UPC No.	Packaging	Length	Handle No.	Product Weight	Shelf Pack Qty.
21526N	037103221339	Carded	4-7/8 in	1	0.30 lb	6
21528N	037103221537	Carded	4-1/4 in	0	0.20 lb	6
TG4N	037103227232	Boxed	5 in	RASP	0.15 lb	12

SELECTION CHART

File Type	Size									
	4"	5"	6"	7"	8"	9"	10"	12"	14"	
Taper	4	3	3	3	2	1	1	-	-	
Slim	4	4	4	4	3	-	2	-	-	
X Slim	4	4	4	4	4	-	-	-	-	
XX Slim	-	4	4	4	4	-	-	-	-	
Mill	3	-	2	-	1	-	0	0	00	
Flat	3	-	2	-	1	-	0	0	00	
Hand	3	-	2	-	1	-	1	0	-	
Half Round	3	-	2	-	1	-	0	00	000	
Warding	3	-	2	-	2	-	1	-	-	
Knife	3	-	2	-	1	-	1	0	-	

File Type	Size									
	4"	5"	6"	7"	8"	9"	10"	12"	14"	
Round	4	-	3	-	2	-	3	1	0	
Square	4	-	4	-	3	-	2	1	0	
Cantsaw	-	-	2	-	1	-	1	-	-	
Crosscut	-	-	-	-	1	-	0	-	-	
Tanged Horse	-	-	-	-	-	-	-	000	000	
Platers Special	-	-	-	-	-	-	-	-	000	

Item	Size:	8 x 3/16"	8 x 7/32"	8 x 1/4"	8 x 5/16"	8 x 3/8"
Chain saw		4	4	4	4	3

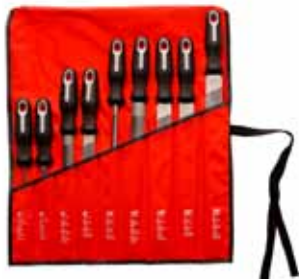
Carded File Handle - Plastic



- Interchangeable Cushion Inserts Designed to Fit Most Popular Files
- Handle Made of Strong High-Impact Material
- Contoured to Fit Hand for Straight, Lathe and Draw Filing
- Non-Slip Textured Finish for Easier Grip
- 4 Inserts

Cat. No.	UPC No.	Packaging	Length	Handle No.	Product Weight	Shelf Pack Qty.
21474	037103214744	Carded	4 in	#5	0.15 lb	6

9 Pc. Ergonomic File Set



- Rubber-Coated Ergonomic Handles for Better Comfort and Control

Cat. No.	UPC No.	Packaging	Product Weight
22030HNN	037103243881	Pouch	4.35 lb

Cat. No.	Description	Cat. No.	Description
21701HN	10" Mill Bastard Cut, Ergonomic Handle	21842HN	12" Mill Bastard Cut, Ergonomic Handle
21729HN	6" Slim Taper File, Ergonomic Handle	21868HN	10" Flat Bastard Cut, Ergonomic Handle
21745HN	8" Half Round Bastard Cut, Ergonomic Handle	-	6" xx Slim Taper File, Ergonomic Handle
21746HN	10" Half Round Bastard Cut, Ergonomic Handle	-	10" Round Bastard File, Ergonomic Handle
21748HN	8" Flat Bastard Cut, Ergonomic Handle		

5 Pc. Ergonomic File Set



- Rubber-Coated Ergonomic Handles for Better Comfort and Control
- General Purpose Selection for Home and Professional Use
- Set of 5 Files Fits Easily and Securely Into Rugged, Compact Pouch

Cat. No.	UPC No.	Packaging	Product Weight
22040HNN	037103243904	Pouch	2.20 lb

Cat. No.	Description	Cat. No.	Description
21694HN	8" Mill Bastard Cut, Ergonomic Handle	21746HN	10" Half Round Bastard Cut, Ergonomic Handle
21701HN	10" Mill Bastard Cut, Ergonomic Handle	21748HN	8" Flat Bastard Cut, Ergonomic Handle
21729HN	6" Slim Taper File, Ergonomic Handle		

8" Ergonomic File Set



- Rubber-Coated Ergonomic Handles for Better Comfort and Control
- Basic Selection for Home and Professional Use

Cat. No.	UPC No.	Packaging	Product Weight	Shelf Pack Qty.
22018HN	037103244901	Pouch	1.05 lb	3

Cat. No.	Description	Cat. No.	Description
21694HN	8" Mill Bastard Cut, Ergonomic Handle	-	8" Round Bastard Cut, Ergonomic Handle
21745HN	8" Half Round Bastard Cut, Ergonomic Handle		

3 Pc. 6" Ergonomic File Set



- Rubber-Coated Ergonomic Handles for Better Comfort and Control
- Basic Selection for Home and Professional Use

Cat. No.	UPC No.	Packaging	Product Weight
22015HNN	037103243829	Pouch	0.70 lb

Cat. No.	Description	Cat. No.	Description
04798HN	6" Half Round Bastard Cut, Ergonomic Handle	-	6" Round Bastard Cut, Ergonomic Handle
21687HN	6" Mill Bastard Cut, Ergonomic Handle		

9 Pc. Maintenance File Set



■ For Home and Professional Use

Cat. No.	UPC No.	Packaging	Product Weight
22030NN	037103243898	Pouch	3.45 lb

Cat. No.	Description	Cat. No.	Description
03632N	8" Flat Smooth Cut	08642N	10" Mill Bastard Cut
03665N	10" Flat Bastard Cut	12019	10" Round Bastard Cut
03731N	10" Flat Smooth Cut	14224M	6" Slim Taper File
04896N	8" Half Round Bastard Cut	18924N	8" 4-in-Hand® Rasp and File
04995N	10" Half Round Bastard Cut		

8 Pc. Machinist File Set



- Includes a File Cleaner Card
- Features a Rugged, Compact Pouch

Cat. No.	UPC No.	Packaging	Product Weight
22025NN	037103243874	Pouch	3.35 lb

Cat. No.	Description	Cat. No.	Description
03665N	10" Flat Bastard Cut	12019	10" Round Bastard Cut
03731N	10" Flat Smooth Cut	13196	10" Square Bastard Cut
04995N	10" Half Round Bastard Cut	14255M	7" Slim Taper File
08642N	10" Mill Bastard Cut	21458	10" File and Rasp Cleaner

7 Pc. Machinist File Set



■ General Purpose File Kit for Machine Shop

Cat. No.	UPC No.	Packaging	Product Weight
22024NN	037103243867	Pouch	2.50 lb

Cat. No.	Description	Cat. No.	Description
03665N	10" Flat Bastard Cut	12019	10" Round Bastard Cut
03731N	10" Flat Smooth Cut	13196	10" Square Bastard Cut
04995N	10" Half Round Bastard Cut	14255M	7" Slim Taper File
08642N	10" Mill Bastard Cut		

6 Pc. 4"/100mm American Pattern File Assortment



- 4" Warding, Half-Round, Round, Hand, Square and Slim Taper Files
- All Files Come with Handles
- Kit Comes in Bastard-Cut Only
- Six of the Most Popular 4" Files Packaged in An Attractive Plastic Pouch

Cat. No.	UPC No.	Packaging	Product Weight	Shelf Pack Qty.
22062NN	037103243928	Pouch	0.40 lb	2

5 Pc. General Purpose Set



- General Purpose File Kit for Home and Professional Use
- Set of 5 Files Fits Easily and Securely Into Rugged, Compact Pouch

Cat. No.	UPC No.	Packaging	Product Weight
22040NN	037103243911	Pouch	1.80 lb

Cat. No.	Description	Cat. No.	Description
04995N	10" Half Round Bastard Cut	08642N	10" Mill Bastard Cut
08497N	8" Mill Bastard Cut	14224M	6" Slim Taper File
08560N	8" Mill Smooth Cut		

4 Pc. Thread Restoring File Set



- Used to Restore Damaged or Worn External Threads on Bolts, Pipes, Etc.
- Each Thread Restoring File Will Work with 8 Different Thread Sizes
- Convenient 4-Piece Set
- Color Caps on Tubes
- Type 1 Black Cap: Regular Bolt; 11, 12, 13, 14, 16, 18, 20, 24 Tpi
- Type 2 Red Cap: Ex. Fine/Ex. Coarse Bolt; 9, 10, 12, 16, 20, 27, 28, 32 Tpi
- Type 7 Green Cap: Regular Pipe; 8, 10, 11 1/2, 14, 16, 18, 24, 27 Tpi
- Type 8 Blue Cap: Metric Bolt; .80, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00 mm

Cat. No.	UPC No.	Packaging	Product Weight
33024	037103330246	Pouch	1.60 lb

Cat. No.	Description	Cat. No.	Description
33001	No. 1 Regular Bolt Thread Restoring File	-	No. 7 Regular Pipe Restoring File
33007	No. 2 Extra Fine/Extra Coarse Thread Restoring File	33016	No. 8 Metric Bolt Thread Restoring File

4 Pc. Handy Man's Home File Pack



■ For Home and Professional Use

Cat. No.	UPC No.	Packaging	Product Weight	Shelf Pack Qty.
22017NN	037103243843	Pouch	0.82 lb	5

Cat. No.	Description	Cat. No.	Description
08497N	8" Mill Bastard Cut	14224M	6" Slim Taper File
11716N	6" Round Bastard Cut	18924N	8" 4-in-Hand® Rasp and File

3 Pc. File Pack



- For Home and Professional Use
- Pack Contains Files for Every Purpose
- 6"/150mm Slim Taper File
- 6"/150mm Round File
- 6"/150mm Mill Bastard File
- Plastic Pouch Lists Suggested Uses for Each File
- Pack Measures 3-1/2"/88mm X 9-1/2"/237mm with Hang Up Hole

Cat. No.	UPC No.	Packaging	Product Weight	Shelf Pack Qty.
22015NN	037103243836	Pouch	0.28 lb	5

Cat. No.	Description	Cat. No.	Description
08354N	6" Mill Bastard Cut	14224M	6" Slim Taper File
11716N	6" Round Bastard Cut		

6 Pc. Hobby File Set



- Selection of 6 Miniature Files with Fine Cut for Intricate Work
- 1 Each of Equaling, Half Round, Flat, Round, Three Square, Square Files
- Handy Vinyl Case Vacuum Packed on Hang Up Card
- Ideal for Handycrafts and Hobbies

Cat. No.	UPC No.	Packaging	Length	Product Weight	Shelf Pack Qty.
42030	037103420305	Pouch	5-1/2 in	0.10 lb	6

X.F.® Swiss Pattern Needle File Assortment Sets



- Made to More Exacting Measurements Than American Pattern Files
- Used Primarily By Jewelers, Die Makers, Watchmakers and Fine Toolmakers
- Knurled Handles
- Assortments of 12 File Shapes, Based on Length and Cut
- Assortments also Include Joint and Marking Files

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
37029	037103370297	Pouch	4 in	0	0.10 lb	10
37035	037103370358	Pouch	4 in	2	0.13 lb	10
37392	037103373922	Pouch	5-1/2 in	0	0.20 lb	10
37398	037103373984	Pouch	5-1/2 in	2	0.20 lb	10
37404	037103374042	Pouch	5-1/2 in	4	0.20 lb	10
37755	037103377555	Pouch	6-1/4 in	0	0.25 lb	10
37761	037103377616	Pouch	6-1/4 in	2	0.25 lb	10
37767	037103377678	Pouch	6-1/4 in	4	0.25 lb	10

4-in-1 Pro Series Hacksaw Frame



- Standard 90 degree for general use
- 45 degree angle for flush cuts
- Low profile position for tight spaces
- Jab saw configuration for a variety of inside cuts
- High tension for tightening the blade up to 30,000 psi
- Cushion grip handle for better control and comfort
- Magnetic blade storage inside frame

Cat. No.	UPC No.	Packaging	Type of Frame	Blade Length	Product Weight
80975	037103809759	Carded	4-In-1 Pro Series Hacksaw Frame	12 in	2.50 lb

Cushion Grip Hacksaw Frame



- Rugged, lightweight frame built for professional tool users
- High tension reading, increased blade beam strength
- Uses high tensile strength Nicholson® Bi-Metalloy® hand hacksaw blades
- Screw-operated lever for tensioning the blade up to 30,000 PSI
- Blade can be positioned for 45° or 90° cutting
- Spare blades can be stored inside frame
- End of frame can be used as a jab saw

Cat. No.	UPC No.	Packaging	Type of Frame	Blade Length	Product Weight
80965	037103809650	Carded	Cushion Grip High Tension	12 in	2.40 lb

High Tension Hacksaw Frame



- Quick changing blades
- Adjustable crank handle for tension up to 30,000 PSI torque
- Spare blades can be stored inside frame
- Blade can be positioned for 45° or 90° cutting
- End of frame can be used as a jab saw

Cat. No.	UPC No.	Packaging	Type of Frame	Blade Length	Product Weight
80956	037103809568	Carded	High Tension Adjustable	12 in	1.80 lb

Heavy Duty Hacksaw Frame- Nicholson



- High impact, contoured handle
- Adjust from 10" to 12"
- 45° blade adjustment



Cat. No.	UPC No.	Packaging	Type of Frame	Blade Length	Product Weight
80952	037103809520	Carded	Adjustable	10 in, 12 in	1.80 lb

General Purpose Hacksaw Frame



- Instantly adjustable for 10"/250mm to 12"/300mm blades
- Adjusts 90° for vertical or horizontal cuts

Cat. No.	UPC No.	Packaging	Type of Frame	Blade Length	Product Weight
80951	037103809513	Carded	Adjustable	10 in, 12 in	1.10 lb

Economy Hacksaw Frame



- Adjustable from 10"/250mm to 12"/300mm
- Cuts to 2.75"/70mm in depth
- For DIY and home use

Cat. No.	UPC No.	Packaging	Type of Frame	Blade Length	Product Weight
80950	037103809506	Carded	Adjustable	10 in, 12 in	0.70 lb

Little-Nic® Utility Hacksaw



- For professionals and homeowners
- Gets into small places, makes difficult cutting jobs easy
- Overall length 10
- Uses any standard size hacksaw blade
- Comes complete with high quality Nicholson® SS1024 hacksaw blade
- Blister packed on attractive cards with suggested uses on back

Cat. No.	UPC No.	Packaging	Blade Length	Product Weight
80968	037103809681	Carded	10 in	0.30 lb

Jab Saw with Sheath



- Aggressive tooth design
- Cuts on the push and pull stroke
- Sharpened tip makes cutting drywall easier
- Non-slip, comfort grip handle
- Includes ballistic nylon sheath for safe storage
- Great for projects such as drywall, cement board, wood or plastic

Cat. No.	UPC No.	Packaging	Blade Length	Product Weight
NS500	037103212269	Carded	6.5 in	0.62 lb

Jab Saw



- Special saw always needed for the difficult jobs
- Designed for those hard-to-reach areas
- Jab saw will work with any standard size hacksaw blade
- Can replace worn blade easily
- Untighten adjusting saw, remove worn blade and replace
- Replace with a new Nicholson® blade, re-tighten the adjusting screw

Cat. No.	UPC No.	Packaging	Blade Length	Product Weight
80969	037103809698	Carded	10 in	0.30 lb

Bi-Metaloy® Hand Hacksaw Blades



- Molybdenum alloy tool steel edge
- Tough flexible high carbon steel backing
- Lasts twice as long as high-speed steel
- Lasts up to ten times longer than carbon steel
- Operates 20% to 50% faster
- High tooth hardness and shock resistance
- 2 Blades per card - 10 cards per bag - 40 bags per carton

Cat. No.	UPC No.	Packaging	Set Type	Length	TPI/PPI	Width	Gauge	Product Weight
62635	037103626356	Boxed	Wavy	10 in	18	0.50 in	0.025 in	0.04 lb
62659	037103626592	Boxed	Wavy	10 in	24	0.50 in	0.025 in	0.04 lb
62706	037103627063	Boxed	Raker	12 in	14	0.50 in	0.025 in	0.04 lb
62723	037103627230	Boxed	Wavy	12 in	18	0.50 in	0.025 in	0.04 lb
62749	037103627490	Boxed	Wavy	12 in	24	0.50 in	0.025 in	0.02 lb
62776	037103627766	Boxed	Wavy	12 in	32	0.50 in	0.025 in	0.04 lb
62811	037103628114	Carded	Wavy	10 in	18	0.50 in	0.025 in	0.08 lb
62826	037103628268	Carded	Wavy	12 in	18	0.50 in	0.025 in	0.11 lb
62830	037103628305	Carded	Wavy	10 in	24	0.50 in	0.025 in	0.10 lb
62832	037103628329	Carded	Wavy	12 in	24	0.50 in	0.025 in	0.10 lb
62835L	037103188069	Carded	Wavy	12 in	24	0.50 in	0.025 in	0.45 lb
62836L	037103188076	Carded	Wavy	12 in	18	0.50 in	0.025 in	0.43 lb
62838*	037103628381	Carded	Wavy	12 in	18/24/32	0.50 in	0.025 in	0.30 lb
62839	037103628398	Carded	Wavy	12 in	32	0.50 in	0.025 in	0.11 lb

* 6 blades per card

Solid Flexible Carbon Steel Hacksaw Blades



- Solid high carbon steel
- Tempered to provide hard edge with flexible back
- Specially hardened to induce toughness
- Economy blade for sawing light to medium-hard materials
- A good balance of wear resistance, mechanical shock absorbing properties
- Virtually unbreakable
- 2 blades per card - 10 cards per bag - 40 bags per carton

Cat. No.	UPC No.	Packaging	Set Type	Length	TPI/PPI	Width	Gauge	Product Weight
63103	037103631039	Boxed	Wavy	10 in	18	0.50 in	0.025 in	0.04 lb
63112	037103631121	Boxed	Wavy	10 in	24	0.50 in	0.025 in	0.04 lb
63145	037103631459	Boxed	Wavy	12 in	18	0.50 in	0.025 in	0.04 lb
63158	037103631589	Boxed	Wavy	12 in	24	0.50 in	0.025 in	0.04 lb
63220	037103632203	Carded	Wavy	10 in	24	0.50 in	0.025 in	0.08 lb
63256	037103632562	Carded	Wavy	12 in	18	0.50 in	0.025 in	0.09 lb
63268	037103632685	Carded	Wavy	12 in	24	0.50 in	0.025 in	0.05 lb
63280	037103632807	Carded	Wavy	12 in	32	0.50 in	0.025 in	0.10 lb

Predator Handsaws



- Ergonomic handle with rubber-coated grip for comfort and control
- Razor sharp diamond ground teeth for easier cuts
- Induction hardened Hard Point (H.P.) teeth never need resharping
- Handle features 45/90 degree shape for marking angles

Cat. No.	UPC No.	Packaging	Length	Points Per Inch	Tooth Type	Product Weight
NSP1	037103172358	Carded	24 in	8	Standard Hard Point	1.17 lb
NSP2	037103172365	Carded	24 in	10	Standard Hard Point	1.17 lb
NSP5	037103172396	Carded	15 in	8	Aggressive Hard Point	0.82 lb

Professional Handsaws



- Precision set teeth for smooth cuts
- Hardened and tempered polished steel blade
- Resharpenable teeth for long life

Cat. No.	UPC No.	Packaging	Length	Points Per Inch	Tooth Type	Product Weight
NS1501	037103172310	Carded	24 in	8	Standard	1.25 lb
NS1502	037103172327	Carded	24 in	12	Standard	1.25 lb
NS1503	037103172334	Carded	20 in	8	Standard	1.00 lb
NS1504	037103172341	Carded	15 in	8	Standard	1.00 lb

Quik-Cut Economy Handsaw



- Precision set teeth for smooth cuts
- Hardened and tempered polished steel blade
- Resharpenable teeth for long life
- Handle features 40/90 degree shape for long life

Cat. No.	UPC No.	Packaging	Length	Points Per Inch	Tooth Type	Product Weight
NS503N	037103227126	Carded	15 in	8	Standard	0.95 lb

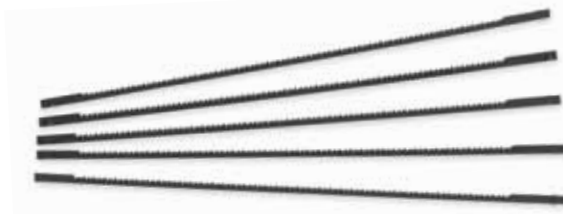
4-1/4" Coping Saw



- Popular with carpenters and home craftsman
- Throat opening permits cuts up to 4-1/4"
- Spring steel, rounded edge frame with polished finish
- Adjustable angle blade
- Straight type wood handle

Cat. No.	UPC No.	Packaging	Length	Points Per Inch	Blade Length	Blade Width	Product Weight
80170	037103801708	Carded	12-1/2 in	15	6-1/2 in, 165 mm	1/8 in, 3.17 mm	0.50 lb

Coping Saw Blades



- 6-1/2"/165mm long
- 15 points, pin end
- Fits Nicholson® model No. 80170 and 80176 frames
- Blister packed
- 5 blades per card

Cat. No.	UPC No.	Packaging	Length	Points Per Inch	Blade Width	Product Weight
80182N	037103801821	Carded	6-1/2 in	15	1/8 in, 3.17 mm	0.03 lb

Predator® Compass/Keyhole Saw



- Ergonomic handle with rubber-coated grip for comfort and control
- Razor sharp diamond ground teeth for easier cuts
- Induction hardened Hard Point (H.P.) teeth never need resharpener
- Blade tapered to a point for starting holes and cutting curves

Cat. No.	UPC No.	Packaging	Length	Points Per Inch	Tooth Type	Product Weight
NSP9	037103172426	Carded	12 in	8	Hard Point	0.40 lb

BowHack® Combination Bowsaw and Hacksaw



- Flat ground
- For smooth cutting of paneling, plywood and laminates
- Made from finest alloy saw steel
- Stays sharper longer, resists rust
- Easily resharpened
- Cuts smoother with less friction

Cat. No.	UPC No.	Description	Packaging	Length	Product Weight	Shelf Pack Qty.
80777	037103807779	12" Bow Hack Combination, Hi-Viz Frame	Display	12 in	1.40 lb	-
80799	037103807991	12" Bow Hack Combination, Black Frame	Display	12 in	1.45 lb	-
80814	037103808141	12" Bow Saw Replacement Blade	Bulk with UPC	12 in	0.75 lb	10

Curved Pruner



- General-purpose pruner for fast cutting of small limbs
- A favorite in citrus groves and vineyards
- Silver Steel® constructed blade with polished finish
- Easy-to-grip knife-type wood handle trimmed with aluminum screws
- Full cardboard sleeve protects the blade

Cat. No.	UPC No.	Packaging	Length	Reverse Rip Points Per Inch	Product Weight
80263	037103802637	Carded	14 in	6	0.50 lb

Double Edge Pruner



- Lightweight, economy pruner
- Dual-purpose pruner
- Special steel constructed blade
- Fine teeth on one edge for light trimming
- Teeth on opposite edge for heavier limbs
- Wood handle
- Plastic sleeve for blade protection

Cat. No.	UPC No.	Packaging	Length	Points Per Inch	Product Weight
80269	037103802699	Carded	16 in	8 (fine edge)	0.80 lb

Silver Flash Pruner



- Heavy-duty
- Preferred by utility crews and tree surgeons
- Silver Steel® constructed blade, flat ground
- Concave cutting edge has precision set and bevel filed teeth
- Teeth cut fast on the pull stroke
- Extra large teeth and gullets for speed cutting large limbs
- Wood handle
- Full cardboard sleeve protects blade

Cat. No.	UPC No.	Packaging	Length	Product Weight
80299	037103802996	Carded	26 in	1.50 lb

Tuttle Tooth Pruner



- All-purpose saw for general pruning
- Special steel constructed blade
- Teeth designed for fast cutting of large limbs and firewood
- Wood handle
- Full cardboard sleeve protects blade

Cat. No.	UPC No.	Packaging	Length	Product Weight
80309	037103803092	Carded	24 in	1.80 lb

Plumb®

Durable striking products
since 1856, engineered for
superior quality and balance

- Claw and Ball Pein Hammers
- Heavy Hammers
- Brick Hammers
- Hatchets



Plumb®



The quality of Plumb® tools has been recognized and preferred by tool users throughout the world. The special analysis steel used to make Plumb® tools is forged to close tolerances and heat treated to build in the toughness necessary to withstand impact. Extra care is then taken in hardening and tempering to make each part of the tool ready for the specific job it has to do.

You can be sure Plumb® tools have the toughness, durability and keenness to do the job. Plumb® tools are engineered for balance and exacting care is taken to assure the head is “hung” on the handle at the right angle. This built-in balance gives Plumb® tools extra driving power. They swing easy – hit hard.

Introducing Solid Steel Claws

BUILT TO SWING EASY

AND HIT HARD

- **'Thumb-Saving' Magnetic Nail Starter** saves time and reduces chance of injury
- **Checkered Face** on select models provides increased control when driving nails
- **Co-Molded Grip** with pliable outer material for improved comfort
- **Weight-Forward Design** with better balance for increased power and less fatigue
- **Permabond® Chemical Bonding Process** seals moisture out that requires a bond that takes 2 tons of pressure to pull apart, used on all nail hammers except one-piece hammers



Magnetic Nail Starter



Checkered Face

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Fiberglass Regular Curved Claw



- Polished Finish on Head, Bell, Striking Face, Back and Sides
- Round Bell and Octagon Neck
- Virtually Unbreakable Fiberglass Handle
- Solid Fiberglass Core Covered with A Molded Nylon Jacket
- Resists Breakage Due to Overstrike
- Contoured Handle for Increased Comfort and Reduced Fatigue
- Enlarged Handle Base for Butting Material
- New Grip Material Reduces Handle Slickness
- Factory Balanced for Maximum Striking Power

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Length	Face Finish	Product Weight
11407	037103114075	Carded	13 oz	12.5 in	Polished	1.40 lb
11406	037103114068	Carded	16 oz	13 in	Polished	1.66 lb
11405	037103114051	Carded	20 oz	13 in	Polished	1.90 lb

Fiberglass Regular Ripping Claw



- Polished Finish on Head, Bell, Striking Face, Back and Sides
- Round Bell and Octagon Neck
- Virtually Unbreakable Fiberglass Handle
- New Grip Material Reduces Handle Slickness
- Factory Balanced for Maximum Striking Power
- Permabond® Construction Between Head and Handle

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Length	Face Finish	Product Weight
11418	037103114181	Carded	20 oz	13 in	Polished	1.60 lb
11419	037103114198	Carded	16 oz	13 in	Polished	1.63 lb

Fiberglass Premium Curved Claw



- High-Luster, Full-Polished Finish
- Virtually Unbreakable Fiberglass Handle
- Solid Fiberglass Core Covered with A Molded Nylon Jacket
- Resists Breakage Due to Overstrike
- Contoured Handle for Increased Comfort and Reduced Fatigue
- Enlarged Handle Base for Butting Material
- New Grip Material Reduces Handle Slickness
- Factory Balanced for Maximum Striking Power
- Permabond® Construction Between Head and Handle

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Length	Face Finish	Product Weight
11403N	037103226907	Carded	13 oz	12.5 in	Polished	1.25 lb
11402N	037103226891	Carded	16 oz	13 in	Polished	1.65 lb
11400N	037103226884	Carded	20 oz	13 in	Polished	1.85 lb

Fiberglass Premium Ripping Claw



- High-Luster, Full-Polished Finish
- Virtually Unbreakable Fiberglass Handle
- Contoured Handle for Increased Comfort and Reduced Fatigue
- Enlarged Handle Base for Butting Material
- New Grip Material Reduces Handle Slickness
- Factory Balanced for Maximum Striking Power
- PermaBond® Construction Between Head and Handle

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Length	Face Finish	Product Weight
11415N	037103226921	Carded	16 oz	13 in	Polished	1.65 lb
11420N	037103226952	Carded	20 oz	13 in	Polished	1.80 lb
11414N	037103226914	Carded	22 oz	13.5 in	Polished	2.08 lb
11416N	037103226938	Carded	22 oz	15 in	Polished	1.90 lb
11417N	037103226945	Carded	22 oz	15 in	Checkered	2.10 lb

Solid Steel Premium Curved Claw



- Anti-Vibration Feature Absorbs Shock and Minimizes Muscle Fatigue
- 1-Piece Forged Solid Steel Construction
- Co-Molded Hatchet Style Handle for Increased Comfort and Control
- High-Luster, Full Polished Finish
- Magnetic Nail Starter

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Length	Face Finish	Product Weight
SS16CN	037103226648	Carded	16 oz	12.875 in	Polished	1.86 lb
SS20CN	037103226662	Carded	20 oz	13.75 in	Polished	1.80 lb

Solid Steel Premium Ripping Claw



- Anti-Vibration Feature Absorbs Shock and Minimizes Muscle Fatigue
- 1-Piece Forged Solid Steel Construction
- Co-Molded Hatchet Style Handle for Increased Comfort and Control
- High-Luster, Full Polished Finish
- Magnetic Nail Starter

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Length	Face Finish	Product Weight
SS16RN	037103226655	Carded	16 oz	12.875 in	Polished	1.65 lb
SS20RN	037103226679	Carded	20 oz	13.75 in	Polished	1.88 lb
SS22RCFN	037103226709	Carded	22 oz	15.875 in	Checkered	2.09 lb
SS22RN	037103226723	Carded	22 oz	15.875 in	Polished	2.09 lb
SS28RCFN	037103226716	Carded	28 oz	16 in	Checkered	2.30 lb
SS28RN	037103226693	Carded	28 oz	16 in	Polished	2.30 lb

Fiberglass Ball Pein Hammers



- Rust-Resistant, Forged Black Head with Polished Poles and Peins
- Professional Quality Fiberglass Handle
- Permabond® Construction Between Head and Handle
- Comfortable Black Cushion Grip
- Meets or Exceeds ASME B173.2 and US Federal Spec. GGG-H-86C

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Head Weight (Pounds)	Length	Face Finish	Product Weight
11426	037103114266	-	16 oz	1.0 lb	12.75 in	Polished	1.50 lb
11428	037103114280	Carded	24 oz	1.5 lb	15 in	Polished	2.22 lb
11429	037103114297	Carded	32 oz	2 lb	15 in	Polished	1.19 lb

Hickory Ball Pein Hammers



- Ground, Black Head
- Polished Poles and Peins
- Quality, Hickory Handle
- Permabond® Construction Between Head and Handle
- Meets or Exceeds ASME B173.2 and US Federal Spec. GGG-H-86C

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Head Weight (Pounds)	Length	Face Finish	Product Weight
11494	037103114945	Bulk	4 oz	0.25 lb	10.5 in	Polished	0.44 lb
11496	037103114969	Bulk	8 oz	0.5 lb	11.25 in	Polished	0.75 lb
11497	037103114976	Bulk	12 oz	0.75 lb	11.25 in	Polished	0.90 lb
11498	037103114983	Bulk	16 oz	1.0 lb	12.75 in	Polished	1.40 lb
11499	037103114990	Bulk	20 oz	1.25 lb	12.75 in	Polished	1.60 lb
11520	037103115201	Bulk	24 oz	1.5 lb	15 in	Polished	2.10 lb
11521	037103115218	Bulk	32 oz	2 lb	15 in	Polished	2.50 lb
11522	037103115225	Bulk	40 oz	2.5 lb	15 in	Polished	3.00 lb

Blacksmith Hand Hammer



- Quality, Steel Forged Head, Hardened and Tempered
- Durable, Flat Black Finish on Head
- Hickory Handle
- Wood Wedged for Easy Handle Replacement
- Weight Distribution Concentrated Behind Striking Face for Added Power
- Meets or Exceeds US Federal Spec. GGG-H-86C

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Head Weight (Pounds)	Length	Face Diameter	Product Weight
11524	037103115249	Bulk	40 oz	2.5 lb	14 in	1.25 in	2.93 lb
11525P	037103115256	Bulk	48 oz	3.0 lb	14 in	1.25 in	3.50 lb

Fiberglass Brick Hammers



- Forged Head
- Polished Face, Chamfer, Bit, Back and Sides
- Fiberglass Handle with Comfortable Cushion Grip
- Permabond® Construction Between Head and Handle
- 1 1/8"- Wide Bit on 24oz.
- 1 1/16"- Wide Bit on 15oz.

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Head Weight (Pounds)	Length	Face Finish	Product Weight
11422	037103114228	Carded	15 oz	1 lb	12.25 in	Polished	1.70 lb
11421	037103114211	Carded	24 oz	1.5 lb	13 in	Polished	2.15 lb

Hickory Handled Brick Hammers



- Forged Head
- Durable, Black Epoxy Powder Paint on Head
- Sharp Cutting Bit
- Strong Hickory Handle
- Permabond® Construction Between Head and Handle
- 1 1/8"- Wide Bit on 24oz.
- 1 1/16"- Wide Bit on 15oz.

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Head Weight (Pounds)	Length	Face Finish	Product Weight
11492	037103114921	Bulk	15 oz	1 lb	11 in	Polished	1.46 lb
11491P	037103114914	Bulk	24 oz	1.5 lb	11 in	Polished	1.95 lb

Fiberglass Wide Bit Brick Hammer



- Forged Head
- Durable, Black Epoxy Powder Paint on Head
- Sharp, Wide Cutting Bit
- Fiberglass Handle with Comfortable Cushion Grip
- Permabond® Construction Between Head and Handle
- 1 3/4"- Wide Bit

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Head Weight (Pounds)	Length	Face Finish	Product Weight
11502	037103115027	Carded	20 oz	1.25 lb	13 in	Polished	1.90 lb

Sold Steel Brick Hammer



- Patent Pending Anti-Vibration Shock Absorbing Technology
- Anti-Vibration Feature Absorbs Shock and Minimizes Muscle Fatigue
- 1-Piece Forged Solid Steel Construction
- Co-Molded Contoured Handle for Increased Comfort and Control
- High-Luster, Full Polish Finish

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Head Weight (Pounds)	Length	Face Finish	Product Weight
SS20BHN	037103228277	Carded	20 oz	1.25 lb	11 in	Polished	1.84 lb

Hickory Handled Scaling Hammer



- Forged Head
- Durable, Black Epoxy Powder Paint Finish on Head
- Red Hickory Handle
- Permabond® Construction Between Head and Handle
- Used By Welders

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Head Weight (Pounds)	Length	Face Finish	Product Weight
11530	037103115300	Bulk	16 oz	1 lb	13 in	Black	1.60 lb

Fiberglass Handled Prospecting Hammer



- Forged Head
- Polished Face, Chamfer, and Back
- Fiberglass Handle with Comfortable Cushion Grip
- Permabond® Construction Between Head and Handle
- Known As the "Rock Hound" Hammer

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Head Weight (Pounds)	Length	Face Finish	Product Weight
11423	037103114235	Carded	16 oz	1 lb	12.5 in	Polished	1.70 lb

Hickory Handled Prospecting Hammer



- Forged Head
- Durable, Black Epoxy Powder Paint Finish on Head
- Polished Face and Chamfer
- Strong Hickory Handle
- Permabond® Construction Between Head and Handle
- Used Primarily By Prospectors and Geologists

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Head Weight (Pounds)	Length	Face Finish	Product Weight
11493	037103114938	Bulk	16 oz	1 lb	12.5 in	Polished	1.45 lb

Autograf Hammers - Premium Curved Claw



- High-Luster, Full-Polished
- Quality, Red Hickory Handle
- Permabond® Construction Between Head and Handle
- Factory Balanced

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Length	Face Finish	Product Weight
11438	037103114389	Bulk	13 oz	12.5 in	Polished	1.18 lb
11436	037103114365	Bulk	16 oz	13 in	Polished	1.45 lb
11435	037103114358	Bulk	20 oz	13 in	Polished	1.68 lb

Autograf Hammers - Premium Ripping Claw



- High-Luster, Full-Polished Head, Pole, Back and Sides
- Quality, Red Hickory Handle
- Permabond® Construction Between Head and Handle
- Factory Balanced

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Length	Face Finish	Product Weight
11440	037103114402	Bulk	16 oz	13 in	Polished	1.46 lb
11439	037103114396	Bulk	22 oz	13.5 in	Polished	1.80 lb
11442	037103114426	Bulk	22 oz	16 in	Checkered	2.00 lb

Hand Drilling Hammer



- Black Forged Head
- Hickory Handle
- Wood Wedged for Easy Handle Replacement
- Recommended for Striking Cold Chisels and Brick Chisels
- Also for Punches, and Star Drills
- Known As the "Stone Cutter's" Hammer
- Meets or Exceeds US Federal Spec. GGG-H-86C

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Head Weight (Pounds)	Length	Face Diameter	Product Weight
11649	037103116499	Bulk	48 oz	3.0 lb	10.75 in	1.25 in	3.46 lb

Double Faced Engineer's Hammers



- Forged From High-Quality Steel, Hardened and Tempered
- Durable, Flat Black Finish on Head
- Two Precision Machined Driving Faces
- Hickory Handle
- Wood Wedged for Easy Handle Replacement
- Meets or Exceeds ASME B173.3

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Head Weight (Pounds)	Length	Product Weight
11527	037103115270	Bulk	40 oz	2.5 lb	14 in	2.86 lb
11528	037103115287	Bulk	48 oz	3 lb	14 in	3.45 lb
11529NN	037103227164	Bulk	64 oz	4 lb	15.75 in	4.80 lb

Half Hatchet (Octagon Pole) Hickory Handle



- Durable, Black Epoxy Finish on Head
- Octagon-Shaped Pole
- Hardened, Tempered Bit Holds Sharp Cutting Edge
- Hickory Handle
- Permabond® Construction Between Head and Handle

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Bit Size	Length	Product Weight
11549	037103115492	Bulk	30 oz	3-5/8 in	13.5 in	2.20 lb

Broad Hatchet



- Black Epoxy Finish on Head
- Heavy Hatchet Has Broad, Single-Bevel, Cutting Edge
- Hickory Handle
- Permabond® Construction Between Head and Handle

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Bit Size	Length	Product Weight
11554	037103115546	Bulk	36 oz	4-1/2 in	15.5 in	3.23 lb

Expert California Lathe Hatchet



- Full Polished Head
- Checkered Striking Face
- Thin Blade
- Hickory Handle
- PermaBond® Construction Between Head and Handle

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Bit Size	Length	Product Weight
11544P	037103115447	Bulk	20 oz	2-1/8 in	12.5 in	1.80 lb

Register Hatchet



- Full Polished Head
- Checkered Face
- Sharp Cutting Edge
- Hickory Handle
- PermaBond® Construction Between Head and Handle

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Bit Size	Length	Product Weight
11559P	037103115591	Bulk	28 oz	3-1/2 in	18 in	2.45 lb

Expert Shingling Hatchet



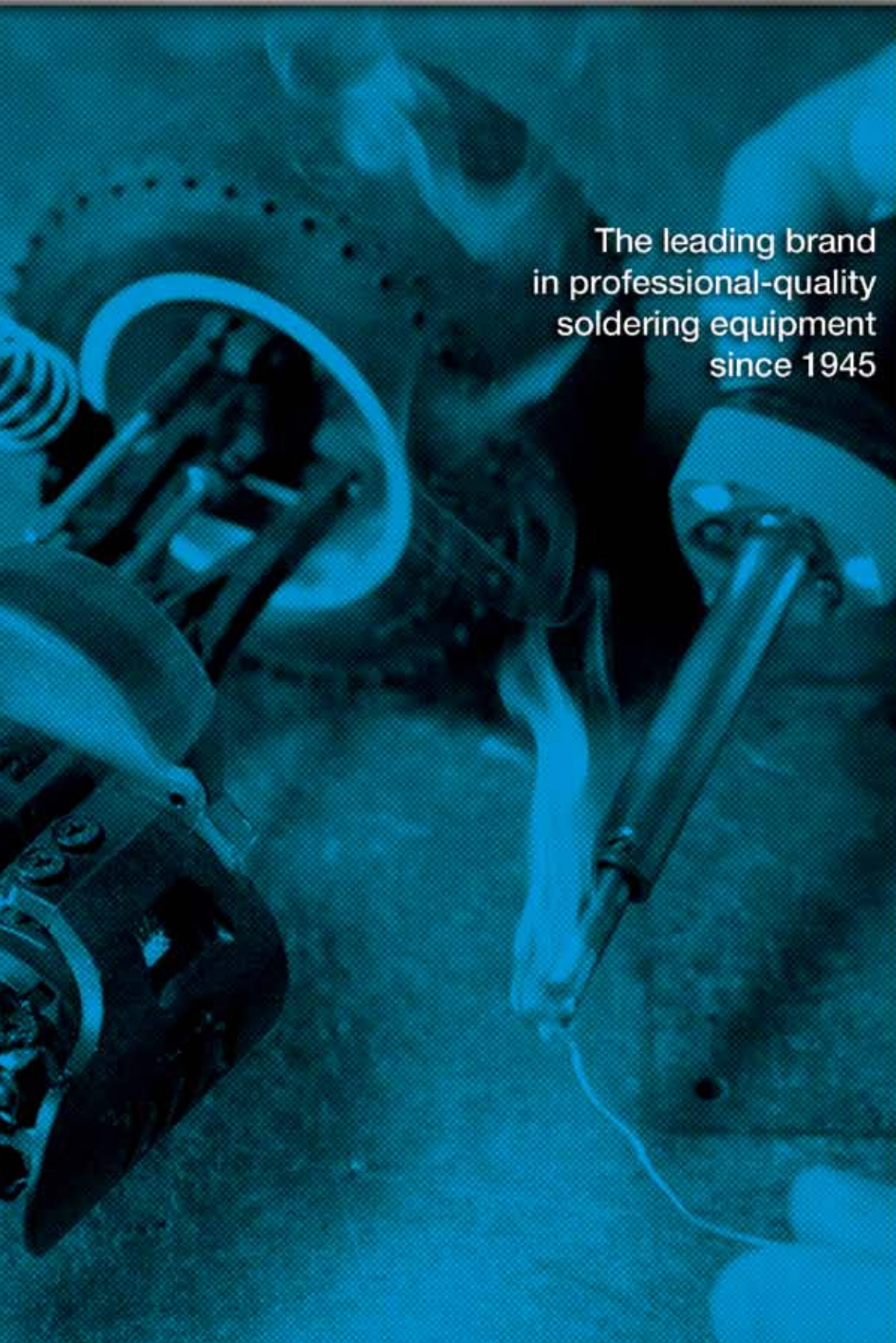
- Full-Polished Head
- Adjustable Gauge
- Checkered Face
- Draw Knife Inner Blade
- Hickory Handle with Leather Strap
- PermaBond® Construction Between Head and Handle
- Designed for the Expert Shingler

Cat. No.	UPC No.	Packaging	Head Weight (Ounces)	Bit Size	Length	Product Weight
11558	037103115584	Bulk	24 oz	2-1/8 in	13 in	2.20 lb

Weller®

The leading brand
in professional-quality
soldering equipment
since 1945

- Soldering Guns and Irons
- Cordless Soldering Irons and Torches
- Hobby Kits and Soldering Stations



Weller®

A brand like Weller® with nearly 70 years of experience is charged not only with preserving and strengthening its reputation, but also with an equally vital task: to meet the demands of the current marketplace day after day.



HIGH-PERFORMANCE



LED SOLDERING IRONS

- **Three 5mm high-temperature, long-life LEDs** at 25 lumens/ft² for superior soldering accuracy and application illumination
- **Co-molded, soft-grip ribbed handle** design for maximum comfort and reduced slippage
- **Triangular area for maximum tip control** and round handle for ease of tip rotation
- **High-performance, stainless-steel heater technology** with heat up to 750°F
- **A 7-year warranty, longest in the industry**
- **Cord strain relief** for extended life
- **Possible applications:** micro-components, electronic kits, low-voltage wiring, wire connection <18 AWG (0.04" diameter)



Standard Lightweight Soldering Gun Kit



- Single-heat gun produces 75 watts
- Ready to use in 15 seconds
- High efficiency, tin-plated copper tip
- 2-wire cord
- UL and cUL listed

Cat. No.	UPC No.	Packaging	Wattage	Voltage	Temperature Range	Cord Length	Contents	Product Weight
7200PKS	037103136657	Clamshell w/ sensormatic tag	75 W	120 V	1050° F / 566° C	6 ft	7200 series soldering gun Coil of lead free solder 2 standard soldering tips Instruction leaflet	1.65 lb

Universal Soldering Gun Kit



- Universal all-purpose gun
- Dual-heat gun produces 140 or 100 watts
- Pistol grip design
- Fingertip trigger selects high (1st trigger position) or low output (2nd trigger position)
- Ready to use in 6 seconds
- High efficiency, tin-plated copper tip
- Light illuminates work
- 2-wire cord
- UL and cUL listed

Cat. No.	UPC No.	Packaging	Wattage	Voltage	Temperature Range	Cord Length	Contents	Product Weight
8200PKS	037103144331	Blow Molded Case	140 W / 100 W	120V	900° F / 482° C	6 ft	8200 dual heat soldering gun, Coil of lead free solder, 1 standard soldering tip, 1 smoothing tip, 1 cutting tip, tip removal tool, Instruction booklet	3.30 lb

Universal Soldering Gun



- Universal all-purpose gun
- Dual-heat gun produces 140 or 100 watts
- Pistol grip design
- Fingertip trigger selects high (1st trigger position) or low output (2nd trigger position)
- Ready to use in 6 seconds
- High efficiency, tin-plated copper tip
- Light illuminates work
- 2-wire cord
- UL and cUL listed

Cat. No.	UPC No.	Packaging	Wattage	Voltage	Temperature Range	Cord Length	Product Weight
8200	037103475848	Box	140 W / 100 W	120V	900° F / 482° C	6 ft	2.10 lb

120V Professional Soldering Gun Kit



- Professional heavy-duty, dual-heat gun produces 260 or 200 watts
- Pistol grip design, ready to use in 60 seconds
- Fingertip trigger selects high (1st trigger position) or low output (2nd trigger position)
- Heavy gauge, high efficiency, tin-plated copper tip
- Twin lights illuminate work
- 2-wire cord
- UL and cUL listed

Cat. No.	UPC No.	Packaging	Wattage	Voltage	Temperature Range	Cord Length	Contents	Product Weight
D550PK	037103475428	Blow Molded Case	260 W / 200 W	120V	900-1100° F / 482-593° C	6 ft	D550 professional soldering gun, Coil of lead free solder, 1 standard soldering tip, 1 smoothing tip, 1 cutting tip, tip removal tool, Instruction booklet	4.20 lb

120V Professional Soldering Gun



- Professional heavy-duty, dual-heat gun produces 260 or 200 watts
- Pistol grip design, ready to use in 60 seconds
- Fingertip trigger selects high (1st trigger position) or low output (2nd trigger position)
- Heavy gauge, high efficiency, tin-plated copper tip
- Twin lights illuminate work
- 2-wire cord
- UL and cUL listed

Cat. No.	UPC No.	Packaging	Wattage	Voltage	Temperature Range	Cord Length	Product Weight
D550	037103475411	Boxed	260 W / 200 W	120V	900-1100° F / 482-593° C	6 ft	2.70 lb

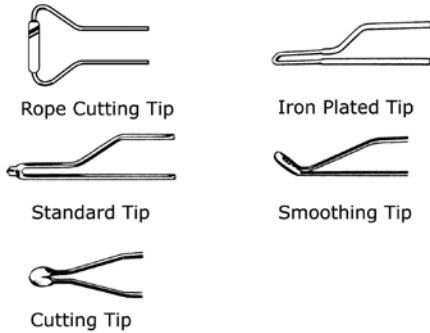
120V Industrial Soldering Gun and Kit



- Industrial quality, heavy-duty dual-heat gun produces 300 or 200 watts
- Highest power output of all our soldering guns
- Fingertip trigger selects high (1st trigger position) or low output (2nd trigger position)
- Heat-resistant thermoplastic housing
- High efficiency, tin-plated copper tip
- Heavy-duty grounded 3-wire cord
- Soldering, cutting and smoothing tips available
- UL and cUL listed

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Cord Length	Contents	Product Weight
D650	037103079480	Box	Industrial Soldering Gun	300 W / 200 W	120V	900-1100° F / 482-593° C	6 ft	D650 Industrial soldering gun, 1 standard soldering tip, Instruction booklet	3.90 lb
D650PK	037103129925	Blow Molded Case	Industrial Soldering Gun Kit	300 W / 200 W	120V	900-1100° F / 482-593° C	6 ft	D650 Industrial soldering gun, 1 standard soldering tip, Coil of lead free solder, Instruction booklet	5.00 lb

Replacement Tips for Soldering Guns



- Tips compatible with Weller® soldering guns
- All tips are made of copper

Cat. No.	UPC No.	Packaging	Description	Fits Gun(s)	Tip Type	Product Weight
6110	09337103475567	Bag	Tip with Hex Nut	8200(PK)	Cutting	0.25 lb
6150	037103480415	Bag	Tip Only	8200(PK) / D550(PK)	Cutting	0.20 lb
6120	037103475572	Bag	Tip with Hex Nut	8200(PK)	Smoothing	0.25 lb
6160	037103480422	Bag	Tip Only	8200(PK) / D550(PK)	Smoothing	0.21 lb
7135W	037103475657	Bag	Tip Only-2 per Bag	8200(PK)	Standard	0.22 lb
7235	037103478818	Bag	Tip Only-2 per Bag	7200PK	Standard	0.22 lb
7250W	037103475718	Bag	Tip Only-2 per Bag	D550(PK)	Standard	0.21 lb
7250N	037103475725	Bag	Tip with Hex Nut	D550(PK)	Standard	0.60 lb
8125W	037103475824	Bag	Tip Only-2 per Bag	8200(PK)	Iron plated	0.18 lb
8125N	037103475831	Bag	Tip with Hex Nut	8200(PK)	Iron plated	0.25 lb
RCT	037103590237	Bag	Tip Only	8200(PK) / D550(PK)	Rope cutting	0.16 lb

Solid State Soldering Gun



- Temperature controlled with fast 6-second heat up
- Lightweight 7 oz./198 g
- Slim long reach barrel
- Interchangeable power heads give choice of 600° F/315° C or 700° F/370° C
- UL and cUL listed

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Cord Length	Product Weight
GT7A	037103473202	Box	Solid State Soldering Gun, 700° F	150 W	120V	600-700° F / 315-371° C	6 ft	0.80 lb

Solid State Soldering Gun Power Heads



- Slim long reach barrel
- Interchangeable power heads give choice of 600° F/315° C or 700° F/370° C
- UL and cUL listed

Cat. No.	UPC No.	Packaging	Description	Fits Gun(s)	Tip Type	Product Weight
6B	037103472830	Carded	Power Head, 1/8" Cone, 600° F	GT7A	Cone	0.18 lb
7A	037103473196	Carded	Power Head, 3/16" Chisel, 700° F	GT7A	Chisel	0.15 lb

Pro Series High Performance Soldering Iron



- Heats up to working temperatures in just 35 seconds
- Patented design has performance equal to a 60 watt iron
- Red power-on LED changes to green when iron reaches working temperature
- LED work light illuminates working surface in low-light conditions
- Co-molded grip for a comfortable feel
- Designed to be self-standing: no stand is needed
- Tips use a modular jack and plug for easy tip exchange
- Ideal for hobbies, kits, radios, electrical, and electronics
- UL and cUL listed

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Product Weight
WPS18MP	037103227348	Carded	Pro Series Lighted Soldering Iron	18 W	12V	925° F / 496° C	0.95 lb

Soldering Replacement Tips for Pro Series Iron



WPS10

WPS11

- Heater is contained in the tip for super-fast heat up
- Copper tip with long-life iron plating
- Nickel-chrome plating over the copper to prevent oxidation
- Iron plated working end is factory pre-tinned with lead free solder
- Modular jack plugs in to the body of the soldering tool quickly and easily

Cat. No.	UPC No.	Packaging	Description	Tip Type	Product Weight
WPS10	037103227355	Carded	Conical Replacement Tip for WPS18MP	Conical	0.02 lb
WPS11	037103227362	Carded	Chisel Replacement Tip for WPS18MP	Chisel	0.02 lb

Marksman® Mini Iron (12 Watt)



- Fine quality consumer mini iron
- 7"/178mm long
- Lightweight and pencil thin
- Ideal for fine soldering and hobby work such as electronic kits, model railways and jewelry making
- Replaceable nickel-plated copper tip
- Stainless steel barrel
- Heat and impact resistant
- UL Listed

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Product Weight
SP12	037103479716	Carded	Marksman® Mini Soldering Iron	12 W	120V	700° F / 371° C	0.50 lb

LED Soldering Iron (15 Watt)



- High Performance Soldering Iron
- Application Illumination. Three 5mm high temperature long-life LEDs with tip focused beams at 25 Lumens/ft² drives superior visibility for maximum soldering accuracy
- Soft-Grip comfort handle. Co-molded soft grip ribbed handle design for maximum comfort and reduced slippage
- Ease of Tip Position and Tip Control. Triangular area for maximum of tip control. Round handle for ease of tip rotation
- Proven Heater Technology. High-Performance ceramic heater technology with heat up to 750°F
- Package Includes: Iron with S5 (2mm) tip, iron stand, user manual
- Applications: Micro Components, Electronic Kits, Low Voltage Wiring, Wire Connection 18 AWG (0.04" Dia.)
- Available Tips: Standard Tips - 0054311399 (2.0mm), 0054003499 (3.5mm), Long Life Tips - 0054321099 (0.4mm), 0054321199 (2.0mm)
- IMPORTANT: Use only Weller® tips

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Product Weight
SP15NUS	037103266842	Carded	LED Soldering Iron	15 W	120V	750° F / 400° C	0.32 lb

LED Soldering Iron (25 Watt)



- High Performance Soldering Iron
- Application Illumination. Three 5mm high temperature long-life LEDs with tip focused beams at 25 Lumens/ft² drives superior visibility for maximum soldering accuracy
- Soft-Grip comfort handle. Co-molded soft grip ribbed handle design for maximum comfort and reduced slippage
- Ease of Tip Position and Tip Control. Triangular area for maximum of tip control. Round handle for ease of tip rotation
- Proven Heater Technology. High-Performance ceramic heater technology with heat up to 750°F
- Package Includes: Iron with MT1 (3mm) tip, iron stand, user manual
- Applications: Printed Circuit Boards, Radio Controlled, Indoor Lighting, Wire Connection 12 AWG (0.08" Dia.)
- IMPORTANT: Use only Weller® tips

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Product Weight
SP25NUS	037103266880	Carded	LED Soldering Iron	25 W	120V	750° F / 400° C	0.32 lb

LED Soldering Iron Kit (25 Watt)



- High Performance Soldering Iron
- Application Illumination. Three 5mm high temperature long-life LEDs with tip focused beams at 25 Lumens/ft² drives superior visibility for maximum soldering accuracy
- Soft-Grip comfort handle. Co-molded soft grip ribbed handle design for maximum comfort and reduced slippage
- Ease of Tip Position and Tip Control. Triangular area for maximum of tip control. Round handle for ease of tip rotation
- Proven Heater Technology. High-Performance ceramic heater technology with heat up to 750°F
- Package Includes: Iron with MT1 (3mm) tip, iron stand, user manual, soldering aid tool, lead-free solder, spare MT2 and MT3 (3mm) tips
- Applications: Printed Circuit Boards, Radio Controlled, Indoor Lighting, Wire Connection 12 AWG (0.08" Dia.)
- IMPORTANT: Use only Weller® tips

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Contents	Product Weight
SP25NKUS	037103266873	Carded	LED Soldering Iron Kit	25 W	120V	750° F / 400° C	SP25NUS iron Nickle-plated copper tips: MT1, MT2, MT3 Lead-free solder and soldering aid tool Helpful hints and instructions	0.37 lb

LED Soldering Iron (40 Watt)



- High Performance Soldering Iron
- Application Illumination. Three 5mm high temperature long-life LEDs with tip focused beams at 25 Lumens/ft² drives superior visibility for maximum soldering accuracy
- Soft-Grip comfort handle. Co-molded soft grip ribbed handle design for maximum comfort and reduced slippage
- Ease of Tip Position and Tip Control. Triangular area for maximum of tip control. Round handle for ease of tip rotation
- Proven Heater Technology. High-Performance ceramic heater technology with heat up to 900°F
- Package Includes: Iron with MT10 (6mm) tip, iron stand, user manual
- Applications: Hobby Models, Small Appliance, Small Engine Repair, Crafts, Wire Connection 8 AWG (0.13" Dia.)
- IMPORTANT: Use only Weller® tips

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Product Weight
SP40NUS	037103266927	Carded	LED Soldering Iron	40 W	120V	900° F / 482° C	0.35 lb

LED Soldering Iron Kit (40 Watt)



- High Performance Soldering Iron
- Application Illumination. Three 5mm high temperature long-life LEDs with tip focused beams at 25 Lumens/ft² drives superior visibility for maximum soldering accuracy
- Soft-Grip comfort handle. Co-molded soft grip ribbed handle design for maximum comfort and reduced slippage
- Ease of Tip Position and Tip Control. Triangular area for maximum of tip control. Round handle for ease of tip rotation
- Proven Heater Technology. High-Performance ceramic heater technology with heat up to 900°F
- Package Includes: Iron with MT10 (6mm) tip, iron stand, user manual, soldering aid tool, lead-free solder, spare ST3 (3.2mm) and ST7 (0.8mm) tips
- Applications: Hobby Models, Small Appliance, Small Engine Repair, Crafts, Wire Connection 8 AWG (0.13" Dia.)
- IMPORTANT: Use only Weller® tips

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Contents	Product Weight
SP40NKUS	037103266910	Carded	LED Soldering Iron Kit	40 W	120V	900° F / 482° C	SP40NUS iron Tips: MT10, ST3, ST7 Lead-free solder Soldering aid tool	0.43 lb

LED Soldering Iron (80 Watt)



- High Performance Soldering Iron
- Application Illumination. Three 5mm high temperature long-life LEDs with tip focused beams at 25 Lumens/ft² drives superior visibility for maximum soldering accuracy
- Soft-Grip comfort handle. Co-molded soft grip ribbed handle design for maximum comfort and reduced slippage
- Ease of Tip Position and Tip Control. Triangular area for maximum of tip control. Round handle for ease of tip rotation
- Proven Heater Technology. High-Performance ceramic heater technology with heat up to 900°F
- Package Includes: Iron with MT620 (10mm) tip, iron stand, user manual
- Applications: Audio Systems, Electrical Grounding, Automotive, Marine, Jewelry, Wire Connection 4 AWG (0.20" Dia.)
- IMPORTANT: Use only Weller® tips

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Product Weight
SP80NUS	037103266941	Carded	LED Soldering Iron	80 W	120V	900° F / 482° C	0.47 lb

Marksman® Iron (120 Watt)



- Fine quality, heavy-duty iron
- 11-3/8"/289mm long
- Ideal for home workshop, repairs, stained glass and hobbies
- Soldering iron rest included
- Includes MTG30 1/2"/13mm diameter replaceable iron-plated copper tip
- Stainless steel barrel and heat and impact resistant handle
- UL Listed

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Product Weight
SP120	037103474537	Carded	Marksman® Soldering Iron	120 W	120V	900° F / 482° C	0.90 lb

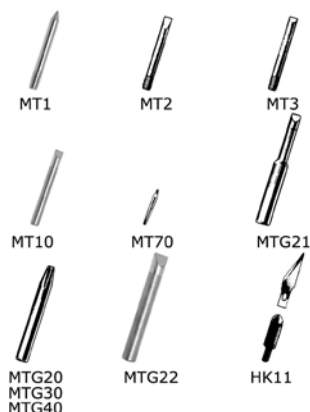
Marksman® Iron (175 Watt)



- Fine quality, heavy-duty iron
- 12-1/2"/318mm long
- Extra heavy duty for demanding jobs like sheet metal work
- Soldering iron rest included
- Includes MTG40 5/8"/16mm diameter replaceable iron-plated copper tip
- Stainless steel barrel and heat and impact resistant handle
- UL Listed

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Product Weight
SP175	037103474674	Carded	Marksman® Soldering Iron	175 W	120V	900° F / 482° C	1.33 lb

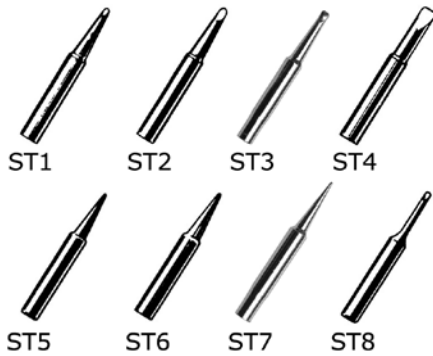
Soldering Iron Series Replacement Tips



- Soldering Iron replacement tips
- Nickel-plated copper tips are available in a variety of styles
- MTG series tips are iron-plated for heavy-duty soldering irons
- Hanging bag for point-of-purchase display

Cat. No.	UPC No.	Packaging	Description	Fits Iron(s)	Tip Type	Tip Size	Product Weight
MT1B	037103009906	Bag	Tip-10/Bag	SP25NUS / SP25NKUS	Cone	1/8"	0.01 lb
MT70	037103479808	Bag	Tip-2/Bag	SP12	Cone	1/8"	0.02 lb
MT1	037103472175	Bag	Tip-2/Bag	SP25NUS / SP25NKUS	Cone	1/8"	0.02 lb
MT2	09337103472412	Bag	Tip-2/Bag	SP25NUS / SP25NKUS	Screwdriver	1/8"	0.02 lb
MT3	037103472502	Bag	Tip-2/Bag	SP25NUS / SP25NKUS	Chisel	1/8"	0.02 lb
HK11	037103473622	Bag	Tip, Blade & Chuck-1/Bag	SP25NUS / SP25NKUS	Hot Knife	1/8"	0.03 lb
MT10	09337103473617	Bag	Tip-2/Bag	SP40NUS	Chisel	1/4"	0.04 lb
MTG20	037103476593	Bag	Tip-1/Bag	SP80NUS / WLC200	Chisel	3/8"	0.05 lb
MTG21	037103476609	Bag	Tip-1/Bag	SP80NUS / WLC200	Chisel	1/4"	0.05 lb
MTG22	037103479822	Bag	Tip, Glass Bead-1/Bag	SP80NUS / WLC200	Cone	3/8"	0.10 lb
MTG30	037103477903	Bag	Tip-1/Bag	SP120	Chisel	1/2"	0.12 lb
MTG40	037103478672	Bag	Tip-1/Bag	SP175	Chisel	5/8"	0.22 lb

"ST" Series Tips



- Precision ground copper tips are plated with iron, nickel and chromium
- Tips compatible with SP40NUS, SP40NKUS irons and WLC100 station
- Tips are individually bagged and packed 10 per box

Cat. No.	UPC No.	Packaging	Fits Iron(s)	Tip Type	Tip Size	Reach	Product Weight
ST1	037103472212	Bag	SP40N/WP25/WP30/WP35	Screwdriver	1/16"	3/4"	0.02 lb
ST2	037103472434	Bag	SP40N/WP25/WP30/WP35	Screwdriver	3/32"	3/4"	0.02 lb
ST3	037103472519	Bag	SP40N/WP25/WP30/WP35	Screwdriver	1/4"	3/4"	0.02 lb
ST4	037103472601	Bag	SP40N/WP25/WP30/WP35	Screwdriver	3/16"	3/4"	0.03 lb
ST5	037103472809	Bag	SP40N/WP25/WP30/WP35	Single Flat	1/32"	3/4"	0.03 lb
ST6	037103473189	Bag	SP40N/WP25/WP30/WP35	Screwdriver	1/32"	3/4"	0.03 lb
ST7	037103473394	Bag	SP40N/WP25/WP30/WP35	Conical	1/32"	3/4"	0.02 lb
ST8	037103473578	Bag	SP40N/WP25/WP30/WP35	Narrow Screwdriver	1/16"	3/4"	0.03 lb

Therma-Boost Heat Tool



- Therma-Boost trigger gives you added burst of power when you need it
- 2 lights on the back of tool indicate standard or Therma-Boost modes
- Heats up to working temperature in just 45 seconds
- For continuous use. Therma-Boost mode can be used intermittently
- Ultra-lightweight
- Tips are for soldering, rope and foam cutting, smoothing and scoring
- Tip changes are fast and easy
- For a wide variety of jobs including soldering, cutting, smoothing, and shaping
- UL and cUL listed

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Contents	Product Weight
TB100PK	037103211330	Clamshell	Therma-Boost Heat Tool	130 W / 30 W	120V	850-950° F / 454-510° C	Heat Tool w/Stand 6 multi-use tips Instructions	0.63 lb

Therma-Boost Heat Tool Tip Kit



- Tips are for soldering, rope and foam cutting, smoothing and scoring
- Tip changes are fast and easy
- Kit Contains:
 - Conical soldering tip
 - Rope cutting tip
 - Smoothing tip
 - Foam cutting tip
 - Scoring tip

Cat. No.	UPC No.	Packaging	Description	Fits Gun(s)	Product Weight
TB5TK	037103213655	Carded	Therma-Boost Heat Tool Tip Kit	TB100PK	0.07 lb

Battery Powered Soldering Iron Kit



- Light duty (4.5 Watt) battery powered cordless soldering iron kit
- Single power 900°F temperature switch
- 30-second heat-up time
- Up to 120 solder joints with new batteries
- New switch with safety cap detent - no push button
- Power-on red LED indicator
- Auto shut-off with safety cap attached
- Cordless for ultimate portability
- Long-lasting iron plated conical shaped tip
- Modular jack plug-in style tip for easy removal and exchange

Cat. No.	UPC No.	Packaging	Description	Wattage	Temperature Range	Contents	Product Weight
BP650MP	037103274434	Clamshell	Battery Powered Soldering Iron with Batteries	4.5 W	900° F / 482° C	Iron, BP1 conical tip, 3 AA batteries, lead free solder, tip wrench and user manual	0.41 lb
BP650NB	037103274458	Clamshell	Battery Powered Soldering Iron w/o Batteries	4.5 W	900° F / 482° C	Iron, BP1 conical tip, lead free solder, tip wrench and user manual	0.25 lb

Replacement Soldering Tip for BP650MP Soldering Iron



- Heater is contained in the tip for super-fast heat up
- Copper tip with long-life iron plating
- Nickel-chrome plating over the copper to prevent oxidation
- Iron plated working end is factory pre-tinned with lead free solder
- Modular jack plugs into the body of the soldering tool quickly and easily

Cat. No.	UPC No.	Packaging	Description	Fits Iron(s)	Tip Type	Product Weight
BP1	037103216830	Carded	Replacement Soldering Tip	BP650MP	Conical	0.02 lb

Pro Series Battery Powered Soldering Iron Kit



- Light duty (6-8 Watt) battery powered cordless soldering iron kit
- Dual-powered 800°F-900°F temperature switching
- 30-second heat-up time
- Up to 180 solder joints with new batteries
- New switch with safety cap detent - no push button
- Co-mold soft grip handle
- LED application illumination and power-on red LED indicator
- Auto shut-off with safety cap attached
- Long-lasting iron plated conical shaped tip
- Modular jack plug-in style tip for easy removal and exchange

Cat. No.	UPC No.	Packaging	Description	Wattage	Temperature Range	Contents	Product Weight
BP865MP	037103274441	Clamshell	Pro Series Battery Powered Soldering Iron	6-8 W	800-900° F / 427-482° C	Iron, BP10 conical tip, 4 AA batteries, lead free solder, tip wrench and user manual	0.50 lb

Replacement Soldering Tips for BP865MP Soldering Iron



- Heater is contained in the tip for super-fast heat up
- Copper tip with long-life iron plating
- Nickel-chrome plating over the copper to prevent oxidation
- Iron plated working end is factory pre-tinned with lead free solder
- Modular jack plugs into the body of the soldering tool quickly and easily

Cat. No.	UPC No.	Packaging	Description	Fits Iron(s)	Tip Type	Product Weight
BP10	037103221544	Carded	Replacement Soldering Tip	BP865MP	Conical	0.02 lb
BP11	037103221568	Carded	Replacement Soldering Tip	BP865MP	Chisel	0.02 lb

Butane Mini Soldering Iron with Piezo Ignition



- Piezo electronic ignition system for reliable ignition every time
- Adjustable gas flow valve controls temperature range
- Up to 30 minutes continuous use on medium setting
- Refillable with Weller WB1 or WB2 filtered butane
- Also operates as a mini-torch when the tip is removed
- Window allows you too see fuel level
- Base allows tool to stand for hands free operation
- Safety cap can be replaced on tool for secure storage
- Use for soldering, heat shrink tubing, electrical, and electronics

Cat. No.	UPC No.	Packaging	Description	Temperature Range	Product Weight
ML500MP	037103220912	Clamshell	Butane Mini Soldering Iron	750-900° F / 400-482° C	0.22 lb

Replacement Soldering Tips for ML5005MP Soldering Iron



- Available in conical, chisel and knife styles
- Knife style used for cutting rope, foam, wax, stencils, etc.

Cat. No.	UPC No.	Packaging	Description	Fits Iron(s)	Tip Type	Tip Size	Product Weight
ML501	037103220929	Carded	Replacement Soldering Tip for ML5005MP	ML500MP	Conical	0.06 in (1.6mm)	0.03 lb
ML502	037103220936	Carded	Replacement Soldering Tip for ML5005MP	ML500MP	Chisel	0.09 in (2.4mm)	0.03 lb
ML503	037103220905	Carded	Replacement Soldering Tip for ML5005MP	ML500MP	Hot Knife	-	0.02 lb

Portasol® Professional Self-Igniting Tool and Kit



- ESD safe to protect sensitive components
- A lightweight, compact cordless butane soldering and hot air tool
- Piezo ignition with push-button ease and convenience - adjusts from 25 watts to 75 watts
- Fast heat-up for high productivity, melts solder in less than 40 seconds
- Gas capacity allows up to one hour of continuous use
- Refills in less than 20 seconds so you can stay on the job
- Automatic cut-off switch when cap replaced for safety
- Can be used as a mini-torch with flame tip
- Refills with butane fuel - Weller® cat no. WB1 or WB2

Cat. No.	UPC No.	Packaging	Description	Wattage	Temperature Range	Contents	Product Weight
P2C	037103169389	Carded	Professional Self-igniting Cordless Butane Soldering Iron	25-75 W	850° F / 454° C	-	0.25 lb
P2KC	037103169372	Storage Case	Professional Self-igniting Cordless Butane Soldering Iron Kit	25-75 W	1075° F / 580° C	P2C iron with soldering tip, mini blow torch tip, hot knife tip and deflector, sponge and tray, storage case with tool holder and instructions	0.31 lb

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Portasol® Super-Pro Self-Igniting Tool and Kit

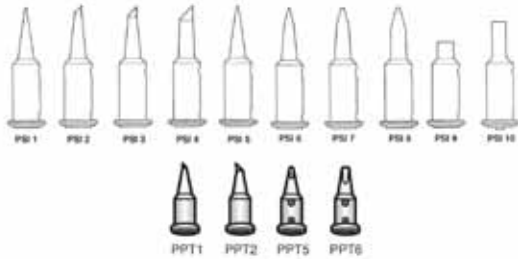


- Self-igniting portable butane heat tool - professional quality
- Ideal for service technicians for such uses as anti-static soldering, heat shrink and cutting rope
- For such uses as anti-static soldering, heat shrink and cutting rope
- Features "Auto Switch" safety shut-off, and iron plated tips
- Butane fuel level is visible through a window on the body of the tool
- Rugged stainless-steel body provides up to 125 watts of power
- Provides up to 125 watts of power
- Adjustable temperature up to 1,076° F
- Operates up to 2 hours per refill
- Refills with butane fuel - Weller® cat no. WB1 or WB2

Cat. No.	UPC No.	Packaging	Description	Wattage	Temperature Range	Contents	Product Weight
PSI100C	037103127174	Box	Super-Pro Self-igniting Cordless Butane Soldering Iron	125 W	1076° F / 580° C	-	0.40 lb
PSI100K	037103060976	Storage Case	Super-Pro Self-igniting Cordless Butane Soldering Iron Kit	125 W	1076° F / 580° C	PSI100C iron with PSI1 tip, PSI3 tip, PSI9 tip, PSI10 tip, sponge, storage case	0.47 lb

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Tips for Weller®/Portasol® Cordless Butane Soldering Irons



Cat. No.	UPC No.	Packaging	Fits Iron(s)	Tip Type	Tip Size	Product Weight
PPT1	037103183620	Bag	P2C / P2KC	Single Flat	1/32" / 1.0 mm	0.01 lb
PSI1	037103062666	Carded	PSI100	Single Flat	1/32" / 1.0 mm	0.01 lb
PSI2	037103062659	Carded	PSI100	Single Flat	3/32" / 2.4 mm	0.03 lb
PSI3	037103062628	Carded	PSI100	Single Flat	1/8" / 3.2 mm	0.03 lb
PSI4	037103062635	Carded	PSI100	Single Flat	3/16" / 4.8 mm	0.03 lb
PSI5	037103062604	Carded	PSI100	Single Flat	1/32" / 1.0 mm	0.03 lb
PSI6	037103062611	Carded	PSI100	Double Flat	3/32" / 2.4 mm	0.05 lb
PSI7	037103062581	Carded	PSI100	Double Flat	1/8" / 3.2 mm	0.03 lb
PSI8	037103062598	Carded	PSI100	Double Flat	3/16" / 4.8 mm	0.03 lb
PSI9	037103060983	Carded	PSI100	Hot Blower	-	0.02 lb
PSI10	037103060990	Carded	PSI100	Hot Knife	-	0.02 lb

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Magna-Lite Butane Micro Torch



- Piezo electronic ignition system for reliable ignition every time
- LED light illuminates work in dark conditions
- Adjustable flame height
- Refillable with Weller WB1 or WB2 filtered butane
- Nozzle cover prevents accidental ignition
- Key ring lanyard
- For heat shrink tubing, fusing rope ends, frozen locks, camping
- Also for labs, and boating

Cat. No.	UPC No.	Packaging	Description	Temperature Range	Product Weight
ML100	037103212559	Clamshell	Magna-Lite Butane Micro Torch	2400° F / 1315° C	0.08 lb

Magna-Lite Butane Table Top Torch



- Piezo electronic ignition system for reliable ignition every time
- Adjustable flame height
- Up to 60 minutes continuous use controls flame temperature up to 2,400° F
- Child safety lock meets CPSC guidelines
- Refillable with Weller WB1 or WB2 filtered butane
- For heat shrink tubing, fusing rope ends, frozen locks, camping
- Also for first aid, labs, and boating

Cat. No.	UPC No.	Packaging	Description	Temperature Range	Product Weight
ML200	037103212290	Clamshell	Magna-Lite Butane Table Top Torch	2400° F / 1315° C	0.26 lb

Premium Butane Fuel



- Premium quality butane fuel will not clog
- Compatible with Weller® Portasol®, Weller® Pyropen®, and Weller® Magna-Lite tools
- Printed in English and Spanish with operating instructions on back of can

Cat. No.	UPC No.	Packaging	Description	Product Weight
WB1	037103060921	Box of 12	Premium Butane Fuel, 2.1 oz.	0.22 lb
WB2	037103126917	Box of 12	Premium Butane Fuel, 1.0 oz.	0.15 lb

Portasol® is a registered trademark of Olgesby and Butler Limited

8 Pc. 25 Watt Short Barrel Hobby Iron Kit



- Fine quality consumer mini iron
- Featherweight iron with pencil handle
- Develops 900°F/482°C temperature
- Stainless steel barrel, heat and impact resistant handle
- Ideal for wood burning, hobbies and crafts
- Also ideal for jewelry, model railroads, and micro electronics
- UL listed

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Contents	Product Weight
WSB25HK	037103200655	Clamshell	8 Pc. Short Barrel Hobby Iron Kit	25W	120V	900° F / 482° C	Tips included: Pattern transfer, shading, universal, groove, calligraphy, stencil cutting, hot knife blade and chuck, dot, 3 branding tips	0.40 lb

15 Pc. 25 Watt Short Barrel Wood Burning Kit



- Fine quality consumer mini iron
- Featherweight iron with pencil handle
- Develops 900°F/480°C temperature
- Stainless steel barrel, heat and impact resistant handle
- Ideal for wood burning, hobbies and crafts
- Also ideal for jewelry, model railroads, and micro electronics
- UL and cUL listed

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Product Weight
WSB25WB	037103205339	Clamshell	15 Pc. Short Barrel Wood Burning Kit	25W	120V	900° F / 480° C	0.88 lb

Marksman® Stained Glass Iron (80 Watts)



- Indicator light allows you to instantly see that the iron is on
- Can tackle the more intricate seams and repair old ones making it ideal for stained glass work
- Simple and safe to use
- Pre-tinned iron-plated coppers tips
- Helpful hints and instructions included
- UL listed

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Contents	Product Weight
SPG80L	037103169136	Carded	Lighted Stained Glass Soldering Iron	80W	120V	900° F / 482° C	SP80L Iron with rest MTG20 3/8"/10mm chisel tip, MTG21 1/4"/6mm chisel tip	0.65 lb

Professional Stained Glass Iron (100 Watts)



- Uses Weller "closed loop" method of controlling maximum tip temperature
- Portable line voltage iron - no base station required
- Stainless steel modular plug-in heater, greater efficiency and versatility
- Temperature is controlled by tip
- (600° F, 700° F, and 800° F tips)
- Nominal heat-up time with 700° F tip is 110 seconds
- Uses "CT" series tips
- Ideal for advanced stained glass work
- Helpful hints and instructions included
- UL and cUL listed

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Contents	Product Weight
W100PG	037103474261	Clamshell	Heavy-duty Stained Glass Soldering Iron	100W	120V	600° F / 315° C - 800° F / 427° C	W100PG Iron with rest CT6F7 3/8"/10mm screwdriver tip	0.15 lb

"CT" Series Tips



- Precision ground copper tips are plated with iron, nickel and chromium
- Tips compatible with W100PG iron
- Individually bagged

Cat. No.	UPC No.	Packaging	Description	Fits Iron(s)	Tip Type	Temperature Range	Tip Size	Reach	Product Weight
CT6C6	037103472847	Bag	600°F Tip	W100PG	Screwdriver	600° F / 315° C	1/8"	1-3/8"	0.09 lb
CT6C7	037103472854	Bag	700°F Tip	W100PG	Screwdriver	700° F / 371° C	1/8"	1-3/8"	0.09 lb
CT6C8	037103472861	Bag	800°F Tip	W100PG	Screwdriver	800° F / 427° C	1/8"	1-3/8"	0.09 lb
CT6D6	037103472878	Bag	600°F Tip	W100PG	Screwdriver	600° F / 315° C	3/16"	1-3/8"	0.10 lb
CT6D7	037103472885	Bag	700°F Tip	W100PG	Screwdriver	700° F / 371° C	3/16"	1-3/8"	0.10 lb
CT6D8	037103472892	Bag	800°F Tip	W100PG	Screwdriver	800° F / 427° C	3/16"	1-3/8"	0.10 lb
CT6E6	037103472908	Bag	600°F Tip	W100PG	Screwdriver	600° F / 315° C	1/4"	1-3/8"	0.10 lb
CT6E7	037103472915	Bag	700°F Tip	W100PG	Screwdriver	700° F / 371° C	1/4"	1-3/8"	0.10 lb
CT6E8	037103472922	Bag	800°F Tip	W100PG	Screwdriver	800° F / 427° C	1/4"	1-3/8"	0.10 lb
CT6F6	037103472939	Bag	600°F Tip	W100PG	Screwdriver	600° F / 315° C	3/8"	1-3/8"	0.15 lb
CT6F7	037103472946	Bag	700°F Tip	W100PG	Screwdriver	700° F / 371° C	3/8"	1-3/8"	0.15 lb
CT6F8	037103472953	Bag	800°F Tip	W100PG	Screwdriver	800° F / 427° C	3/8"	1-3/8"	0.15 lb
CT6F9	037103104427	Bag	900°F Tip	W100PG	Screwdriver	900° F / 482° C	3/8"	1-3/8"	0.15 lb
CT6G7	037103479815	Bag	700°F Tip	W100PG	Stained Glass	700° F / 371° C	-	-	0.10 lb

5-40 Watt Soldering Station



- On/off switch with "power-on" indicator light
- Variable power control produces 5-40 watts
- Quality lightweight pencil iron
- Cushioned foam grip with replaceable heating element
- Safety guard iron holder
- Natural sponge tip cleaning pad
- ST3 iron-plated copper tip
- Ideal for hobbyists, DIYers and students
- UL listed

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Product Weight
WLC100	037103059963	Box	Consumer Soldering Station	40W	120V	900° F / 482° C	2.00 lb

5-80 Watt Soldering Station



- On/off switch with "power-on" indicator light
- Variable power control produces 5-80 watts
- Quality lightweight stained glass iron
- Cushioned foam grip with replaceable heating element
- Safety guard iron holder
- Natural sponge tip cleaning pad
- 3/8" replaceable iron-plated tip
- Operates with MTG20, MTG21, MTG22 tips
- UL listed

Cat. No.	UPC No.	Packaging	Description	Wattage	Voltage	Temperature Range	Product Weight
WLC200	037103085030	Box	Stained Glass Soldering Station	80W	120V	900° F / 482° C	2.10 lb

Marksman® Series MTG Tips



- Soldering Iron replacement tips
- Nickel-plated copper tips are available in a variety of styles
- MTG series tips are iron-plated for heavy-duty soldering irons
- Hanging bag for point-of-purchase display

Cat. No.	UPC No.	Packaging	Description	Fits Iron(s)	Tip Type	Tip Size	Product Weight
MTG20	037103476593	Bag	Tip-1/Bag	SP80NUS / WLC200	Chisel	3/8"	0.05 lb
MTG21	037103476609	Bag	Tip-1/Bag	SP80NUS / WLC200	Chisel	1/4"	0.05 lb
MTG22	037103479822	Bag	Tip, Glass Bead-1/Bag	SP80NUS / WLC200	Cone	3/8"	0.10 lb



The best snips, with the best cutting edge... Proudly cast, machined and assembled in the USA.

There are good reasons Wiss snips outsell and outperform the competition. For the past 75 years, they have consistently cut better and lasted longer.

Put two snips side by side and look at the blades. The precision ground serrations of the Wiss snip stand proudly off the cutting edge. You might have to look harder to see the competition's, real hard after they've been on the job for a while. The Wiss serrations make the difference when you are looking for a cleaner cut and longer lasting blade.



See the full line at
wisstool.com

Wiss®

A leader in dependable
cutting tools to help
the professional get the
job done since 1848

- Aviation & Tinner Snips
- HVAC Tools
- Scissors & Shears
- Utility Knives

Wiss®

Wiss® products have been earning their reputation for craftsmanship and long life since 1848. One result: Wiss has been the market leading "call-out brand" for aviation snips for over 50 years. The wide product line includes scissors, industrial shears, utility knives, siding and HVAC tools... all with famous Wiss quality built in.



Aviation Snips

PRECISION, PERFORMANCE, DURABILITY



- **Free-Floating Active Pivot Bolt** is the backbone of the snip and keeps the jaws positioned together tightly
- **Valve-Grade Steel Return Spring** provides trouble-free cutting and superior durability (even in extreme testing)
- **Proprietary Serration Wave Geometry** from consistent metallurgical composition of cast blades, provides more aggressive shearing action and longer blade life
- **Non-Slip, Textured Grips** allow for superior control, safety, and comfort
- **Grip Horns** maximize control and safety
- **Machined Tip** for puncturing



SNIPS SELECTION CHART

UPC No.	Wiss® M1R, M2R, M3R, & M300	Wiss® M6R, M7R	Wiss® M4R	Wiss® Tinner's Snips A & V Series	Wiss® MPC3	Wiss® M5R	Wiss® Special Series M1RS1 & M2RS1	Wiss® Industrial Snips W Series
Do-it-yourselfer	•	•	•	•	•			•
Roofer	•	•		•				•
Automotive	•	•		•			•	•
Drywalls	•	•						•
Plumber	•	•		•				•
HVAC	•	•	•	•		•	•	•
Electrician	•	•		•				•
Industrial/MRO	•	•		•	•			•
WISS® SNIPS FOR SPECIAL JOBS								
Notching & Nibbling Heavy Stock						•		•
Cutting Curves	•	•					•	•
Double Cut Snips			•					
Cutting Titanium Inconel, Inconel X, & Stainless Steel								•

M1R Aviation Snips



- Left cut, cuts left from tight curves to straight
- Cuts low carbon cold rolled steel
- Non-slip serrated jaw of tough molybdenum steel holds material firmly and uniformly spreads cutting force across blade edge
- Withstands strain of cutting heavy stock
- Spring-action for fast, effortless feed
- Non-slip, textured grips and safety latch
- Red handles for ease of identification

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
M1R	037103580122	Carded	9-3/4 in	1-3/8 in	18 Gauge Low Carbon Steel	0.40 lb

M2R Aviation Snips



- Right cut, cuts right from tight curves to straight
- Cuts low carbon cold rolled steel
- Non-slip serrated jaw of tough molybdenum steel holds material firmly and uniformly spreads cutting force across blade edge
- Withstands strain of cutting heavy stock
- Spring-action for fast, effortless feed
- Non-slip, textured grips and safety latch
- Green handles for ease of identification

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
M2R	037103580184	Carded	9-3/4 in	1-3/8 in	18 Gauge Low Carbon Steel	0.40 lb

M3R Aviation Snips



- Straight cut, cuts straight and slight curves
- Cuts low carbon cold rolled steel
- Non-slip serrated jaw of tough molybdenum steel holds material firmly and uniformly spreads cutting force across blade edge
- Withstands strain of cutting heavy stock
- Spring-action for fast, effortless feed
- Non-slip, textured grips and safety latch
- Yellow handles for ease of identification

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
M3R	037103580214	Carded	9-3/4 in	1-1/2 in	18 Gauge Low Carbon Steel	0.90 lb

M1RS1 Special Series Aviation Snips



- Cuts left and straight
- Non-slip serrated jaw of tough molybdenum steel holds material firmly and uniformly spreads cutting force across blade edge
- Jaws specially hardened to cut metals such as stainless steel, inconel, and titanium
- Withstands strain of cutting heavy stock and tight curves
- Non-slip, textured grips and safety latch for superior control

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
M1RS1	037103580139	Carded	9-3/4 in	1-3/8 in	18 Gauge Stainless Steel	0.90 lb

M2RS1 Special Series Aviation Snips



- Cuts right and straight
- Non-slip serrated jaw of tough molybdenum steel holds material firmly and uniformly spreads cutting force across blade edge
- Jaws specially hardened to cut metals such as stainless steel, inconel, and titanium
- Withstands strain of cutting heavy stock and tight curves
- Non-slip, textured grips and safety latch for superior control

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
M2RS1	037103580191	Carded	9-3/4 in	1-3/8 in	18 Gauge Stainless Steel	0.90 lb

M5R Bulldog Aviation Snips



- For notching or trimming extra heavy stock
- Non-slip, serrated jaw made of tough molybdenum steel
- Withstands strain of cutting heavy stock and tight curves
- Spring-action for fast, effortless feed
- Handy hang-up hole
- Cuts low carbon cold rolled steel

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
M5R	037103580252	Carded	9-1/4 in	7/8 in	16 Gauge Low Carbon Steel	0.95 lb

M6R Offset Aviation Snips



- Cuts left and straight
- Offset blades keep hands clear of metal
- Non-slip serrated jaw of molybdenum steel for compound lever action
- Withstands strain of cutting heavy stock and tight curves
- Spring-action for fast, effortless feed
- Handy hang-up hole
- Non-slip, textured grips and safety latch for superior control
- Cuts low carbon cold rolled steel

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
M6R	037103583376	Carded	9-1/4 in	1-1/4 in	18 Gauge Low Carbon Steel	0.40 lb

M7R Offset Aviation Snips



- Cuts right and straight
- Offset blades keep hands clear of metal
- Non-slip serrated jaw of molybdenum steel for compound lever action
- Withstands strain of cutting heavy stock and tight curves
- Spring-action for fast, effortless feed
- Handy hang-up hole
- Non-slip, textured grips and safety latch for superior control
- Cuts low carbon cold rolled steel

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
M7R	037103583383	Carded	9-1/4 in	1-1/4 in	18 Gauge Low Carbon Steel	0.40 lb

Repair Springs for Aviation Snips



- Replacement spring for the M1R, M3R, M5R, M6R, M8R, M10R (10 pk)

Cat. No.	UPC No.	Packaging	Description	Product Weight
P406	037103580924	Bagged	Replacement spring for the M1R, M3R, M5R, M6R, M8R, M10R (10 pk)	0.40 lb
P407	037103580931	Bagged	Replacement spring for the M2R, M7R, M9R (10 pk)	0.40 lb

M8R Vertical Aviation Snips



- Left cut, cuts left from tight curves to straight
- Vertical offset blades keep hands clear of material
- Ideal for increased reach in overhead projects or ground-level cutting
- Cuts low carbon cold rolled steel and other heavy gauge materials
- Non-slip serrated jaw blades help grip material to minimize slip
- Spring-action for fast, effortless feed
- Safety latch aids in tool storage and secures tool when not in use
- Handy hang-up hole

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
M8R	037103224552	Carded	10-7/8 in	1-3/4 in	22 Gauge Low Carbon Steel	1.03 lb

M9R Vertical Aviation Snips



- Right cut, cuts right from tight curves to straight
- Vertical offset blades keep hands clear of material
- Ideal for increased reach in overhead projects or ground-level cutting
- Cuts low carbon cold rolled steel and other heavy gauge materials
- Non-slip serrated jaw blades help grip material to minimize slip
- Spring-action for fast, effortless feed
- Safety latch aids in tool storage and secures tool when not in use
- Handy hang-up hole

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
M9R	037103224576	Carded	10-7/8 in	1-3/4 in	22 Gauge Low Carbon Steel	1.03 lb

M4R Pipe & Duct Cutting Snips



- Cuts any shape ducts, seams, sheet metal stock, vinyl tiles and plastic laminates
- Jaw action automatically adjusts blade clearance for squarer, cleaner cuts
- Spring-action for fast, effortless feed
- Non-slip, textured grips and safety latch

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
M4R	037103240989	Carded	9-1/4 in	9/16 in	20 Gauge Low Carbon Steel	0.95 lb

MPC3 Multipurpose Snips



- Cuts curves, straight or any combination
- Used for cutting screening, hardware cloth, shingles, tile gutters, downspouts, and carpeting
- Non-slip serrated jaw of tough molybdenum steel holds material firmly and uniformly spreads cutting force across blade edge
- Spring-action for fast, effortless feed
- Non-slip, textured grips and safety latch for superior control
- Designed for home craftsman
- Cuts low carbon cold rolled steel

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
MPC3	037103580221	Carded	9 in	1-3/8 in	20 Gauge Low Carbon Steel	0.74 lb

MPX All-Purpose Cutter



- 3" serrated blades provide longer cut than most tools
- Serrated blades grab hold and aggressively cuts through the material
- Compound action provides up to 5:1 power ratio for easy cutting
- Chrome-plated blades resist rust and corrosion
- Spring loaded for faster opening
- Non-slip textured cushion grips
- Small closed position handle design for smaller hands
- Cuts low carbon cold rolled steel

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
MPX	037103190635	Carded	10-1/2 in	3 in	N/A	0.95 lb

M300 Long Cut Aviation Snips



- Combines long cut of tinner's snips with the strength of compound action
- Compound action multiplies the cutting force
- Great for making long, fast cuts in sheet metal, aluminum, and much more
- Cuts up to 20 gauge low carbon steel
- Non-slip, textured grips and safety latch for superior control

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
M300	037103126481	Carded	10-1/2 in	3 in	20 Gauge Low Carbon Steel	0.98 lb

M400 Long Cut Offset Aviation Snips



- Offset blade helps keep material from hands
- Combines long cut of tinner snips with the strength of compound action
- Compound action design increases force for greater improved performance
- Longer blade length reduces cutting frequency for faster work
- Cuts up to 20 gauge low carbon cold rolled steel, aluminum and plastic
- Features non-slip, serrated jaws to help hold material during cutting
- Soft textured grips for comfort and safety when handling
- Handle latch to keep blades closed during storage or when not in use

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
M400	037103224606	Carded	12-1/8 in	3 in	20 Gauge Low Carbon Steel	1.05 lb

Straight Pattern Tinner's Snips



- Cuts straight and wide curves (when trimming light gauge stock)
- For plumbing, heating, air conditioning and roofing trades
- Blades individually hand edged for maximum cutting efficiency
- Flat face guides tool along straight line
- Blades of finest quality steel hot drop-forged for sharp edge, long life
- Rust resistant blades
- Cushion handle for comfort and better grip
- Cuts low carbon cold rolled steel

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
A13N	037103213907	Carded	7 in	1-3/4 in	24 Gauge Low Carbon Steel	0.54 lb
A12N	037103213914	Carded	8-1/4 in	2 in	24 Gauge Low Carbon Steel	1.05 lb
A11N	037103213921	Carded	9-3/4 in	2-1/4 in	24 Gauge Low Carbon Steel	1.54 lb
A10N	037103213891	Carded	11 in	2-1/2 in	22 Gauge Low Carbon Steel	1.65 lb
A9N	037103213938	Carded	12-1/2 in	3 in	20 Gauge Low Carbon Steel	2.21 lb

Duckbill Combination Pattern Snips



- Cuts moderately tight curves left, right or straight in light stock
- Popular with home craftsmen and professionals
- Blades individually hand edged for maximum cutting efficiency
- Blades of finest quality steel, hot drop-forged for sharp edge long life
- Rust resistant blades
- Cushion handle for comfort and better grip
- Cuts low carbon cold rolled steel

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
V10N	037103213945	Carded	10-1/4 in	2-1/4 in	24 Gauge Low Carbon Steel	1.10 lb
V19N	037103213990	Boxed	13 in	3 in	22 Gauge Low Carbon Steel	2.21 lb

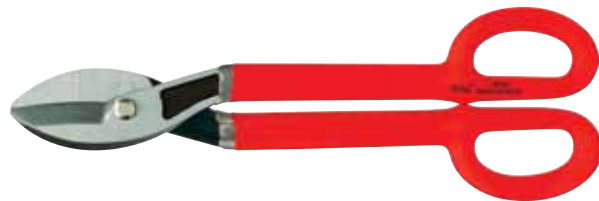
Straight Pattern



- Used for straight cuts and wide curves (when trimming light gauge stock)
- Blades individually hand edged for maximum cutting efficiency
- Flat face guides tool along straight line
- Blades of finest quality steel, hot drop-forged for sharp edge long life
- Rust resistant blades
- Cushion handle for comfort and better grip
- Cuts low carbon cold rolled steel

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
W7N	037103213969	Boxed	14-1/2 in	4 in	18 Gauge Low Carbon Steel	2.76 lb

Bulldog Pattern



- Industrial use
- Greater cutting power for notching, nibbling and chopping heavy stock
- Blades individually hand edged for maximum cutting efficiency
- Blades of finest quality steel, hot drop-forged for sharp edge long life
- Rust resistant blades
- Cushion handle for comfort and better grip
- Cuts low carbon cold rolled steel

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
W5N	037103213976	Boxed	16-1/2 in	2-1/2 in	16 Gauge Low Carbon Steel	3.67 lb

Offset/Bent Pattern



- Industrial use
- Offset blades keep hands clear of metal
- Blades individually hand edged for maximum cutting efficiency
- Blades of finest quality steel, hot drop-forged for sharp edge long life
- Rust resistance blades
- Cuts low carbon cold rolled steel

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
W7BWN	037103213983	Boxed	14-1/4 in	4 in	18 Gauge Low Carbon Steel	2.76 lb

12" Lightweight Aluminum Handle Snip



- 3" cut length
- Sleek head design reduces cutting effort by allowing easy flow of material while cutting
- Slim nose, ideal for making cuts in tight places and reaching tight corners
- Large, wide handle loops increase cutting leverage and comfortably fit all hand sizes, including gloved hands
- Strong & durable lightweight aluminum construction
- Easy and quick blade replacement

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
W12L	037103239983	Carded	12 in	3 in	22 Gauge Low Carbon Steel	1.00 lb

14" Lightweight Aluminum Handle Snip



- 3-1/4" cut length
- Sleek head design reduces cutting effort by allowing easy flow of material while cutting
- Large, wide handle loops increase cutting leverage and comfortably fit all hand sizes, including gloved hands
- Longer handle length and rounded head design improve cutting leverage
- Strong & durable lightweight aluminum construction
- Easy and quick blade replacement

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
W14L	037103239976	Carded	14 in	3-1/4 in	22 Gauge Low Carbon Steel	1.40 lb

Repair Blades for Lightweight Snips

- Replacement blades for W12L and W14L

Cat. No.	UPC No.	Packaging	Description	Product Weight
W12LRB	037103240965	Carded	12" Blade Replacement Kit for W12L	0.27 lb
W14LRB	037103240958	Carded	14" Blade Replacement Kit for W14L	0.35 lb

3-Blade Crimper



- Crimps male fitting end to connect guttering, downspouts or metal pipe
- Optimal handle span for maximum power and comfortable operating range
- Non-slip cushion grips for superior comfort and control



Cat. No.	UPC No.	Packaging	Throat Depth	Length	Product Weight
WC3S	037103239914	Carded	1-1/4 in	9-3/4 in	0.85 lb

5-Blade Crimper



- For crimping round metal pipe to create a male fitting end
- Crimps heavier gauge pipe up to 22 gauge galvanized steel
- Optimal handle span for maximum power and comfortable operating range
- Non-slip cushion grips for superior comfort and control

Cat. No.	UPC No.	Packaging	Throat Depth	Length	Product Weight
WC5L	037103239921	Carded	1-5/8 in	10 in	1.00 lb
WC5S	037103239891	Carded	1-1/4 in	9-3/4 in	0.95 lb

Hand Notcher



- Cuts 30 degree V shaped cut in sheet metal
- Gives clean notch without slipping at corners and take-off tabs
- Non-slip cushion grips for superior comfort and control

Cat. No.	UPC No.	Packaging	Throat Depth	Length	Product Weight
WHN1	037103239969	Carded	13/16 in	8-3/4 in	0.95 lb

Hand Seamer



- Used to bend and flatten sheet metal
- Optimal handle span for maximum power and comfortable operating range
- Non-slip cushion grips for superior comfort and control
- 3-1/4" jaw width and 1-1/4" maximum seam depth
- 1/4" depth markings

Cat. No.	UPC No.	Packaging	Jaw Capacity	Jaw Width	Length	Product Weight
WS3	037103240026	Carded	1/4 - 1 1/4	3-1/4 in	9-1/4 in	1.35 lb
WS6	037103239990	Carded	1/4 - 1 1/4	6 in	9-1/4 in	1.90 lb

Offset Hand Seamer



- Used to bend and flatten sheet metal
- Ideal for working in confined areas
- Optimal handle span for maximum power and comfortable operating range
- Non-slip cushion grips for superior comfort and control
- 3-1/4" jaw width and 1-1/4" maximum seam depth
- 1/4" depth markings

Cat. No.	UPC No.	Packaging	Jaw Width	Jaw Capacity	Length	Product Weight
WS4	037103240033	Carded	3-1/4 in	1/4 - 1 1/4	9 in	1.40 lb

Cable Tie Tensioning Tool



- Designed to install both heavy and light duty nylon cable ties
- For tightening nylon ties when securing flex duct to take-off collars
- Easy to operate cut-off mechanism that trims excess cable strap
- Comfortable cushion grip handles and internal stop

Cat. No.	UPC No.	Packaging	Cable Tie Width	Length	Product Weight
WT1	037103240019	Carded	3/8 and Thinner	7-1/2 in	0.90 lb

12" Folding Tool



- Commonly used for folding channels and making long uniform bends in sheet metal
- 3/8" and 1" depth folding channel to ensure proper depth alignment
- Constructed of heavy 16 gauge steel that keeps folding channels from widening and ensures precise and accurate bends
- Ideal for folding drive cleat channels with 3/8" depth to make longer, wider folds in register boots, end caps, plenums, etc.

Cat. No.	UPC No.	Packaging	Folding Channel Depths	Product Weight
WF12	037103239945	N/A	3/8 & 1	1.30 lb

18" Folding Tool



- Commonly used for folding channels and making long uniform bends in sheet metal
- 3/8" and 1" depth folding channel to ensure proper depth alignment
- Constructed of heavy 16 gauge steel that keeps folding channels from widening and ensures precise and accurate bends
- Ideal for making long, uniform folds

Cat. No.	UPC No.	Packaging	Folding Channel Depths	Product Weight
WF18	037103239952	N/A	3/8 & 1	2.00 lb

24" Folding Tool



- Commonly used for folding channels and making long uniform bends in sheet metal
- 3/8" and 1" depth folding channel to ensure proper depth alignment
- Constructed of heavy 16 gauge steel that keeps folding channels from widening and ensures precise and accurate bends
- Ideal for making long, uniform folds

Cat. No.	UPC No.	Packaging	Folding Channel Depths	Product Weight
WF24	037103239938	N/A	3/8 & 1	2.70 lb

Snap Lock Punch



- Forms tabs to secure vinyl siding or plastic skirting to finishing trim
- 3/8" throat
- Vinyl handle grips for added comfort

Cat. No.	UPC No.	Packaging	Product Weight
WSLP1	037103241016	Carded	0.70 lb

Trim Nail Punch



- Provides proper setting depth for nailing soffit, fascia, and trim
- Prevents denting surface
- Long nose allows easy access to 1/2" J channel
- Accommodates up to 1-1/4" standard trim
- Textured surface for better grip

Cat. No.	UPC No.	Packaging	Product Weight
WTNP1	037103241030	Carded	0.40 lb

Siding Removal Tool



- Innovative Dual Material handle for comfort and performance
- Includes reverse and offset scrapers
- Oil and solvent resistant

Cat. No.	UPC No.	Packaging	Product Weight
WSR1	037103241009	Carded	0.20 lb

Ratcheting Pipe Cutters



- Easy replaceable cutting wheel
- For use in ratchet pipe cutting tools
- Made from high-carbon chrome steel
- Cuts copper, brass, aluminum and thin-wall conduit material
- Installs easily with small standard screwdriver
- Two sizes to choose from in convenient 2-pack

Cat. No.	UPC No.	Packaging	Description	Product Weight
WRPCLG	037103222442	Carded	Wiss Ratchet Pipe Cutter, Large, cuts 5/16" - 1-1/8" Pipe Diameter	0.77 lb
WRPCMD	037103222435	Carded	Wiss Ratchet Pipe Cutter, Medium, cuts 1/4" - 7/8" Pipe Diameter	0.76 lb
WRPCSM	037103222428	Carded	Wiss Ratchet Pipe Cutter, Small, cuts 1/8" - 1/2" Pipe Diameter	0.40 lb
WRPCWH1	037103223654	Carded	Replacement Cutting Wheel for Small Ratcheting Pipe Cutter, 2 pk	0.02 lb
WRPCWH2	037103223661	Carded	Replacement Cutting Wheel for Med & Large Ratcheting Pipe Cutters, 2 pk	0.02 lb

Auto-Retracting Utility Knife



- Blade retracts automatically the moment it loses contact with the material being cut – even if the user is still holding the blade slider forward in the ‘open’ position
- Helps reduce workplace injuries, lowering lost time and increasing productivity
- Accepts all standard type utility knife blades
- Quick and easy blade change

Cat. No.	UPC No.	Packaging	Product Weight
WKAR1	037103240262	Carded	0.40 lb

Quick-Change Folding Blade Utility Knife



- Blade safely folds into handle for compact size and easy storage
- Quick blade change for easy and fast replacement
- Soft grip ergonomic handle design for increased comfort
- Accepts all standard type utility knife blades
- Includes bonus 10 pack of blades

Cat. No.	UPC No.	Packaging	Product Weight
WKF1	037103250841	Carded	0.55 lb

Quick-Change Comfort Grip Utility Knife



- Retractable utility knife with 11 positions
- Quick change blade release and reload
- Magazine blade storage holds 3 blades, not included
- Comfort grip for ease of use and slip protection
- Safety string cutter with recessed blade
- Warning: Sharp blade included, use care when handling

Cat. No.	UPC No.	Packaging	Product Weight
WK500V	037103209726	Carded	0.35 lb

Fixed Blade Knife



- DIY, professional and industrial uses
- Heavy-duty, fixed blade knife
- Uses all standard replacement utility blades
- Metal case painted red for easy visibility
- Knife comes with 3 blades

Cat. No.	UPC No.	Packaging	Product Weight
WK9V	037103151377	Carded	0.36 lb

Heavy-Duty Retractable Utility Knife



- DIY, professional and industrial uses
- Metal case painted red for easy visibility
- Features zinc die-cast construction for added durability
- Non-slip handle for added safety, four blade positions for versatility
- Uses standard utility knife blades
- Knife includes 3 blades

Cat. No.	UPC No.	Packaging	Product Weight
WK5V	037103151544	Carded	0.61 lb

Retractable Utility Knife



- DIY, professional and industrial uses
- Popular all-purpose retractable knife
- Easy-run slide uses all standard replacement blades
- Metal case painted red for easy visibility

Cat. No.	UPC No.	Packaging	Product Weight
WK8V	037103151407	Carded	0.38 lb

Utility Blades



- Wiss Utility Knife Blades are High Quality Steel
- Replacement Blades Fit most Utility Knives
- Heavy-Duty Blades with Sharp Points
- Cat. No. RWK18D Features Round Tips to Help Prevent Puncturing

Cat. No.	UPC No.	Packaging	Number of Blades	Product Weight
RWK14D	037103151773	Carded	100	0.97 lb
RWK14V	037103151445	Carded	5	0.02 lb
RWK16V	037103151414	Carded	5	0.06 lb
RWK18D	037103265326	Carded	100	0.96 lb

Home and Craft Scissors



- Strong, high quality stainless steel blades for corrosion resistance
- Adjustable pivot to change cutting tension for best feel
- Straight blades can be sharpened
- Hard plastic handles clean easily
- Lightweight

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
W812	037103211286	Carded	8-1/2 in	3-1/2 in	0.26 lb

2 Pc. Home, Craft, and Sew Scissor Set



- Strong, stainless steel blades for corrosion resistance
- Sharp points cut cleanly through the tip
- Long lasting, precision ground straight edges can be sharpened
- Adjustable pivot screw for best feel
- Soft touch handles for added comfort
- Lightweight

Cat. No.	UPC No.	Packaging	Product Weight
WHCS2	037103211316	Carded	0.44 lb

Shop Shears



- Strong, high quality stainless steel blades for corrosion resistance
- Serrated lower blade for better grip on materials being cut
- Cutting notch on lower blade for rope and twine
- Safety point
- Adjustable pivot to change cutting tension for best feel
- Hard plastic handles clean easily
- Lightweight

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
W912	037103211279	Carded	10 in	4-1/4 in	0.33 lb

Take-Apart Utility Scissors



- Strong, high quality stainless steel blades for corrosion resistance
- Take apart blades for easy clean
- Hard handles are dishwasher safe
- Lightweight

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
W8TA	037103211293	Carded	8 in	4 in	0.25 lb

Industrial Shears



- Professional dressmaker and industrial use
- Finest quality cutlery steel
- Hot drop-forged nickel-plated blades
- Patented SET-EASY® pivot
- Precision ground blades for sharper cutting edges & longer blade life

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
27N	037103223326	Boxed	7 in	2-3/4 in	0.30 lb
28N	037103223340	Boxed	8 in	3-3/8 in	0.45 lb
29N	037103223395	Boxed	9 in	4 in	0.45 lb
426N	037103223296	Carded	6-1/4 in	2-3/8 in	0.22 lb
427N	037103223333	Carded	7 in	2-3/4 in	0.30 lb
428N	037103223357	Carded	8 in	3-3/8 in	0.40 lb

Easy Snip Utility Shears



- Strong, high quality stainless steel blades for corrosion resistance
- Textured, molded handles for secure, comfortable grip
- Spring assist action minimizes fatigue
- Wire cutting notch in lower blade
- Thumb latch secures blades closed for storage
- Lightweight

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
WEZSNIP	037103211309	Carded	8-1/2 in	4 in	0.18 lb

Heavy Duty Industrial Shears



- Commonly used in cutting fabrics, upholstery, & composite materials
- Precision ground blades for sharper cutting edges & longer blade life
- Handle rings designed to comfortably fit users hands
- SET-EASY pivot adjustment easily & securely adjust to users preference
- Hot dropped forged nickel plated blades

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
W20	037103240132	Carded	10-3/8 in	4-3/4 in	0.88 lb
W20LH	037103240187	Carded	10-3/8 in	5 in	0.88 lb
W20P	037103240149	Carded	10-3/8 in	5 in	0.88 lb
W22N	037103240200	Carded	12-1/2 in	6 in	1.20 lb
W22P	037103240217	Carded	12-1/2 in	6 in	1.20 lb

Upholstery, Carpet, Drapery, and Fabric Shears



- Thick, heavy duty blades for cutting multiple layers & tough materials
- Ideal for cutting upholstery, carpet, and drapery
- Precision ground blades for sharper cutting edges and longer blade life
- Handle rings designed to comfortably fit users hands
- SET-EASY pivot adjustment easily & securely adjust to users preference
- Hot dropped forged nickel plated blades

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
W20W	037103240194	Carded	10-3/8 in	5 in	0.88 lb
W22W	037103240231	Carded	12-1/2 in	6 in	1.20 lb

Upholstery, Carpet, and Fabric Shears



- Ideal for cutting carpet, synthetic fibers & composite materials
- One blade ground to knife edge for faster, cleaner cutting
- Precision ground blades for sharper cutting edges & longer blade life
- Handle rings designed to comfortably fit users hands
- SET-EASY pivot adjustment easily and securely adjust to users preference
- Hot dropped forged nickel plated blades

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
W1225	037103240163	Carded	10-3/8 in	5 in	0.88 lb
W1226	037103240224	Carded	12-1/2 in	6 in	1.20 lb

High Leverage Industrial Shears



- Blade tips rounded for extra protection
- Precision ground blades for sharper cutting edges & longer blade life
- Handle rings designed to comfortably fit users hands
- Red cushion grip handles that give maximum comfort
- SET-EASY pivot adjustment easily & securely adjust to users preference
- Hot dropped forged nickel plated blades

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
W1225HLSP	037103240170	Carded	10-3/8 in	5 in	0.88 lb

Double Rounded Shears



- Blade tips rounded for extra protection
- Precision ground blades for sharper cutting edges & longer blade life
- Handle rings designed to comfortably fit users hands
- Hot dropped forged nickel plated blades

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
W20SP	037103240156	Carded	10-3/8 in	5 in	0.88 lb

Industrial Straight Trimmers



- Ideal for cutting various fabrics & upholstery
- Precision ground blades for sharper cutting edges & longer blade life
- Handle rings designed to comfortably fit users hands
- SET-EASY pivot adjustment easily & securely adjust to users preference
- Hot dropped forged nickel plated blades

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
37N	037103223302	Boxed	7 in	2-7/8 in	0.20 lb
38N	037103223364	Boxed	8-1/4 in	3-5/8 in	0.35 lb
438N	037103224200	Carded	8-1/4 in	3-5/8 in	0.40 lb
W30	037103240248	Carded	10-3/8 in	5 in	0.88 lb

Belt and Leather Cutting Scissors



- One blade is serrated and one blade edged
- Ideal for cutting leather & welt cord
- Handle rings designed to comfortably fit users hands
- SET-EASY pivot adjustment easily & securely adjust to users preference
- Hot dropped forged nickel plated blades

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
W8BLT	037103240255	Carded	8-1/2 in	3-3/8 in	0.75 lb

Pinking Shears



- Pinks and cuts in one operation, saving time and labor
- Sawtooth blade design reduces the time spent finishing edges on fabrics
- Cuts a wide range of fabrics and leaves a ruffled edge that will not fray

Cat. No.	UPC No.	Tool Length	Blade Length	Product Weight
CB8	037103255150	8-1/4 in	4-1/2 in	0.55 lb

Pocket Scissors



- Hot drop-forged solid steel
- Blades are a flat pattern with double blunts points
- Fully nickel plated
- Ring handle

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
166	037103580795	Boxed	6-1/4 in	2-3/4 in	0.20 lb

Sewing and Embroidery Scissors



- Specially designed for intricate cutting, embroidery and fine needlework
- Hot drop-forged and nickel-plated
- Ring handle
- Double sharp points
- Flat pattern
- Attractive vinyl package

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
764	037103581167	Carded	4-1/8 in	1-1/4 in	0.10 lb
765	037103581174	Carded	5-1/8 in	2 in	0.10 lb

Quick-Clip® Lightweight Speed Cutters



- Stainless steel replaceable blades
- Positive spring-action re-opens blades for fast cutting
- Heavy duty contour design
- 1570B comes with sharp points, 1571 with blunt points
- Industrial PVC plastic handle

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
1570B	037103581266	Boxed	4-3/4 in	1 in	0.05 lb
1571B	037103581273	Boxed	4-3/4 in	1 in	0.05 lb

Quick-Clip® Replacement Blades

- Stainless steel replaceable blades
- 9328 is Replacement Blades for 1570B
- 9329 is Replacement Blades for 1571B

Cat. No.	UPC No.	Packaging	Product Weight
9328	037103581808	Bagged	0.20 lb
9329	037103581815	Bagged	0.20 lb

Industrial Thread Nippers



- Quality hot drop-forged cutlery steel
- Self-opening spring-action assures fast, effortless cutting
- Fully nickel-plated
- Blunt points
- TC1 with Sharp Points
- TC5 with Blunt Points

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
TC1	037103580153	Bagged	4-3/4 in	1-1/8 in	0.13 lb
TC5	037103580276	Bagged	4-5/8 in	1 in	0.13 lb

Industrial Shears



- Used extensively in the poultry industry
- Forged from high carbon steel
- Nickel-plated blades and handle
- SET-EASY pivot
- New enlarged lower ring for added comfort

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
1DSN	037103223371	Boxed	8-1/8 in	2-3/4 in	0.45 lb

Poultry Processing Shears



- Used extensively in poultry processing
- Made from carbon steel
- Special ball point for poultry processing
- Nickel-plated blades and handle
- Hot drop-forged commercial
- Adjustable nut

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
41DBN	037103223210	Boxed	8-5/8 in	2-7/8 in	0.50 lb

High Leverage Shears



- Hot drop forged commercial nickel plated solid steel
- Serrated nickel-plated blades grips cutting material
- Black, curved handle designed for comfort and fatigue reduction
- Cuts wire used in floral designs and other similar crafts

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
2DAN	037103222886	Boxed	7-3/4 in	2 in	0.50 lb

Rug Shears for Hooked and Candlewick Rugs



- Hot drop-forged solid steel
- Black baked enamel handle
- Nickel-plated blades with sharp points

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
RS1N	037103223319	Boxed	8 in	2-7/8 in	0.35 lb

Kitchen Shears



- Hot drop-forged stainless steel
- Cut a variety of materials including twine, rope, cardboard, light metal
- Ideal for many miscellaneous jobs in and around the home
- One blade serrated
- Black baked enamel handle

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
KSRN	037103223500	Carded	8 in	2-5/8 in	0.28 lb

Industrial Trimming, Grape Thinning & Orchid Snips



- Hot drop-forged solid steel
- Straight, polished blades with adjustable nut
- Heavy pattern
- Coil spring handle opens blades after each cut
- Black baked enamel handle with closing latch

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
C4ASN	037103223487	Boxed	8 in	2-1/4 in	N/A	0.44 lb

Light Metal-Cutting Snips



- Used in electronic and appliance light metal cutting
- Comes with polished straight blades

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Cutting Capacity	Product Weight
J7SN	037103223494	Boxed	7 in	1 in	N/A	0.25 lb

Electronics and Filament Scissors



- Hot drop-forged solid steel
- Coil spring handle opens blades after each cut
- Straight blades
- Polished blades with black handle

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
605N	037103223470	Boxed	5 in	3/4 in	0.22 lb

Electrician's Scissors



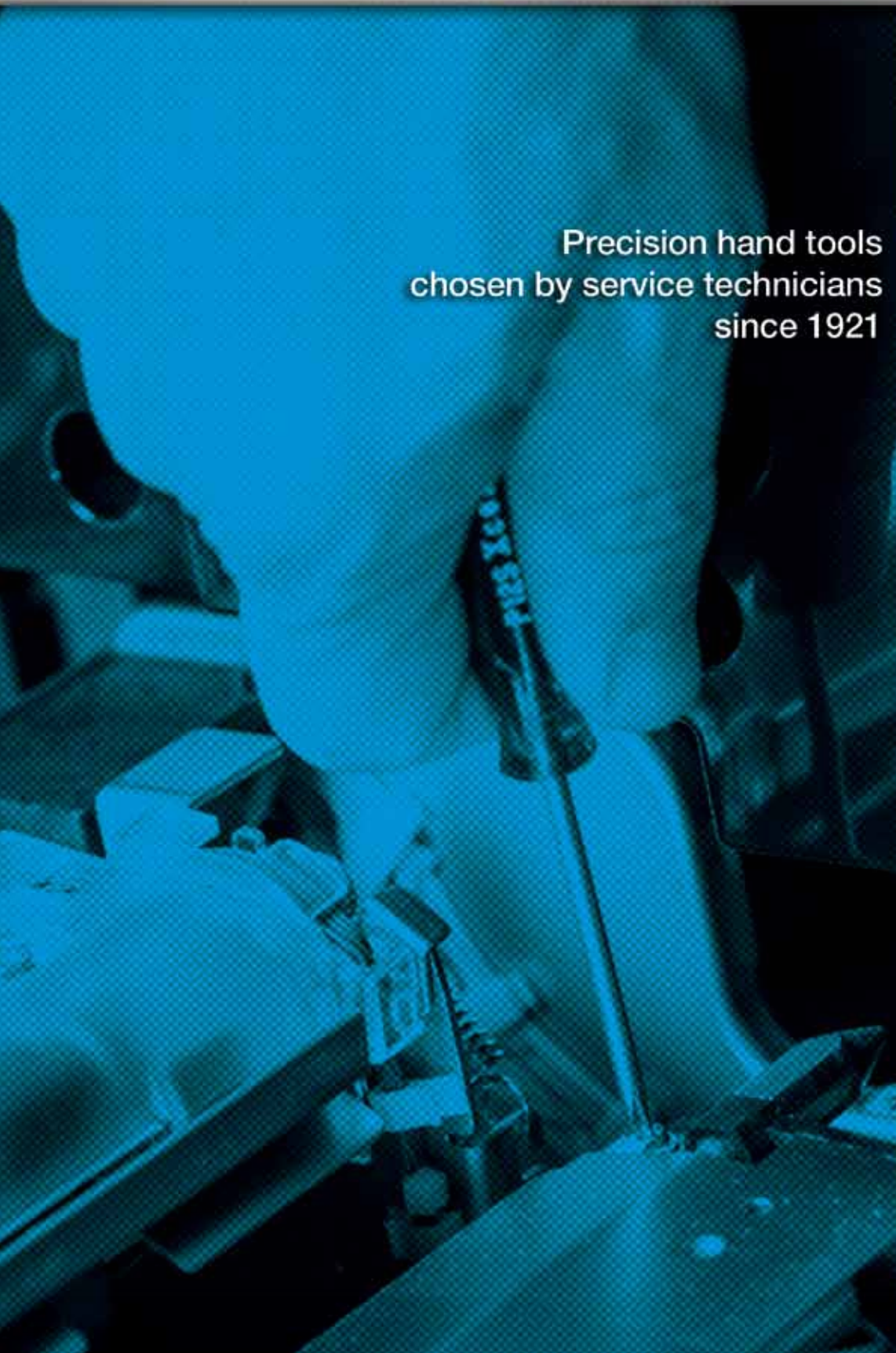
- Double stripping notch for 19 gauge (0.035) and 23 gauge (0.022) wire
- Hot drop-forged solid steel
- Is serrated along entire bottom blade
- Scraper and file on back edge of blade
- Standard full drop run
- Fully nickel-plated
- Packaged in vinyl pouch

Cat. No.	UPC No.	Packaging	Tool Length	Blade Length	Product Weight
175E	037103580801	Boxed	5-1/4 in	1-3/4 in	0.20 lb
175E5	037103580825	Boxed	5-1/4 in	1-3/4 in	0.20 lb
175E5V	037103582188	Carded	5-1/4 in	1-3/4 in	0.20 lb

Xcelite®

Precision hand tools
chosen by service technicians
since 1921

- Precision Screwdrivers and Nutdrivers
- Specialty Screwdrivers
- Specialty Knives



Xcelite®

Originating from a tiny metalworking company in 1921, the Xcelite® brand of precision hand tools has been a favorite of service technicians for over 75 years. It is now known throughout the electronics industry for its full line of high quality precision screwdrivers, nutdrivers, pliers, cutters, interchangeable-blade sets, specialized tools and kits.



8-IN-1 SCREWDRIVER FLEXIBILITY



- **Ergonomic Soft-Grip Handle** for maximum torque
- **Telescopic Turn-and-Click Depot** of 7 bits
- **Industrial Grade Bits:** Phillips #1, #2, #3, slotted 1/8", 3/16", Torx® 15, 20, 25
- **Hex Driver** (1/4") with strong magnetic bit holding power
- **Chrome-Molybdenum Vanadium Steel Blades** provide superior strength
- **Low Glare Satin Finish** on 5" working length shaft
- **Thumb Bolster** for added downward force
- **No-Roll Handle Design** keeps screwdriver from rolling off uneven surfaces



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6 Pc. Precision Electronic Screwdriver Set



- ESD safe to provide protection to ESD sensitive items
- Chrome-molybdenum vanadium steel blades provide superior strength
- Fast turning swivel caps w/cavity provides optimum control for precise centering
- Black oxide tips for longer wear life
- No-roll handle design keeps drivers from rolling off uneven surfaces
- Storage case provides a home and keeps drivers safe

Cat. No.	UPC No.	Packaging	Description	Contents	Product Weight
XP600	037103157713	Storage Case	6 pc. ESD safe slotted/Phillips® screwdriver set with storage case	(1) 1.5mm x 60mm Slotted Tip Screwdriver (1) 2.0mm x 60mm Slotted Tip Screwdriver (1) 2.5mm x 60mm Slotted Tip Screwdriver (1) 3.0mm x 60mm Slotted Tip Screwdriver (1) #0 Point Phillips® Tip Screwdriver (1) #00 Point Phillips® Tip Screwdriver	0.50 lb

6 Pc. Precision Electronic Torx® Screwdriver Set



- ESD safe to provide protection to ESD sensitive items
- Chrome-molybdenum vanadium steel blades provide superior strength
- Fast turning swivel caps w/cavity provides optimum control for precise centering
- Black oxide tips for longer wear life
- No-roll handle design keeps drivers from rolling off uneven surfaces
- Storage case provides a home and keeps drivers safe

Cat. No.	UPC No.	Packaging	Description	Contents	Product Weight
XPTX600	037103157720	Storage Case	6 pc. ESD safe Torx® screwdriver set with storage case	(1) #5 point standard Torx® tip screwdriver (1) #6 point standard Torx® tip screwdriver (1) #7 point standard Torx® tip screwdriver (1) #8 point standard Torx® tip screwdriver (1) #10 point standard Torx® tip screwdriver (1) #15 point standard Torx® tip screwdriver	0.50 lb

6 Pc. Precision Electronic Nutdriver Set



- ESD safe to provide protection to ESD sensitive items
- Chrome-molybdenum vanadium steel blades provide superior strength
- Fast turning swivel caps provides optimum control for precise centering
- No-roll handle design keeps drivers from rolling off uneven surfaces
- Storage case provides a home and keeps drivers safe

Cat. No.	UPC No.	Packaging	Contents	Blade Length	Overall Length	Product Weight
XPND600	037103265449	Storage Case	7/64", 1/8", 9/64", 5/32", 3/16", 7/32" nutdrivers	2.25 in	6.25 in	0.56 lb

Pro Series Electronic Screwdriver Sets



- The handle core is made of hard shockproof plastic for durability, while the outer coating is soft rubber for comfort and slip resistance
- ESD safe hard plastic core to protect sensitive components
- The handles are ergonomically designed, allowing sustained high torque with minimal slippage and muscle fatigue
- Smooth shatterproof seamless handle cap for minimal friction between hand and handle when screwdriver is being turned
- Narrow pinch grip for comfort and control
- Thumb bolster allows added downward force
- Satin finish chrome molybdenum steel shafts provide durability
- Specially treated black oxide tips eliminate light reflection

Cat. No.	UPC No.	Packaging	Description	Contents	Product Weight
XPE500	037103183323	Hanging Display Box	5 pc. ESD safe slotted/Phillips® Pro Series screwdriver set	(1) Phillips® tip Ergo handle screwdriver, #1 x 4" (1) Phillips® tip Ergo handle screwdriver, #2 x 4" (1) Slotted tip screwdriver, 1/8" x 4" (1) Slotted tip screwdriver, 3/16" x 6" (1) Slotted tip screwdriver, 1/4" x 4"	0.87 lb
XPE700	037103153838	Hanging Display Box	7 pc. ESD safe slotted/Phillips® Pro Series screwdriver set	(1) Phillips® tip Ergo handle screwdriver, #1 x 4" (1) Phillips® tip Ergo handle screwdriver, #2 x 4" (1) Slotted tip screwdriver, 1/8" x 4" (1) Slotted tip screwdriver, 5/32" x 4" (1) Slotted tip screwdriver, 5/32" x 6" (1) Slotted tip screwdriver, 3/16" x 6" (1) Slotted tip screwdriver, 1/4" x 4"	0.97 lb

6 Pc. Ergonic® Screwdriver Set



- Ergonic soft inner core conforms to hand as torque is applied for maximum comfort, slip resistance and 20%-30% more torque
- Precision machined tip to prevent point loading and deformation of fastener
- Smooth shatterproof seamless handle cap with easy hang-through hole design
- Narrow pinch grip for comfort and control
- Thumb bolster allows added downward force
- Durable shockproof plastic handle co-molded to blade for maximum adherence
- Durable satin finish chrome molybdenum steel shafts
- Black oxide all steel tip for maximum strength, precision fit and minimized light reflection

Cat. No.	UPC No.	Packaging	Product Weight
XPS600	037103265470	Display Box	1.11 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
XPS184	Screwdriver, 1/8" Slotted Ergonic®	1	XPS5144	Screwdriver, 1/4" Slotted Ergonic®	1
XPS5324	Screwdriver, 5/32 Slotted Ergonic®	1	XPS1014	Screwdriver, #1 Phillips® Ergonic®	1
XPS3164	Screwdriver, 3/16" Slotted Ergonic®	1	XPS1024	Screwdriver, #2 Phillips® Ergonic®	1

Ergonic® Phillips® Screwdrivers



ergonic



- Ergonic soft inner core conforms to hand as torque is applied for maximum comfort, slip resistance and 20%-30% more torque
- Precision machined tip to prevent point loading and deformation of fastener
- Smooth shatterproof seamless handle cap with easy hang-through hole design
- Narrow pinch grip for comfort and control
- Thumb bolster allows added downward force
- Durable shockproof plastic handle co-molded to blade for maximum adherence
- Durable satin finish chrome molybdenum steel shafts
- Black oxide all steel tip for maximum strength, precision fit and minimized light reflection

Cat. No.	UPC No.	Packaging	Tip Size	Blade Length	Overall Length	Product Weight
XPS1014	037103265487	Hang Tab	#1	3 in	7 in	0.11 lb
XPS1024	037103265494	Hang Tab	#2	4 in	8 in	0.20 lb

Ergonic® Slotted Screwdrivers



ergonic



- Ergonic soft inner core conforms to hand as torque is applied for maximum comfort, slip resistance and 20%-30% more torque
- Precision machined tip to prevent point loading and deformation of fastener
- Smooth shatterproof seamless handle cap with easy hang-through hole design
- Narrow pinch grip for comfort and control
- Thumb bolster allows added downward force
- Durable shockproof plastic handle co-molded to blade for maximum adherence
- Durable satin finish chrome molybdenum steel shafts
- Black oxide all steel tip for maximum strength, precision fit and minimized light reflection

Cat. No.	UPC No.	Packaging	Tip Size	Blade Length	Overall Length	Product Weight
XPS184	037103265463	Hang Tab	1/8"	4 in	7.50 in	0.08 lb
XPS5324	037103265371	Hang Tab	5/32"	4 in	7.75 in	0.11 lb
XPS3164	037103265500	Hang Tab	3/16"	6 in	10.00 in	0.17 lb
XPS5144	037103265456	Hang Tab	1/4"	4 in	8.00 in	0.20 lb

8-in-1 Screwdriver



- Ergonomic soft-grip handle for maximum torque
- Telescopic turn-and-click depot of 7 bits
- 1/4" hex driver utilized with strong magnetic bit holding power
- Includes 8 Industrial grade bits
- Chrome-molybdenum vanadium steel blade provides superior strength
- Durable low glare satin finish shaft
- Thumb bolster for added downward force
- No-roll handle design keeps screwdriver from rolling off uneven surfaces

Cat. No.	UPC No.	Packaging	Contents	Blade Length	Overall Length	Product Weight
XPMB8	037103265432	Carded	Industrial grade bits: Phillips #1, #2, #3 Slotted 1/8", 3/16" Torx 15, 20, 25	5 in	9 in	0.41 lb

Extra Long Screw-Holding Screwdrivers



- Unbeatable screw holding flexibility around hard to reach areas requiring screw extraction, replacement and or tightening
- Screw-holding screwdrivers are ESD safe for protection to static sensitive components
- Ergonomic handle design allows sustained high torque
- Smooth shatterproof seamless handle cap
- Narrow pinch grip for comfort and control
- Thumb bolster allows added downward force
- Durable shockproof plastic handle core
- Durable satin finish chrome molybdenum steel shafts
- Easy hang-through hole design

Cat. No.	UPC No.	Packaging	Tip Size	Blade Length	Overall Length	Product Weight
XPHS188	037103265388	Hang Tab	1/8"	7-3/4 in	11 in	0.10 lb
XPHS5328	037103265425	Hang Tab	5/32"	7-3/4 in	11-1/4 in	0.14 lb
XPHS3168	037103265418	Hang Tab	3/16"	7-3/4 in	11-1/4 in	0.22 lb
XPHS1018	037103265395	Hang Tab	#1	7-3/4 in	11-1/4 in	0.16 lb
XPHS1028	037103265401	Hang Tab	#2	7-3/4 in	11-1/4 in	0.25 lb

Pocket Clip Style - Round Blade



- Blade made from AISI 6150 chrome vanadium steel
- For slotted screws
- Plated for protection

Cat. No.	UPC No.	Packaging	Blade Diameter	Blade Length	Overall Length	Product Weight
R3322	037103485656	Boxed	3/32 in	2 in	4-1/4 in	0.01 lb
R3322V	037103485663	Carded	3/32 in	2 in	4-1/4 in	0.10 lb
R3323	037103485670	Boxed	3/32 in	3 in	5-1/4 in	0.03 lb
R3323V	037103488725	Carded	3/32 in	3 in	5-1/4 in	0.09 lb
R3324	037103485687	Boxed	3/32 in	4 in	6-1/4 in	0.06 lb
R3324V	037103488732	Carded	3/32 in	4 in	6-1/4 in	0.09 lb
R181	037103485458	Boxed	1/8 in	2 in	4-1/4 in	0.02 lb
R181V	037103485465	Carded	1/8 in	2 in	4-1/4 in	0.08 lb
R183	037103485489	Boxed	1/8 in	3 in	5-1/4 in	0.02 lb
R183V	037103488688	Carded	1/8 in	3 in	5-1/4 in	0.08 lb

Regular - Round Blade



- Blade made from AISI 6150 chrome vanadium steel
- For slotted screws

- Plated for protection

Cat. No.	UPC No.	Packaging	Blade Diameter	Blade Length	Overall Length	Product Weight
R182	037103485472	Boxed	1/8 in	2 in	4-5/8 in	0.05 lb
R182V	037103488671	Carded	1/8 in	2 in	4-5/8 in	0.10 lb
R184	037103485496	Boxed	1/8 in	4 in	6-5/8 in	0.06 lb
R184V	037103485502	Carded	1/8 in	4 in	6-5/8 in	0.08 lb
R186	037103485519	Boxed	1/8 in	6 in	8-5/8 in	0.01 lb
R186V	037103485526	Carded	1/8 in	6 in	8-5/8 in	0.16 lb
R188	037103485533	Boxed	1/8 in	8 in	10-5/8 in	0.01 lb
R188V	037103485540	Carded	1/8 in	8 in	10-5/8 in	0.10 lb
R1810	037103485571	Boxed	1/8 in	10 in	12-5/8 in	0.01 lb
R5323	037103485731	Boxed	5/32 in	3 in	5-5/8 in	0.05 lb
R5324	037103485748	Boxed	5/32 in	4 in	6-5/8 in	0.05 lb
R5325	037103485755	Boxed	5/32 in	5 in	7-5/8 in	0.03 lb
R3163	037103485588	Boxed	3/16 in	3 in	6-5/8 in	0.10 lb
R3164	037103485601	Boxed	3/16 in	4 in	7-5/8 in	0.01 lb
R3164V	037103485618	Carded	3/16 in	4 in	7-5/8 in	0.20 lb
R3166	037103485625	Boxed	3/16 in	6 in	9-5/8 in	0.10 lb
R3166V	037103485632	Carded	3/16 in	6 in	9-5/8 in	0.20 lb
R3168	037103485649	Boxed	3/16 in	8 in	11-5/8 in	0.30 lb
R31610	037103485786	Boxed	3/16 in	10 in	13-5/8 in	0.15 lb
R144	037103485403	Boxed	1/4 in	4 in	8-1/8 in	0.35 lb
R144V	037103485410	Carded	1/4 in	4 in	8-1/8 in	0.30 lb
R146	037103485427	Boxed	1/4 in	6 in	10-1/8 in	0.10 lb
R146V	037103485434	Carded	1/4 in	6 in	10-1/8 in	0.30 lb
R148	037103485441	Boxed	1/4 in	8 in	12-1/8 in	0.01 lb
R1410	037103485564	Boxed	1/4 in	10 in	14-1/8 in	0.30 lb
R5164	037103485694	Boxed	5/16 in	4 in	8-1/2 in	0.20 lb
R5166	037103485700	Boxed	5/16 in	6 in	10-1/2 in	0.30 lb
R5168	037103485724	Boxed	5/16 in	8 in	12-1/2 in	0.35 lb
R388	037103485557	Boxed	3/8 in	8 in	12-1/2 in	0.45 lb

5 pc. Round Blade Screwdriver Set



- Blade made from AISI 6150 chrome vanadium steel
- For slotted screws
- Plated for protection

Cat. No.	UPC No.	Packaging	Description	Product Weight
SDR11	037103486103	Pouch	5 round blade screwdrivers for slotted screws	1.00 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
R182	Round Blade Slotted Screwdriver, 1/8" x 2"	1	R144	Round Blade Slotted Screwdriver, 1/4" x 4"	1
R5324	Round Blade Slotted Screwdriver, 5/32" x 4"	1	R5166	Round Blade Slotted Screwdriver, 5/16" x 6"	1
R3166	Round Blade Slotted Screwdriver, 3/16" x 6"	1			

Stubby - Square Blade



- Stubby square blade screwdrivers
- Blade made from AISI 6150 chrome vanadium steel
- For slotted screws
- Plated for protection



Cat. No.	UPC No.	Packaging	Blade Diameter	Blade Length	Overall Length	Product Weight
S3161	037103485922	Boxed	3/16 in	1-1/4 in	3-1/4 in	0.10 lb
S141	037103485854	Boxed	1/4 in	1-1/4 in	3-1/4 in	0.10 lb

Regular - Square Blade



- Regular square blade screwdrivers
- Blade made from AISI 6150 chrome vanadium steel
- For slotted screws
- Plated for protection



Cat. No.	UPC No.	Packaging	Blade Diameter	Blade Length	Overall Length	Product Weight
S3163	037103485939	Boxed	3/16 in	3 in	6-5/8 in	0.10 lb
S3164	037103485953	Boxed	3/16 in	4 in	7-5/8 in	0.20 lb
S3166	037103485977	Boxed	3/16 in	6 in	9-5/8 in	0.15 lb
S144	037103485861	Boxed	1/4 in	4 in	8-1/8 in	0.20 lb
S146	037103485885	Boxed	1/4 in	6 in	10-1/8 in	0.11 lb
S5164	037103486028	Boxed	5/16 in	4 in	8-1/2 in	0.30 lb
S5166	037103486035	Boxed	5/16 in	6 in	10-1/2 in	0.15 lb
S5168	037103486059	Boxed	5/16 in	8 in	12-1/2 in	0.40 lb
S388	037103485915	Boxed	3/8 in	8 in	12-1/2 in	0.50 lb
S3812	037103486004	Boxed	3/8 in	12 in	18 in	0.80 lb

5 pc. Square Blade Screwdriver Set



- Blade made from AISI 6150 chrome vanadium steel
- For slotted screws
- Plated for protection



Cat. No.	UPC No.	Packaging	Description	Product Weight
SDS44	037103486110	Pouch	5 square blade screwdrivers for slotted screws	1.60 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
S3164	Regular Square Blade Slotted Screwdriver, 3/16" x 4"	1	S5166	Regular Square Blade Slotted Screwdriver, 5/16" x 6"	1
S141	Stubby Square Blade Screwdriver, 1/4" x 1-1/4"	1	S388	Regular Square Blade Slotted Screwdriver, 3/8" x 8"	1
S144	Regular Square Blade Slotted Screwdriver, 1/4" x 4"	1			

Screwdrivers for Recess Head Screws



- Screwdriver for recess head screws
- Pocket clip style - Phillips® type
- No. 0 x 2"



Cat. No.	UPC No.	Packaging	Tip Size	Blade Diameter	Blade Length	Overall Length	Product Weight
P12S	037103484857	Boxed	#0	1/8 in	2 in	4-1/4 in	0.02 lb
P12SV	037103486905	Carded	#0	1/8 in	2 in	4-1/4 in	0.10 lb

Stubby - Phillips® Type



- Stubby round blade screwdriver for Phillips® screws
- Blade made from AISI 6150 chrome vanadium steel
- Plated for protection



Cat. No.	UPC No.	Packaging	Tip Size	Blade Diameter	Blade Length	Overall Length	Product Weight
SX101	037103486226	Boxed	#1	3/16 in	1-1/4 in	3-1/4 in	0.03 lb
SX102	037103486233	Boxed	#2	1/4 in	1-5/16 in	3-3/8 in	0.04 lb

Regular - Phillips® Type



- Regular Phillips® type screwdrivers
- Blade made from AISI 6150 chrome vanadium steel
- Plated for protection



Cat. No.	UPC No.	Packaging	Tip Size	Blade Diameter	Blade Length	Overall Length	Product Weight
X100	037103486370	Boxed	#0	1/8 in	2 in	4-5/8 in	0.02 lb
X101	037103486394	Boxed	#1	3/16 in	3 in	6-5/8 in	0.05 lb
X101V	037103486400	Carded	#1	3/16 in	3 in	6-5/8 in	0.12 lb
X108	037103486462	Boxed	#1	3/16 in	6 in	9-5/8 in	0.06 lb
X108V	037103486479	Carded	#1	3/16 in	6 in	9-5/8 in	0.12 lb
X102	037103486417	Boxed	#2	1/4 in	4 in	8-1/8 in	0.02 lb
X102V	037103486424	Carded	#2	1/4 in	4 in	8-1/8 in	0.12 lb
X103	037103486431	Boxed	#3	5/16 in	6 in	10-1/2 in	0.30 lb

Extra Long - Phillips Type



- Extra long Phillips® type screwdrivers
- Blade made from AISI 6150 chrome vanadium steel
- Plated for protection

Cat. No.	UPC No.	Packaging	Tip Size	Blade Diameter	Blade Length	Overall Length	Product Weight
X1010	037103486486	Boxed	#1	3/16 in	10 in	13-5/8 in	0.10 lb
X1020	037103486493	Boxed	#2	1/4 in	10 in	14-1/8 in	0.13 lb

Super-tru Tip - Phillips Type



- Super-tru tip for longer wear life and reduction of damage to screw head recesses, especially in smaller size fasteners
- Specially treated and finished tips with black oxide for ultimate control
- Bright, nickel chrome-plated blades



Cat. No.	UPC No.	Packaging	Tip Size	Blade Diameter	Blade Length	Overall Length	Product Weight
XST100	037103486738	Boxed	#0	1/8 in	2 in	4-5/8 in	0.02 lb
XST100V	037103486745	Carded	#0	1/8 in	2 in	4-5/8 in	0.10 lb
XST101	037103486752	Boxed	#1	3/16 in	3 in	6-5/8 in	0.10 lb
XST101V	037103486769	Carded	#1	3/16 in	3 in	6-5/8 in	0.20 lb
XST1010	037103486790	Boxed	#1	3/16 in	10 in	13-5/8 in	0.15 lb
XST102	037103486776	Boxed	#2	1/4 in	4 in	8-1/8 in	0.10 lb
XST102V	037103486783	Carded	#2	1/4 in	4 in	8-1/8 in	0.30 lb
XST1020	037103486806	Boxed	#2	1/4 in	10 in	14-1/8 in	0.30 lb

Screwdrivers for Torx® Head Screws



- Screwdriver for Torx® head screws
- Blade made from AISI 6150 chrome vanadium steel
- Plated for protection



Cat. No.	UPC No.	Packaging	Tip Size	Blade Length	Overall Length	Product Weight
XTD6	037103490551	Boxed	T-6	3 in	6-5/8 in	0.01 lb
XTD6V	037103490568	Carded	T-6	3 in	6-5/8 in	0.07 lb
XTD8	037103490407	Boxed	T-8	3 in	6-5/8 in	0.01 lb
XTD8V	037103490414	Carded	T-8	3 in	6-5/8 in	0.07 lb
XTD10	037103488039	Boxed	T-10	3 in	6-5/8 in	0.01 lb
XTD10XL	037103491312	Boxed	T-10	11 in	15-1/4 in	0.30 lb
XTD15	037103488053	Boxed	T-15	3 in	6-5/8 in	0.01 lb
XTD15XL	037103491329	Boxed	T-15	11 in	15-1/4 in	0.30 lb
XTD20	037103488077	Boxed	T-20	3 in	6-5/8 in	0.01 lb
XTD25	037103488091	Boxed	T-25	3 in	6-5/8 in	0.01 lb
XTD27	037103488114	Boxed	T-27	4-1/2 in	8-5/8 in	0.02 lb
XTD30	037103488138	Boxed	T-30	4-1/2 in	8-5/8 in	0.02 lb

5 pc. Phillips® Screwdriver Set



- Blade made from AISI 6150 chrome vanadium steel
- Plated for protection



Cat. No.	UPC No.	Packaging	Description	Product Weight
SDX22	037103486127	Pouch	5 pieces - all Phillips®	1.00 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
X100	Regular Phillips® Screwdriver, #0 x 2"	1	X102	Regular Phillips® Screwdriver, #2 x 4"	1
X101	Regular Phillips® Screwdriver, #1 x 3"	1	X103	Regular Phillips® Screwdriver, #3 x 6"	1
SX102	Stubby Phillips® Screwdriver, #2 x 1-5/16"	1			

3 Pc. Super-tru Tip Phillips® Screwdriver Set



- Super-tru tip for longer wear life and reduction of damage to screw head recesses, especially in smaller size fasteners
- Specially treated and finished tips with black oxide for ultimate control
- Bright, nickel chrome-plated blades



Cat. No.	UPC No.	Packaging	Description	Product Weight	
XST3	037103487353	Pouch	3 pieces - all Super-tru tip Phillips® type	0.25 lb	
Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
XST100	Super-tru Tip Phillips® Screwdriver, #0 x 2"	1	XST102	Super-tru Tip Phillips® Screwdriver, #2 x 4"	1
XST101	Super-tru Tip Phillips® Screwdriver, #1 x 3"	1			

5 Pc. Super-tru Tip Phillips® Screwdriver Set



- Super-tru tip for longer wear life and reduction of damage to screw head recesses, especially in smaller size fasteners
- Specially treated and finished tips with black oxide for ultimate control
- Bright, nickel chrome-plated blades



Cat. No.	UPC No.	Packaging	Description	Product Weight	
XST5	037103487360	Pouch	5 pieces - all Super-tru tip Phillips® type	0.41 lb	
Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
XST100	Super-tru Tip Phillips® Screwdriver, #0 x 2"	1	XST102	Super-tru Tip Phillips® Screwdriver, #2 x 4"	1
XST101	Super-tru Tip Phillips® Screwdriver, #1 x 3"	1	XST1020	Super-tru Tip Phillips® Screwdriver, #2 x 10"	1
XST1010	Super-tru Tip Phillips® Screwdriver, #1 x 10"	1			

3 pc. Pocket Clip Screwdriver Set



- Blade made from AISI 6150 chrome vanadium steel
- Plated for protection



Cat. No.	UPC No.	Packaging	Description	Product Weight
SD3V	037103486097	Carded	3 pieces - (2) pocket clip screwdrivers for slotted and (1) Phillips® type	0.10 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
R3322	Pocket Clip Slotted Screwdriver, 3/32" x 2"	1	P12S	Pocket Clip Phillips® Screwdriver, #0 x 2"	1
R181	Pocket Clip Slotted Screwdriver, 1/8" x 2"	1			

6 pc. Round Blade Screwdriver Set



- Blade made from AISI 6150 chrome vanadium steel
- Plated for protection



Cat. No.	UPC No.	Packaging	Description	Product Weight
SRX33	037103486219	Pouch	6 pieces - (4) round blade screwdrivers for slotted and (2) Phillips® type	1.10 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
R184	Round Blade Slotted Screwdriver, 1/8" x 4"	1	R5166	Round Blade Slotted Screwdriver, 5/16" x 6"	1
R3166	Round Blade Slotted Screwdriver, 3/16" x 6"	1	X101	Regular Phillips® Screwdriver, #1 x 3"	1
R144	Round Blade Slotted Screwdriver, 1/4" x 4"	1	X102	Regular Phillips® Screwdriver, #2 x 4"	1

Hex Screwdrivers - Inch Sizes



- Screwdriver for recessed hex socket head screws
- Inch sizes



Cat. No.	UPC No.	Packaging	Blade Diameter	Blade Length	Overall Length	Product Weight
LN20	037103484468	Boxed	0.050 in	4 in	6-5/8 in	0.05 lb
LN21	037103484475	Boxed	1/16 in	4 in	6-5/8 in	0.05 lb
LN21V	037103488275	Carded	1/16 in	4 in	6-5/8 in	0.10 lb
LN22	037103484482	Boxed	5/64 in	4 in	6-5/8 in	0.05 lb
LN22V	037103488282	Carded	5/64 in	4 in	6-5/8 in	0.10 lb
LN23	037103484499	Boxed	3/32 in	4 in	7-1/8 in	0.05 lb
LN23V	037103488299	Carded	3/32 in	4 in	7-1/8 in	0.10 lb
LN764	037103484550	Boxed	7/64 in	4 in	7-1/8 in	0.06 lb
LN964	037103484567	Boxed	9/64 in	4 in	7-1/8 in	0.06 lb
LN25	037103484512	Boxed	5/32 in	6 in	9-1/8 in	0.08 lb

Hex Screwdrivers - Metric Sizes



- Screwdriver for recessed hex socket head screws
- Metric sizes



Cat. No.	UPC No.	Packaging	Blade Diameter	Blade Length	Overall Length	Product Weight
LN15MM	037103484277	Boxed	1.5 mm	102 mm	168 mm	0.08 lb
LN2MM	037103484284	Boxed	2 mm	102 mm	168 mm	0.08 lb
LN25MM	037103484291	Boxed	2.5 mm	102 mm	181 mm	0.10 lb
LN3MM	037103484307	Boxed	3 mm	102 mm	181 mm	0.10 lb
LN4MM	037103484314	Boxed	4 mm	102 mm	181 mm	0.20 lb

11 pc. Roll-up Kit for Allen® Hex Socket Type Screwdrivers



- Complete set of LN series Allen® hex socket type screwdrivers
- Color of handle: Amber
- Roll-up canvas case, plastic-coated for wear and protection



Cat. No.	UPC No.	Packaging	Description	Product Weight
LN11	037103484451	Roll-up canvas	11 pieces - Complete set of Allen® hex type screwdrivers, 0.050" - 1/4"	1.90 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
LN20	Hex Screwdriver, 0.050" x 4"	1	LN964	Hex Screwdriver, 9/64" x 4"	1
LN21	Hex Screwdriver, 1/16" x 4"	1	LN25	Hex Screwdriver, 5/32" x 6"	1
LN22	Hex Screwdriver, 5/64" x 4"	1	-	Allen® Hex Type Screwdriver, 3/16" x 6"	1
LN23	Hex Screwdriver, 3/32" x 4"	1	-	Allen® Hex Type Screwdriver, 7/32" x 6"	1
LN764	Hex Screwdriver, 7/64" x 4"	1	-	Allen® Hex Type Screwdriver, 1/4" x 6"	1
-	Allen® Hex Type Screwdriver, 1/8" x 4"	1			

8 pc. Roll-up Kit for Allen® Metric Type Screwdrivers



- Complete set of LN series Allen® metric type screwdrivers
- Color of handle: Amber
- Roll-up canvas case, plastic-coated for wear and protection



Cat. No.	UPC No.	Packaging	Description	Product Weight
LN8MM	037103484345	Roll-up canvas	8 pieces - Complete set of Allen® metric screwdrivers, 1.27mm - 6mm	1.30 lb

Cat. No.	Description	Qty.	Cat. No.	Description	Qty.
-	Allen® Metric Type Screwdriver, 1.27mm x 102mm	1	LN3MM	Metric Hex Screwdriver, 1.5mm x 102mm	1
LN15MM	Metric Hex Screwdriver, 1.5mm x 102mm	1	LN4MM	Metric Hex Screwdriver, 1.5mm x 102mm	1
LN2MM	Metric Hex Screwdriver, 1.5mm x 102mm	1	-	Allen® Metric Type Screwdriver, 5mm x 102mm	1
LN25MM	Metric Hex Screwdriver, 1.5mm x 102mm	1	-	Allen® Metric Type Screwdriver, 6mm x 102mm	1

4-way Pocket Tool



- Extremely versatile time-saver
- Handy for removing backs of TV sets and installing antennas
- Special reversible SB1 blade fits slotted or Phillips head screws
- Double-ended handle serves as 2 sizes of nutdrivers (7/16" and 1/4")



Cat. No.	UPC No.	Packaging	Description	Product Weight
600	037103483690	Boxed	4-way Pocket Tool	0.15 lb
600V	037103483706	Carded	4-way Pocket Tool	0.20 lb

Regular Nutdrivers - Fixed Handle - Drilled Shaft



- Precision-machined, cold-drawn, case-hardened socket with bright finish
- Regular, plastic color-coded handles for ease in size identification
- Molded firm grip



Cat. No.	UPC No.	Packaging	Handle Color	Fastener Size	Nut End Depth	Blade Length	Overall Length	Product Weight
6	037103481054	Boxed	Black	3/16 in	1-1/8 in	3 in	6-1/8 in	0.07 lb
8	037103481108	Boxed	Red	1/4 in	1-1/8 in	3 in	6-1/8 in	0.07 lb
10	037103481177	Boxed	Amber	5/16 in	1-1/8 in	3 in	6-1/8 in	0.07 lb
10V	037103481214	Carded	Amber	5/16 in	1-1/8 in	3 in	6-1/8 in	0.20 lb
11	037103481221	Boxed	Green	11/32 in	1-1/8 in	3 in	6-1/8 in	0.07 lb
12	037103481252	Boxed	Blue	3/8 in	1-1/8 in	3 in	6-1/8 in	0.07 lb
14	037103481290	Boxed	Brown	7/16 in	1-7/8 in	2-7/8 in	7 in	0.11 lb

Regular Nutdrivers - Full Hollow Shaft - Inch Sizes



- Precision-machined, cold-drawn, case-hardened socket with bright finish
- Molded firm grip



Cat. No.	UPC No.	Packaging	Handle Color	Fastener Size	Nut End Depth	Blade Length	Overall Length	Product Weight
HS6	037103484031	Boxed	Black	3/16 in	6 in	3-1/8 in	6-1/4 in	0.05 lb
HS7	037103484055	Boxed	Brown	7/32 in	6 in	3-1/8 in	6-1/4 in	0.05 lb
HS8	037103484062	Boxed	Red	1/4 in	7 in	3-1/8 in	7-1/4 in	0.10
HS8V	037103484079	Carded	Red	1/4 in	7 in	3-1/8 in	7-1/4 in	0.20 lb
HS9	037103484086	Boxed	Orange	9/32 in	7 in	3-1/8 in	7-1/4 in	0.10 lb
HS9V	037103488657	Carded	Orange	9/32 in	7 in	3-1/8 in	7-1/4 in	.020 lb
HS10	037103484093	Boxed	Amber	5/16 in	7 in	3-1/8 in	7-1/4 in	0.10 lb
HS10V	037103484109	Carded	Amber	5/16 in	7 in	3-1/8 in	7-1/4 in	0.20 lb
HS11	037103484116	Boxed	Green	11/32 in	7 in	3-1/8 in	7-1/4 in	0.10 lb
HS11V	037103484123	Carded	Green	11/32 in	7 in	3-1/8 in	7-1/4 in	0.30 lb
HS12	037103484130	Boxed	Blue	3/8 in	7 in	3-1/8 in	7-1/4 in	0.10 lb
HS12V	037103484147	Carded	Blue	3/8 in	7 in	3-1/8 in	7-1/4 in	0.30 lb
HS14	037103484154	Boxed	Brown	7/16 in	7 in	3-1/8 in	7-1/4 in	0.10 lb
HS14V	037103484161	Carded	Brown	7/16 in	7 in	3-1/8 in	7-1/4 in	0.30 lb
HS16	037103484178	Boxed	Red	1/2 in	7 in	3-1/8 in	7-1/4 in	0.10 lb
HS16V	037103484185	Carded	Red	1/2 in	7 in	3-1/8 in	7-1/4 in	0.30 lb
HS18	037103484192	Boxed	Orange	9/16 in	7 in	3-1/8 in	7-1/4 in	0.10 lb
HS18V	037103484208	Carded	Orange	9/16 in	7 in	3-1/8 in	7-1/4 in	0.30 lb

Regular Nutdrivers - Drilled Shaft - Metric Sizes



- Particularly useful in assembly and servicing of foreign equipment
- Bright finished blades, shafts and shanks
- Manufactured precisely to metric dimension



Cat. No.	UPC No.	Packaging	Handle Color	Fastener Size	Nut End Depth	Blade Length	Overall Length	Product Weight
4MM	037103481009	Boxed	Black	4 mm	29 mm	76 mm	156 mm	0.05 lb
5MM	037103481030	Boxed	Black	5 mm	29 mm	76 mm	156 mm	0.07 lb
55MM	037103481047	Boxed	Black	5.5 mm	29 mm	76 mm	156 mm	0.07 lb
7MM	037103481092	Boxed	Black	7 mm	29 mm	76 mm	156 mm	0.07 lb
8MM	037103481122	Boxed	Black	8 mm	29 mm	76 mm	156 mm	0.07 lb
10MM	037103481191	Boxed	Black	10 mm	48 mm	73 mm	178 mm	0.10 lb

Light and Medium-duty Knife Set



- For a wide range of cutting operations
- Contains 10 assorted blades



Cat. No.	UPC No.	Packaging	Description	Product Weight
XNS100	037103487742	Carded	(1) Light duty hobby knife (1) Medium duty precision knife (10) Assorted blades	0.15 lb

Replacement Blades



- Blades interchangeable with other similar knives
- Bulk packed
- Safely packed in transparent plastic containers and carded
- Number of blades per container shown in tables

Cat. No.	UPC No.	Packaging	Point Style	Description	Quantity Per Package	Fits Product Number	Product Weight
XNB103	037103487766	Carded	Fine Pointed	For most detailed cutting and stripping	5	XN100	0.02 lb
XNB103B	037103488473	Carded	Fine Pointed	For most detailed cutting and stripping	100	XN100	0.15 lb
XNB203	037103487797	Carded	General Purpose	For most cutting requirements	5	XN200 XN210 XN300	0.02 lb
XNB105	037103487773	Carded	Stencil	For scoring and etching as well as stencil cutting	5	XN100	0.02 lb
XNB205	037103487803	Carded	Pointed	For close corner cuts on templates, mates, gaskets, also trimming, stripping and de-burring	5	XN200 XN210 XN300	0.02 lb
XNB201	037103487780	Carded	Chisel	Rough shaping de-burring and chiseling	5	XN200 XN210 XN300	0.02 lb
XNB101	037103487759	Carded	Standard	General-duty for cutting, carving and correcting stencils	5	XN100	0.02 lb
XNB301	037103487834	Carded	Straight Carving	For general-purpose carving	2	XN300	0.01 lb

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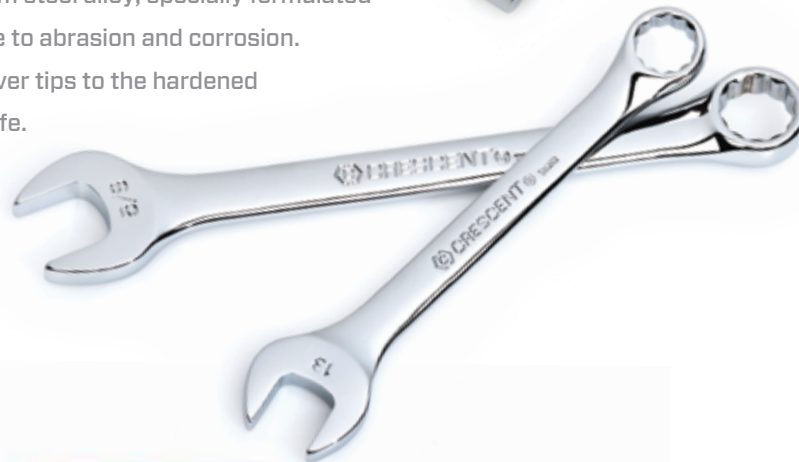
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