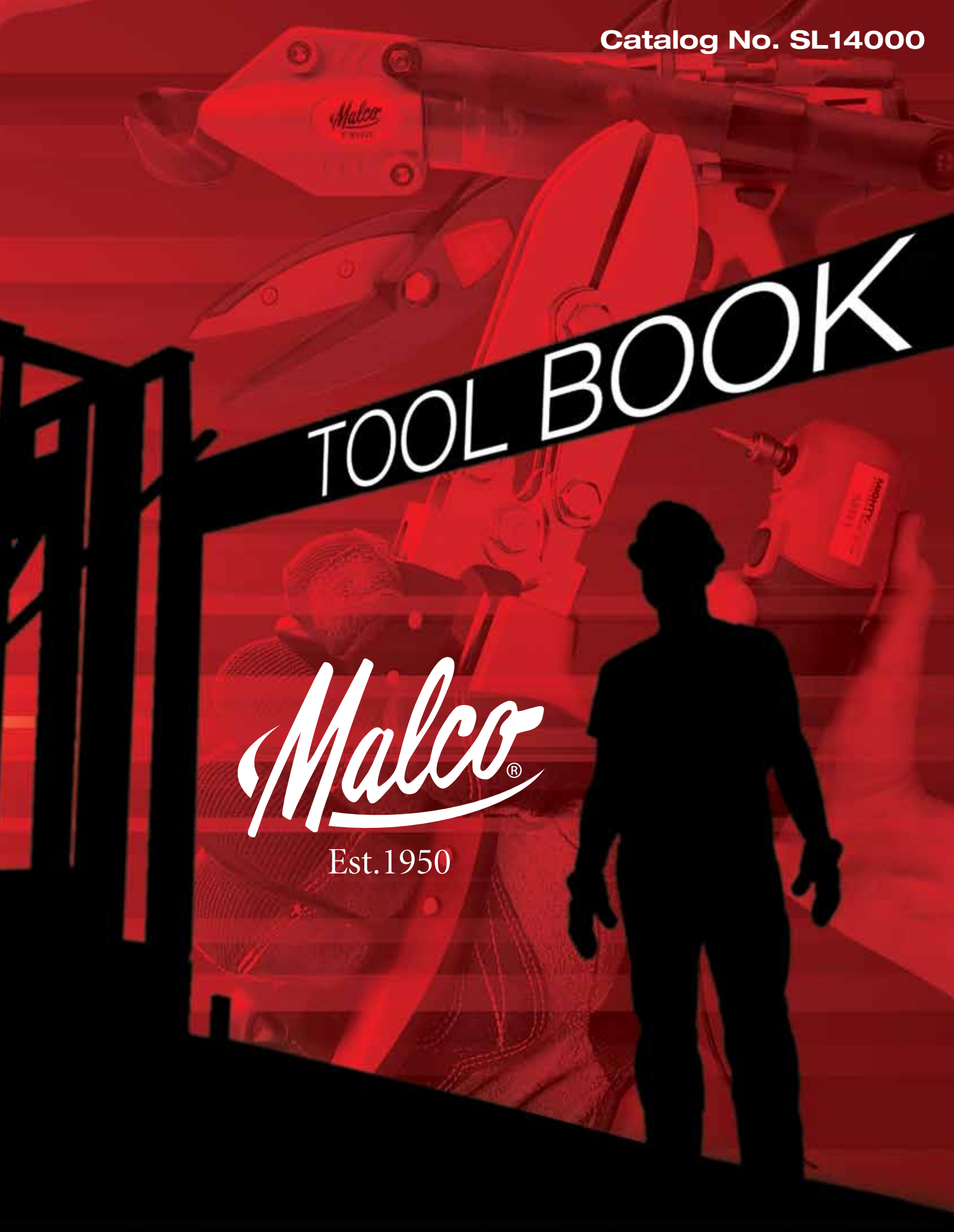


Catalog No. SL14000

TOOL BOOK

Malco[®]

Est. 1950



Quality & Innovation: Longstanding Traditions

In 1950, Mark Keymer, a young steel supply salesman, manufactured and marketed a pipe crimper he had invented for installing metal ductwork in heating systems. He insisted on quality construction, setting the benchmark for the new company. More innovations followed:

- **The first hand seamer, or hand brake, featuring compound-leverage handles.**
- **The time-saving hand notcher, for a V-shaped cut in one motion.**
- **The hand-operated snap-lock punch.**

Just the right tools for crimping, bending, folding or seaming metal.

Today, Malco continues the tradition of quality and innovation, and distributes thousands of products from its Annandale, MN headquarters to trade professionals in the U.S. and around the globe.

A proud heritage for a promising future.

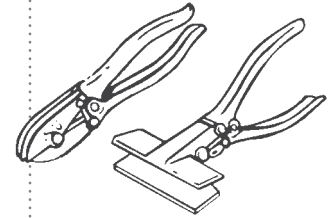


Mark Keymer, Malco's Founder
2007 Minnesota Inventors Hall of Fame

Mark Keymer founded Malco in 1950 and established a legacy of innovation, efficiency and quality. He retired in 1978. His family and Malco employee owners carry on his proven business approach today.

1950's

Mark Keymer develops unique compound leverage hand tools for job-site metal fabrication.



1960's

Early Malco Tool Schools are conducted by Mark Keymer.

1970's

Zip-In screws are a huge success. Operations move from Minneapolis, MN to Annandale, MN.



1980's

Malco uses pegboard templates to promote full-line displays and self service concept.

1990's

Web site launched.
www.malcotools.com



2000's

Compound leverage tools redesigned as Redline™.

Customer Service Phone Numbers:

United States: 1-320-274-7387 / 1-800-328-3530 / Fax: 1-800-206-6760

Canada: 1-320-274-2376 / 1-800-219-1085 / Fax: 1-800-222-5329

International: 01-320-274-2376 Fax: 01-320-274-2652

Distributor Location:

To locate a Malco distributor nearest you, go online to www.malcotools.com and click on the dealer locator tab.

Safety Information: Malco is committed to helping you get the job done efficiently and safely. Unsafe hand tool use can cause on-the-job injuries. Safe tool use prevents accidents and prolongs the life of your tools.



Get your popcorn and take a seat from the comfort of your own computer!

Our lengthy online video collection is a *must see* featuring our most popular tools in action. Oscar worthy content and tips are just the beginning, so sit back, relax and enjoy the show!



Tickets are FREE at www.malcotools.com (videos tab)

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New!

Make Fast, Easy & Precise Power Assisted Crimps in large or small diameter duct and pipe.



Use your existing drill to save time and effort crimping 24 to 30 gauge (0.71 to 0.41 mm) galvanized steel duct, spiral duct, aluminum pipe or (0.61 to 0.31 mm) black stove pipe!



C5A

U.S. Patent No. 7,093,365

Cordless Drill Not Included.

Easy to Use!



See Page 30

Heavy-Duty 16 Gauge Metal Shear!
Superior performance at a fraction of the cost of a dedicated electric power shear.



Cutting applications in construction mild grade steel. Clearance between the shear's cutting inserts may be adjusted for optimal performance within a range of 16 to 26-gauge (1.52 to 0.46 mm) mild steel. A helical (spiral) shaped foot permits easy left, right or straight cutting action.



TSA2

U.S. Patent No. 7,093,365

Cordless Drill Not Included.

Easy to Use!

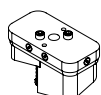


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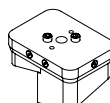
Gutter Outlet Tools specifically designed for punching rectangular square downspout holes that always fit flush in metal gutter.



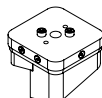
Available Sizes



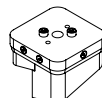
GOT1
50 x 100 mm
1.9 x 3.9 in.



GOT2
75 x 100 mm
2.9 x 3.9 in.



GOT3
3 x 3 in.
80 x 80 mm



GOT3EV
80 x 80 mm
3.2 x 3.2 in.



GOT4
2.5 x 3 in.
63.5 x 76.2 mm



GOT5
2.5 x 2.5 in.
63.5 x 63.5 mm



Malco's New Gutter Outlet Tool has been engineered with ample throat clearance and open sides, to allow any of the 6 available punches to quickly line up cuts in both horizontal and vertical directions. Designed with a durable cast aluminum tool frame that offers lightweight portability and long service life. High carbon steel punch blades ensure a long lasting cutting edge and are resharpenable. All components feature weather resistant finishes. **See Page 65**



Clean cuts with compression spring ejection!

Quick-Action™ Gutter Outlet Saws with Combination Arbor and High Speed Pilot Drill



GOS1EV
60 mm (2.375 in.)



GOS2EV
70 mm (2.75 in.)



GOS3EV
78 mm (3 in.)



GOS4EV
90 mm (3.5 in.)



GOS5EV
100 mm (4 in.)



GOSA1EV
Combination Arbor and High Speed Pilot Drill, with compression spring collar, to automatically eject metal slug.



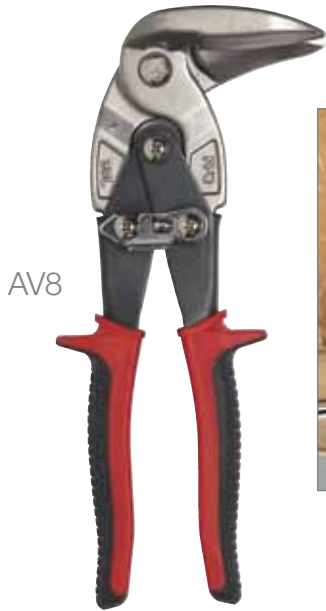
10 High Speed Steel Teeth every 1 in. (25.4 mm)

For downspout that always fits flush to gutter, choose from five different sizes of Malco fine toothed hole saws for safe, fast, clean cuts in thin walled and half round gutter. Combine these gutter saws with the combination Arbor and High Speed Pilot Drill for increased speed and production on the job-site!

See Page 66

New!

Reach it. Cut it. Left and Right Vertical Aviation™ Snips. Easily reach overhead and into tight spaces.



AV8

Easily Reach Tight Spaces & Cut Overhead.



Left and Right cutting forged steel jaws are set at a 90-degree angle to allow easy access when cutting sheet metal in tight spaces or overhead.



AV9

See Page 53

Rock Solid Solutions for Natural Roofing Slate



NSC1

This efficient slate cutting hand tool produces a traditional hand cut chiseled look in 4 - 8 mm natural roofing slate. With the flat, unfinished side of the slate in the up position, the tool's serrated upper jaw securely grips the unfinished surface to make a desirable chiseled cut look from the finished side every time.



Traditional Hand Cut Look



Slate Cutter



NSP1

This efficient hand punch makes a clean, recessed nail hole in 4 - 8 mm natural roofing slate. A big 2-1/2-inch (63 mm) throat depth allows convenient placement of the punch tip on the flat, unfinished side of the slate to create a desirable nail hole recess on the natural finished side as it punches through.



Clean Recessed Nail Holes



Slate Punch

See Page 61

Secure PEX to a wooden sub-floor or foamboard base quickly! New features include a magazine slide weight and wire form stand.

FBSN Foamboard Stapler



Easily secures 3/8" (9.5 mm), 1/2" (12.7 mm) & 5/8" (15.88 mm) "PEX" to 1" (25.4 mm) or 2" (50.8 mm) foamboard insulation. Weight for magazine slide ensures smooth magazine feed and uninterrupted stapling when laying out PEX. Sturdy, retractable wire-form stand allows stapler to stand upright when not in use or when reloading staples. **Compatibility:** Malco Foamboard Stapler and Staples (FBSN, FBSN1 & FBSN2) are compatible with most popular brands of foamboard stapling systems. Malco 1-1/2" (38.1 mm) staples are designed for 1" (25.4 mm) foamboard. Additional Barbs on 2 1/2" (63.5 mm) Staple "Double the Holding Strength" in 2" (50.8 mm) foamboard.

PWS1 PEX Stapler for Wood and Foamboard



Fast, one-handed, one-stroke staple insertion for wood sub floor or a foamboard base. Use PWS2 1-1/16 in. (27 mm) staples with the No. PWS1 Stapler to secure 3/8, 1/2 or 5/8-in (9.5, 12.7 or 15.9 mm) PEX to a wooden sub-floor. Weight for magazine slide ensures smooth magazine feed and uninterrupted stapling when laying out PEX. Sturdy, retractable wire-form stand allows stapler to stand upright when not in use or when reloading staples. **Compatibility:** The No. PWS1 Stapler also accepts staples for securing PEX to FOAMBOARD!

See Page 16-17

New!

Robertson® Style Square Pan Head Zip-in® Screws and Square Head Chuck Drivers!

Zip-in®-Rated #1

The best selling sheet metal screws worldwide are now "The Standard by which all other square head screws are judged!"



Size #2



Model Nos.
PS8X1/2Z
PS10X1/2Z
PS10X3/4Z

Insist on genuine Zip-in® Quality. "Look for the Dots!"

Robertson® Style Square Pan Head Zip-in® Screws

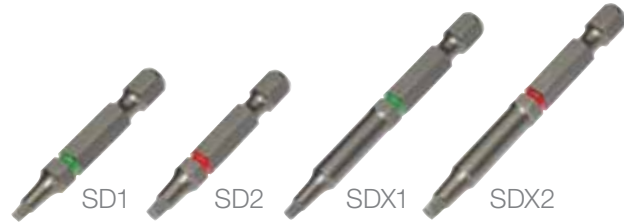
- Zip-in Screws are the best selling sheet metal screws worldwide. The fine-tapered, hardened Zip-in point and combination-lead thread immediately engage the metal and quickly seat the Zip-in head flush every time.
- A 36-year track record has shown the market-changing Zip-in screw to be superior at every turn. Zip-in is faster driving, with greater capacity for fastening heavier sheet metal, than any other self-piercing screw.
- Look for the dots! Trademarked and Patented Head Markings indicate one and only genuine Zip-ins. U.S. Patent No. D524,638

U.S. Patent No. D524,638

See Page 105



Robertson® Style Square Head Chuck Drivers



- Designed for Robertson® square head screws, including NEW Malco Square Pan Head Zip-in's screws for sheet metal.
- Square Head Chuck Drivers are Colored **Green (#1)** and **Red (#2)** for easy recognition, with sure torque when you need it most!
- Drivers will not slip, "cam out", when added torque is applied to install or remove screws.
- Power-Groove style, 1/4-inch hex shank is compatible with most corded or cordless drills and our popular line of CONNEXT™ interchangeable driver handles.

See Page 116

Easily fit this durable Driver Bit Pouch on your cordless or corded drill for convenient storage!



PD1

Cordless Drill & Bits not included.

- Easily store up to 4 driver bits of varying sizes.
- Securely attaches to most corded or cordless drills.
- Stays away from drill operation and keeps your sightline intact.

Malco's Driver Bit Pouch for most corded or cordless drills, allows bit storage on the motor housing for easy access. Four open-ended elastic slots accept 1/4-in. shank bits. Two large, durable elastic bands easily loop around most cordless or corded drills to hold the bit pouch securely in place. Long lasting 600 x 600D thread, nylon fabric construction fits flush to the drill housing and out of the way of the drill operation and sightlines.

See Page 129

TOOL KITS



QUALITY

“I’ll know it when I see it.”

It seems that we all ‘know’ or ‘feel’ somehow what quality should be.

What is abundantly clear, is that the best of a group of bad tools is not likely to be perceived as a quality tool.

At Malco, we pursue ideas that must comply with a three step formula for tool creation.

Form, Fit & Function.

Without any one of these three, our idea generation ends where it began.

On the drawing board.



Every professional tool kit features a FREE TB1 Tool Bag.

Open pockets as well as velcro and zippered entries accommodate on-the-job necessities including cell phones and MP3 players! An easy grip, lock-tight web handle and generous padded shoulder strap make this stylishly engineered bag easy to tote and a welcome alternative to heavier steel tool boxes, less durable plastic trays and boxes or catch-all bucket pouches.



Deluxe Starter Kit Redline



Catalog Number	Description
C5R	REDLINE Pipe Crimper 5 Blade
SL1R	REDLINE Snap Lock Punch
N1R	REDLINE Hand Notcher
S2R	REDLINE Hand Seamer
12F	Folding Tool
18	Divider
M2001	Aviation Snip - left cut
M2002	Aviation Snip - right cut
M2005	Bulldog Aviation Snip
M14N	14" (362 mm) Alum. Pattern Snip
AO	1/8" (6.35 mm) Scratch Awl
A1	7/32" (5.54 mm) Scratch Awl
SH3	Setting Hammer
T416M	1" x 16' Magnetic Tape Measure
W29	Hex Key Set

Catalog Number	Description
DB1	Dead Blow Hammer
DS2	Offset Duct Stretcher
MSH1/4	Hex Chuck
MSH5/16	Hex Chuck
L9M	Torpedo Level
HW8x1/2ZG	Zip-ins 100 pack FREE
TS1	TurboShear
HHD1S	1/4" (6.35 mm) Hex Driver Mag.
HHD2S	5/16" (7.9 mm) Hex Driver Mag.
TY4G	Tie Tool - Standard Grip
HC1	Hole Cutter
4MC24	Recip Blade 6L 24T
BT143X	Bit-Tips 100 pack FREE
RD6	6-in-1 Reversible Driver



Starter Kit Redline



Catalog Number	Description
C5R	REDLINE Pipe Crimper 5 Blade
SL1R	REDLINE Snap Lock Punch
N1R	REDLINE Hand Notcher
S2R	REDLINE Hand Seamer
12F	Folding Tool
18	Divider
M2001	Aviation Snip - left cut
M2002	Aviation Snip - right cut

Catalog Number	Description
M14N	14" (362 mm) Alum. Pattern Snip
A1	7/32" (5.54 mm) Scratch Awl
SH3	Setting Hammer
DS2	Offset Duct Stretcher
HW8x1/2ZG	Zip-ins 100 pack FREE
TS1	TurboShear
BT143X	Bit-Tips 100 pack FREE
HC1	Hole Cutter

Custom Kitting for Contractors and Trade Schools

Now you can build a custom tool kit that reflects your unique market or classroom needs.

**Build a Kit for Metal Roofing,
Fiber Cement Siding, HVAC,
Vinyl Siding and More!**



Here's How!

1. Specify a minimum of 6 different specialty hand tools up to a kit maximum of 20 different tools per bag.
2. Specify any quantity of custom assembled and packaged tool kits.
3. Your kit(s) are packaged in No. TB1 Soft-Sided Tool Bag.
4. Tool Kits also include a package card listing the kit contents.

- Personalized names in block lettering can be added to the package card at no additional charge. You can specify a company or school name and/or a list of student names for personalization when ordering a quantity for enrollees in a trade school or union JATC program.
- Cards co-branded with a company or school logo are available for a one-time service charge.

- **10% DISCOUNT ON SCHOOL ORDERS! All Malco Custom Kits purchased for school or student use receive a 10% discount off the quoted price.** A school purchase order must be placed with your Malco distributor for verification.
- MALCO WILL ASSEMBLE AND SHIP YOUR CUSTOM TOOL KITS WITHIN 3-DAYS OF RECEIPT OF A FIRM ORDER FROM YOUR MALCO DISTRIBUTOR.
- Ask your local Malco distributor for details and a quote.

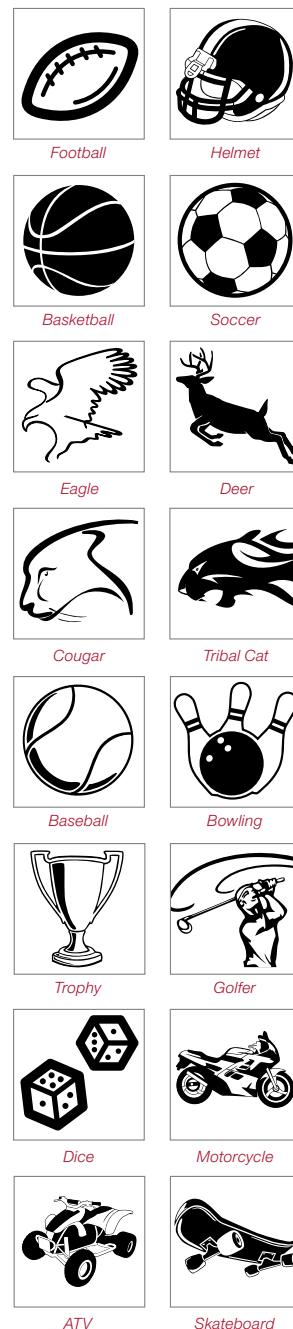


Identify with a Proven Winner

Personalization

Personalized identification is now available on select Malco hand tools!

- A choice of 16 graphics for use with a one-line personalized I.D., award dedication, company or school name.
- Personalized tools ship in standard packaging to avoid damage.
- Orders for options shown here are subject to a \$5.00 service charge per item and ship within 7-days of receipt of order.
- Maximum number of characters and spaces for personalization varies by tool and use of graphic.
- Graphics may be solid or outlined dependent on tool.
- *Personalized Options: One line for first name or identification with or without a graphic featured to the right.*



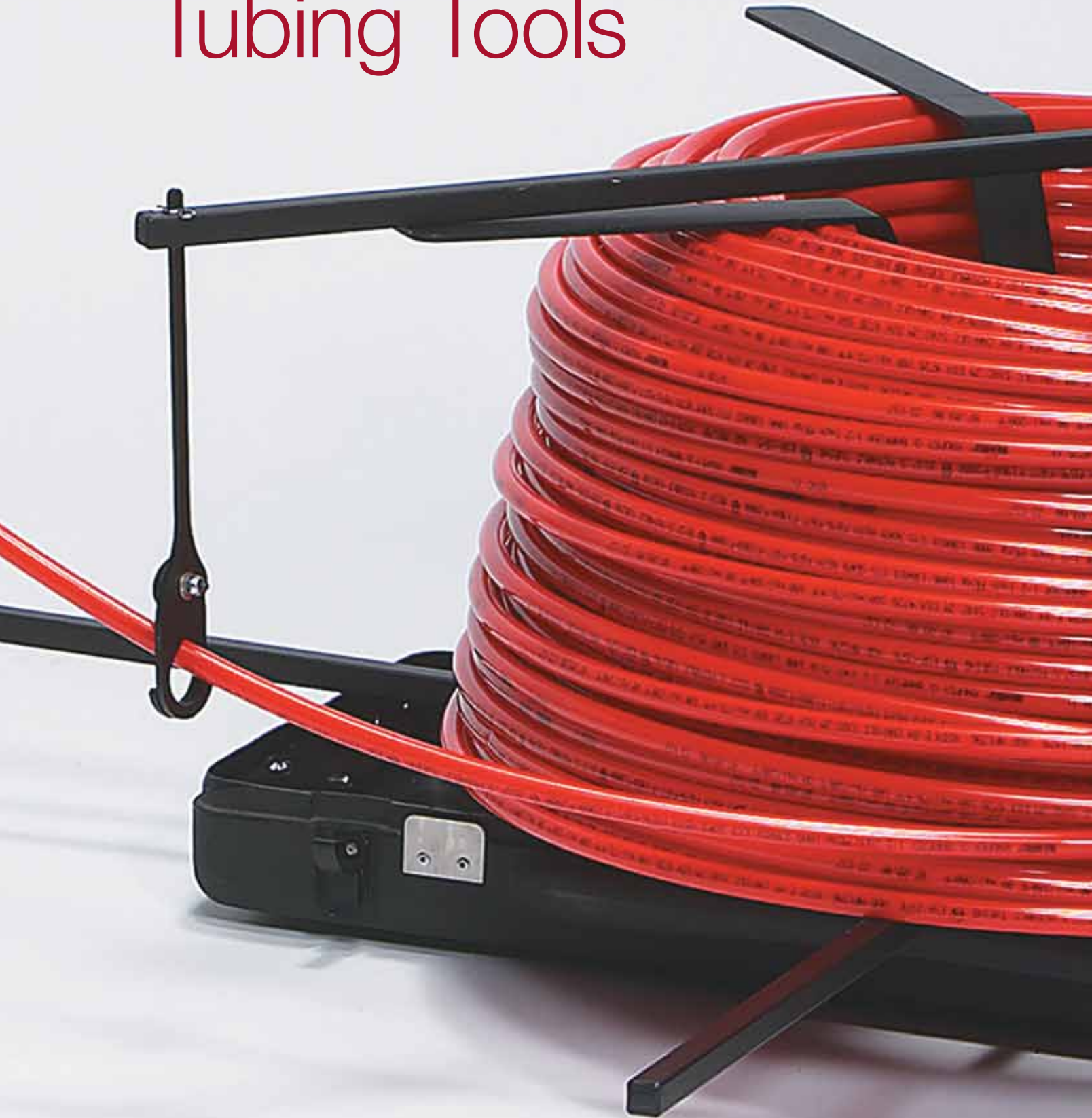
Malco

Go to www.malcotools.com and click on the contractor tab on the main page to complete your order online, or contact your local distributor.

Note: Only personalized products available for online ordering.

*Other graphics available upon request.
Licensed trademarks such as professional team logos are not available.

Radiant Heat & Tubing Tools



PEX Stapler

for wood or in-floor radiant heating installation.

New Design includes magazine slide weight and stand!

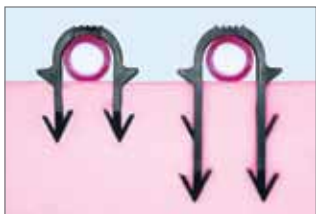


New slide weight and wire-form stand!



Fast, one-handed, one-stroke staple insertion for wood sub floor or a foamboard base. Use PWS2 1-1/16 in. (27 mm) staples with the No. PWS1 Stapler to secure 3/8, 1/2 or 5/8-in (9.5, 12.7 or 15.9 mm) PEX to a wooden sub-floor. Weight for magazine slide ensures smooth magazine feed and uninterrupted stapling when laying out PEX. Sturdy, retractable wire-form stand allows stapler to stand upright when not in use or when reloading staples.

Exclusive Staple Designs



Foamboard Staples No. FBSN1 & No. FBSN2

Dual-Barbed staples increase bite and holding power to secure 3/8" (9.5 mm), 1/2" (12.7 mm), 5/8" (15.9 mm) PEX to 1" (25.4 mm) or 2" (50.8 mm) foamboard insulation.

FBSN1: 1-1/2" (38.1 mm) staples are designed for 1" (25.4 mm) foamboard.

FBSN2: Additional barbs on 2-1/2" (63.5 mm) staples double the holding for 2" (50.8 mm) foamboard.



PEX to Wood Staples No. PWS2

PEX to Wood staples feature two .083 x 3/4-in. ring-shank stainless steel nails for superior pull strength in a wooden sub-floor. Use No. PWS2 1-1/8" (28.6 mm) Staples to secure 3/8", 1/2" or 5/8" (9.5, 12.7 or 15.9 mm) PEX layouts to a 3/4" (19.1 mm) wooden sub-floor.

Foamboard Stapler

for in-floor radiant heating installation.
New Design includes magazine slide weight and stand!



Modify your original Malco No. FBS or FBSN Foamboard Staplers for PEX to wooden sub-floor installation. Kit includes weight cylinder and easy instructions.

Easily secures 3/8" (9.5 mm), 1/2" (12.7 mm) & 5/8" (15.88 mm) "PEX" to 1" (25.4 mm) or 2" (50.8 mm) foamboard insulation. Weight for magazine slide ensures smooth magazine feed and uninterrupted stapling when laying out PEX. Sturdy, retractable wire-form stand allows stapler to stand upright when not in use or when reloading staples. **Compatibility:** Malco Foamboard Stapler and Staples (FBSN, FBSN1 & FBSN2) are compatible with most popular brands of foamboard stapling systems. Malco 1-1/2" (38.1 mm) staples are designed for 1" (25.4 mm) foamboard. Additional Barbs on 2 1/2" (63.5 mm) Staple "Double the Holding Strength" in 2" (50.8 mm) foamboard.

Specifications

Catalog Number	Description	Stapler Size in. (mm)	Staple Size in. (mm)
PEX Staplers			
FBSN	Foamboard Stapler	37"x11-1/4" x 2-1/2" (940x286x64)	—
PWS1	PEX to Wood Stapler	37"x11-1/4" x 2-1/2" (940x286x64)	—
PEX Staples			
FBSN1	1" (25.4 mm) Foamboard Staple (200 qty.)	—	1-1/2" (38.1)
FBSN2	2" (50.8 mm) Foamboard Staple (200 qty.)	—	2-1/2" (63.5)
FBS1BX	1" (25.4 mm) Foamboard Staple Box (300 qty.)	—	1-1/2" (38.1)
FBS2BX	2" (50.8 mm) Foamboard Staple Box (300 qty.)	—	2-1/2" (63.5)
PWS2	PEX to Wood Staples (for use in plywood)	—	1.125" (28.6)
PEX to Wood conversion (weight) kit for owners of original FBS / FBSN Foamboard Staplers			
PWSK1	Conversion Kit for Original FBS / FBSN Foamboard Stapler	—	—
Replacement Parts			
FBSNS	FBSN / PWS1 Wire-form stand (Note: Will work with Black Magazine Slide only.)	—	—
FBSNW	Magazine Slide Weight (Note: Will work with any model, including original No. FBS)	—	—

Pex Tubing Uncoiler

Use for hydronic in-floor radiant heating layout and for running potable tubing.



An optional Wheel and Handle Kit is also available.



**Fast Set-Up,
Easy Loading and
Dispensing.**

Accommodates all types of PEX tubing:
1000 ft. (305 m) of 3/8" to 1/2"
(9.5 to 12.7 mm) 500 ft. (152 m) of
5/8" to 1" (15.9 to 25.4 mm)



1000 ft. (305 m) x 1/2" (12.7 mm)



500 ft. (152 m) x 1" (25.4 mm)

EASY STEP BY STEP ASSEMBLY



Pex to Wire Tool

The lowest cost per connection for laying out a PEX in-floor radiant heating system on a wire grid!

SAFE TO USE
on all PEX to wire applications and all brands of PEX tubing from 3/8" (10 mm) to 5/8" (16 mm) diameters.



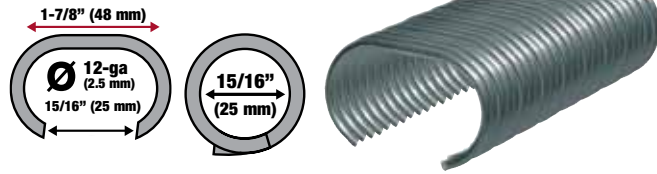
- Trouble FREE tool operation and secure clip connector.
- Easy-loading magazine with 25 clip capacity won't slow you down.
- 12-gauge (2.5 mm) clips will not jam, break or damage PEX.
- Clip connection allows some PEX movement to avoid abrasion.



PT1

PEX TO WIRE CLIPS
PC1

EASY STEP BY STEP LOADING



Specifications

Catalog Number	Description	Clip Usage	Length in. (mm)	Net Wt. oz. (g)
UC1	Pex Tubing Uncoiler in Case	—	—	—
UWK	Pex Tubing Uncoiler Wheel and Handle Kit	—	—	—
PT1	Pex to Wire Tool	PC1	10-3/8" (264 mm)	28 (794)

Pex to Wire Clips - 25 clips per strip

Catalog Number	Steel Type	For Tools	Crown in. (mm)	Opening in. (mm)	Inside Dia. in. (mm)	Thickness Ga. (mm)	Package Qty.
PC1	Pex to Wire Tool	PT1	1-7/8" (48 mm)	15/16" (25 mm)	15/16" (25 mm)	12 (2.5 mm)	500

A. Conforms to Federal Specification GGG-C771d 1-31-64. Type II, Class 1, Style B.

B. Conforms to Federal Specification GGG-C771d 1-31-64. Type II, Class 2, Amendment II.

Tube Cutters

Hard or Soft Copper^(A)



- Spare Cutting Wheel Included
- Ball Bearing Feed
- Flare Cut-Off Groove
- Retractable Reamer

For hard or soft copper tubing. Makes clean, right-angle cuts with no burrs or chips to clog tubing. Features ball bearing feed, flare cut-off groove, retractable reamer and spare cutting wheel. Rugged aluminum alloy body is designed for handling ease.

Ratchet Action



Self-Feeding Ratchet Motion

Self feeding ratchet motion for easy cutting in close quarters. Cuts copper, brass and aluminum tubing as well as thin walled conduit.

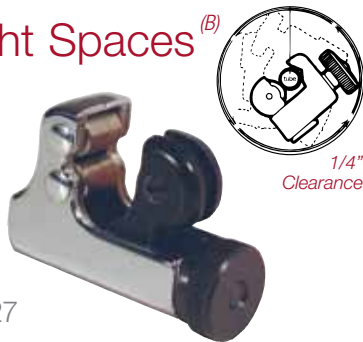
Spring Loaded



Fast Adjusting with Quick Release

Fast Adjusting with quick-open release after cutting. Cuts copper, brass and aluminum tubing as well as thin walled conduit.

Tight Spaces^(B)



TC127

1/4" Clearance for tight spaces

A handy tube cutter for cramped spaces so often encountered on installations or repairs. Only 1-11/16" x 1-15/16" x 7/8" (42.9 x 49.2 x 22.2 mm). Weighs only 2-1/2 oz. (71 g) A mere 1-1/4" (31.8 mm) clearance is all that is needed to operate the "Imp".

Double Rollers



TC174

Tubing pivots on double rollers.

Compact cutter requires only 1-15/16" clearance, yet accommodates tubing from 3/8" to 1-1/8" (9.5 to 28.6 mm) O.D. (1/4" to 1" Nominal). Cuts copper, aluminum or brass, thin wall tubing. Lightweight aluminum alloy body. Spare cutter wheel included with tool.

Sure Grip Tube Slicer



TC400

Ideal for use on PEX Tubing

Also produces cuts in ABS, PVC, rubber and fabric reinforced hose up to 1" (25.4 mm) I.D. Rigid, durable nylon handle design provides sufficient leverage when cutting so that only moderate hand pressure is required. Stainless steel cutting blade is resharpenable and replaceable.

Specifications

Catalog Number	Description	Cutting Outside Diameter in. (mm)	Replacement Part Numbers
RTC623	Medium Ratchet Tube Cutter	1/4 - 7/8 (6.4 - 22.2)	RW274
RTC829	Large Ratchet Tube Cutter	5/16 - 1-1/8 (7.9 - 28.6)	RW274
STC650	Spring Loaded Tube Cutter	1/4 - 2 (6.4 - 50.8)	RW274
RW274	Replacement Cutting Wheel	—	—



Spare Cutting Wheel

RTC623 / RTC829: Spare cutting wheel located on outside of handle.

STC650: Spare cutting wheel located under fold-away ream.

Catalog Number	Description	Tubing Outside Diameter in. (mm)	Nominal Sizes in.	Net Weight oz. (g)	Replacement Part Numbers
TC127	Tube Cutter	1/8 to 5/8 (3.2 to 15.9)	—	—	RW127, 127TCS
TC174	Tube Cutter	3/8 to 1-1/8 (9.5 to 28.6)	—	—	274TCS, 75046
TC312	Tube Cutter	1/4 to 1-5/8 (6.4 to 41.3)	—	—	274TCS, 75046, RW274
TC274	Tube Cutter	1/8 to 1-1/8 (3.2 to 28.6)	—	—	274TCS, 75046, RW274
TC400	Sure Grip Tube Slicer	—	—	5 (142)	RB400
RW127	Replacement Cutting Wheel	—	—	—	—
127TCS	Cutting Wheel Screw	—	—	—	—
RW274	Replacement Cutting Wheel	—	—	—	—
274TCS	Cutting Wheel Screw	—	—	—	—
RB400	Replacement Blade	—	—	—	—
75046	Cutting Wheel for Stainless	—	—	—	—

Flaring Tool



FT195

Bar Clamp Type

Flares 7 sizes of soft copper, aluminum and brass tubing. Forged steel slip-on yoke and hardened flaring bar. Yoke design permits flaring where there is little space between nut and tube end. Positive clamping of bars prevents tube slippage. Hard chrome-finished swivel-type cone makes better flares with less effort. Satin finish nickel-chrome plated. Conforms to federal specification GGG-G-451a, 6-13-68. Type II, Class II, Style A.

Die Block Type

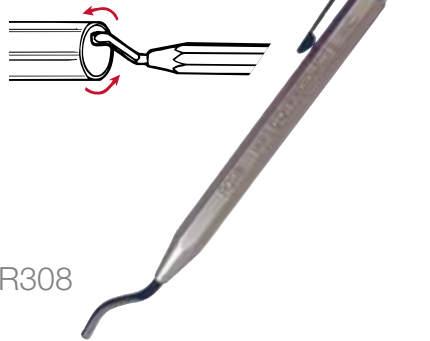


FT500

For soft copper, aluminum & brass

tubing. Faceted, hard chrome finished cone rolls out perfect 45° flares - then automatically burnishes flare face. Handy slip-on yoke permits use in tight quarters. Movable dies allow tubing to be slipped in easily. Heat treated dies grip tubing without scoring and the original tube wall thickness is maintained at base of flare. Satin chrome and black nickel finish.

Deburring Tool



R308

Pocket Size, swivel reamer

Pocket size reamer deburrs nominal 1/4" (6.4 mm) or larger tubing and fittings. Freely rotating, hardened steel blade holds its edge in both copper and ABS/PVC plastic. Under 6" (152 mm) overall length.

Swaging Punches



ST94



ST96

Combination Swaging Punches

Model No. ST94 features three sizes in one tool. (Knurled stock for easy removal of punch.)

Model No. ST96 features six sizes in one tool.

Fitting Brushes



For use with copper tubing

Carbon steel crimped fill handle and stem. Available in 3 different sizes.

Specifications

Catalog Number	Description	Tubing Outside Diameter in. (mm)	Nominal Sizes in.	Diameter in. (mm)	Length in. (mm)	Net Wt. oz. (g)
FT195	Bar Clamp Type Flaring Tool	3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8 (4.8, 6.4, 7.9, 9.5, 11.1, 12.7, 15.9)	1/8, 1/4, 3/8, 1/2	—	—	—
FT500	Die Block Type	3/16, 1/4, 5/16, 3/8, 1/2, 5/8 (4.8, 6.4, 7.9, 9.5, 12.7, 15.9)	1/8, 1/4, 3/8, 1/2	—	—	—
R308	Pocket Size, swivel reamer	—	—	—	—	—
ST94	Combination Swaging Punch	1/2, 5/8, 7/8 (12.7, 15.9, 22.2)	3/8, 1/2, 3/4	—	—	—
ST96	6 in 1 Swaging Punch	3/16, 1/4, 5/16, 3/8, 1/2, & 5/8 (4.8, 6.4, 7.9, 9.5, 12.7, 15.9)	—	—	—	—
FB1/2	Copper Tube Fitting Brush	—	—	1/2 (12.7)	5/8 (15.9)	1 (28)
FB3/4	Copper Tube Fitting Brush	—	—	3/4 (19.1)	7/8 (22.2)	1 (28)
FB1	Copper Tube Fitting Brush	—	—	1 (25.4)	1-1/8 (28.6)	1 (28)

Plumbers Roll

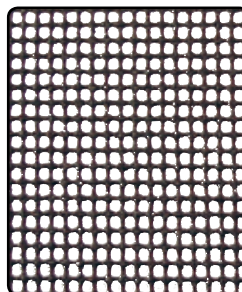


AC310
BROWN CLOTH
Closed coat, 120
grit alum. oxide.

Abrasive cloth specifically designed for cleaning and preparing solder joint fittings

Creates a bite on metal surface for solder or paint. Aluminum oxide cutting grain rates 9.2 on MO scale (diamond=10). Flexible cloth back fits contours of any surface configuration and hard to reach areas. Long lasting urea resin bonding is water resistant.

Abrasive Mesh



Actual Size of Weave

AC5M

180 grit open mesh cleans with both sides,

requires only light pressure, lasts twice as long as cloth. Scrim is nylon weave. Waterproof adhesive bonding. Will not clog, load or break down.

Fin Straightening Tools



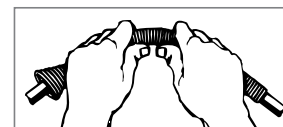
FST

FST2

Fin straightening tools with adjustable nylon combs

The FST tool straightens commonplace 8, 10, 12 or 14 fins per inch. Use the FST2 tool for straightening closely spaced 16, 18, 20 or 22 fins per inch. Both tools feature one-piece adjustable combs. The resilient nylon comb material will not damage the soft aluminum fins of condenser or evaporator units. Malco fin tools function by either pushing or pulling and efficiently straighten fins in tight quarters or where multiple passes over bent fins are required. Comfortable offset handles provide a sure grip and protect knuckles from scraping.

Tube Benders



Versatile and economical spring-style tube benders

These budget priced tools are for bending soft tubing to any shape without collapsing walls. The special spring steel is zinc finished. One end is flared for quick tube insertion and removal. The 5 convenient sizes can be used economically for many jobs.

** No. TB102K Tube Bender Kit is a 5 piece set including shown Tube Benders above plus 1/4" (6.4 mm) size.*

Specifications

Catalog Number	Description	Tubing Outside Diameter in. (mm)
AC310	1-1/2" x 10 yd. (38.1 mm x 9.14 m) brown roll	—
AC5M	1-1/2" x 5 yd. (38.1 mm x 4.57 m) mesh roll	—
FST	Fin Straightening tool for 8, 10, 12 or 14 fins per inch	—
FST2	Fin Straightening tool for 16, 18, 20 or 22 fins per inch	—
TB1026	Tube Bender	3/8 (9.5)
TB1028	Tube Bender	1/2 (12.7)
TB1020	Tube Bender	5/8 (15.9)
TB1022	Tube Bender	3/4 (19.1)
TB102K	Tube Bender Kit (<i>SEE NOTE ABOVE</i>)	—

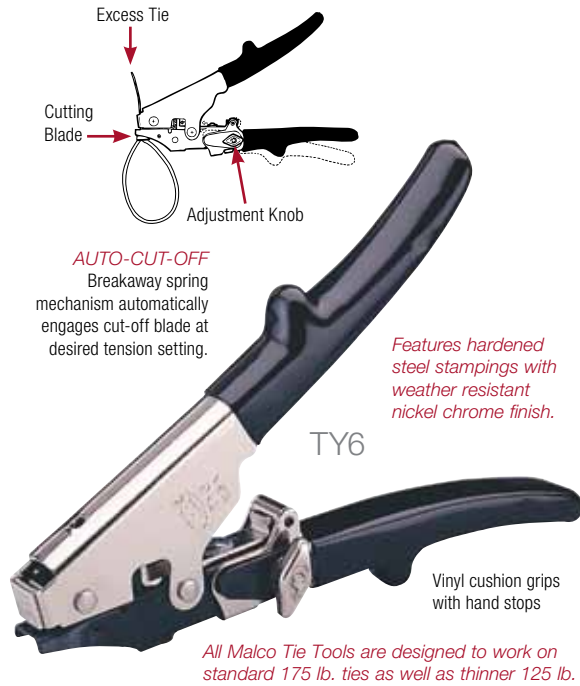


Fiberglass Duct Tools

Tensioning Tools

Adjustable

U.S. Patent No. 4,947,901 / No. 5,048,575



AUTO-CUT-OFF
Breakaway spring mechanism automatically engages cut-off blade at desired tension setting.

Features hardened steel stampings with weather resistant nickel chrome finish.



Tensioning Adjustment knob and automatic cut-off mechanism

Turn Adjustment knob clockwise to increase tension and counter clockwise to decrease tension. **CAUTION:** Do not over tighten adjustment knob with fingers. Adjust knob only with fingers to avoid breaking ties before cut-off occurs.

High leverage tensioning tool with auto cut-off, for continuous use on-the-job. The TY6 Tensioning Tool is designed for a heavy user of nylon ties. An adjustment knob allows installer to set desired tension for securing flex duct to a take-off collar. When the tie is tight, a breakaway spring mechanism releases the tool's lower handle, causing the blade to engage and automatically flush cut off the excess tail of the nylon tie. No extra operation for manual trimming is required. Nylon tie installation is fast and easy with the TY6. Works on all ties including thin designs.

Operating the TY6 is easy on the installer too! Contoured handles, with stops, are easier to grasp. Also, smooth lever action and vinyl cushion grips minimize hand and arm fatigue on big jobs.

The TY6 features a hardened steel body, long wearing parts, and a weather resistant nickel chrome finish to assure many years of dependable service.

Manual

These rugged lever action cut-off tensioning tie tools feature a unique notched gripper.

A clean black baked on enamel wrinkle finish will also weather the elements and stand up to abuse on-the-job. Comfortable handles reduce the pinch point area, and gray vinyl cushion grips are available on the model TY4G. Works on all ties including thin designs.

Nylon Ties



Use Malco adjustable nylon ties to install flexible duct to take-offs, or secure bundles, up to 15" (3.81 cm) diameter. Made of 100% nylon, Malco ties offer a minimal tensile strength of 175 pounds.



All Malco Tie Tools are designed to work on standard 175 lb. ties as well as thinner 125 lb. ties.

Specifications

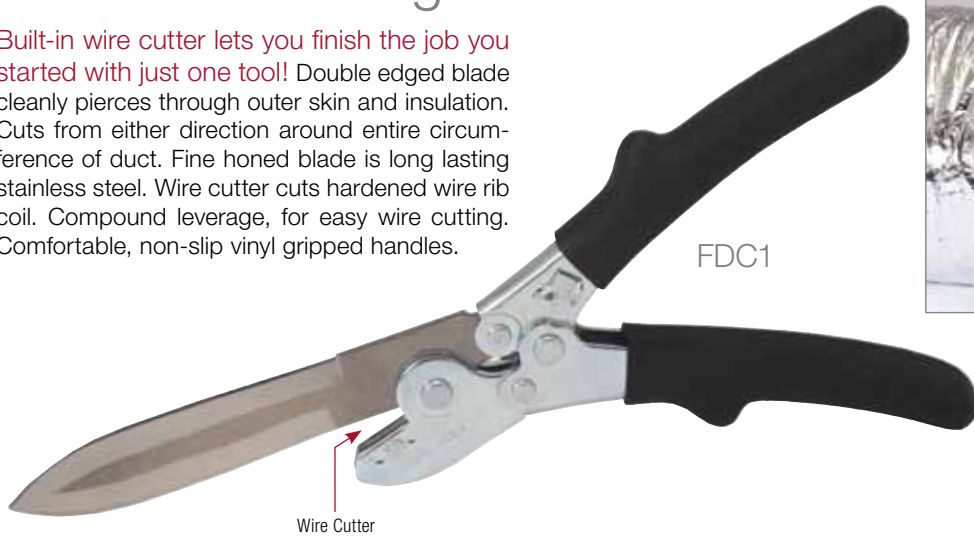
Catalog Number	Description	Adjustable Diameter in. (mm)	Length in. (mm)	Width in. (mm)	Net Wt. oz. (g)
TY6	High Leverage Tie Tool	—	8-1/2 (216)	—	15 (425)
TY4	Manual Cut-Off Tie Tool	—	6 (152)	—	10 (284)
TY4G	Manual Cut-Off Tie Tool /Gripped	—	6 (152)	—	11 (312)
TY34	Adjustable Nylon Ties	Up to 10 (254)	36 (914)	3/8 (9.5)	—
TY48	Adjustable Nylon Ties	Up to 15 (381)	48 (1219)	3/8 (9.5)	—

Cutter

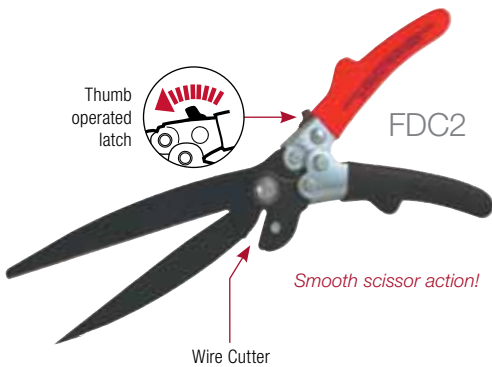
U.S. Patent No. 5,225,237

for Flexible Fiberglass Duct

Built-in wire cutter lets you finish the job you started with just one tool! Double edged blade cleanly pierces through outer skin and insulation. Cuts from either direction around entire circumference of duct. Fine honed blade is long lasting stainless steel. Wire cutter cuts hardened wire rib coil. Compound leverage, for easy wire cutting. Comfortable, non-slip vinyl gripped handles.



Flex Duct Shear



Thumb operated latch ensures that sharpened blade edges on the FDC2 stay closed when not in use.

Cuts insulated flexible round duct and also cuts the duct liner's wire rib coil. Pointed bottom blade easily pierces duct to start cut. Heavy duty wire cutter is located away from scissor blades. Thumb operated latch ensures that sharpened blade edges stay closed when not in use.

Multi-Purpose

Trim flex duct and tighten nylon ties with one tool!



The versatile FDC3 Flex Duct Tool is actually three tools in one! The finely honed double-edged knife blade cleanly pierces through the outer skin, insulation and liner construction of flexible round duct and cuts in either direction. A thumb-operated latch opens the tool's compound-leverage handles and the jaws of a built-in wire cutter to easily sever the exposed wire rib coil of duct liner. Use the tool's tie-tensioning mechanism to install a nylon tie strap and secure the flex duct take-off collar. With the handles of the FDC3 in the open position, a nylon tie can be threaded through the mechanism and then tightened by gently pumping the tool's handles. Use the wire cutter to trim excess tie strap tail. Trimming and installing flexible round duct is now as easy as one-two-three with Malco's FDC3 multi-purpose Flex Duct Tool.

Specifications

Catalog Number	Description	Blades / Wire Cutter	Variable Leverage Ratio (High / Low) throughout stroke	Length of Cut in. (mm)	Length in. (mm)	Net Wt. oz. (g)
FDC1	Flex Duct Cutter	High Carbon Steel	10.4 to 1.0 - 11.9 to 1.0 (Wire Cutter)	4 (102)	11-7/8 (302)	11 (312)
FDC2	Flex Duct Shear	—	10.4 to 1.0 - 11.9 to 1.0 (Wire Cutter)	4-3/8 (111)	12-1/4 (311)	13 (369)
FDC3	Multi-Purpose Flex Duct Shear	High Carbon Steel	10.4 to 1.0 - 11.9 to 1.0 (Wire Cutter)	4 (102)	11-7/8 (302)	14 (397)

Duct Knife

for Flex & Ductboard

Serrated edge aids cutting
"flex" fiberglass wool duct.



Puncture resistant nylon sheath included with DK6S cushion gripped knife.



DK6S

Ergonomic cushioned handle offers comfortable, sure grip.

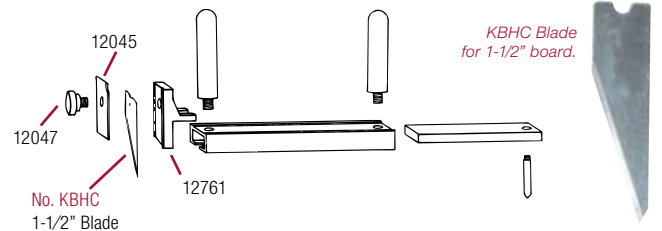
Hole Cutter

for Fiberglass Duct Board



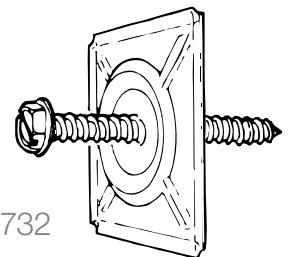
FG1

Makes precise holes in ductboard for flex duct take-offs. Supplied with standard double point utility knife blade for cutting 1 inch (25.4 mm) board. Use No. KBHC blade for 1-1/2 (38.1 mm) inch ductboard. Cuts 4" to 20" (102 to 508 mm) diameter holes in fiberglass ductboard. Operation is fast and easy. Cutter rotates counter clockwise on a center pivot punch. Durable extruded aluminum frame and engineering grade molded plastic and nylon components. Blade holder stores in body for safety and to protect blade from damage when not in use.



Washers

Fiberglass Ductboard washers
Reinforcement Washer
Use with #8 screw for fastening sheet metal components to fiberglass duct.



RW732

Specifications

Catalog Number	Description	Blade Length in. (mm)	Hole Diameter in. (mm)	Net Wt. oz. (g)
FG1	Fiberglass Duct Hole Cutter	—	4 to 20 (102 to 508)	7.5 (213)
KBHC	1-1/2" (38 mm) Ductboard Blade for FG1 (Also works on 1" (25 mm) ductboard.)	—	—	—
12045	FG1 Replacement Part (Blade Clamp)	—	—	—
12047	FG1 Replacement Part (Blade Knob)	—	—	—
12761	FG1 Replacement Part (Blade Holder)	—	—	—
RW732	2-1/2" x 2-1/2" x .030" (64 x 64 x 0.76 mm) galv. reinforced volcano washer with 7/32" (5.56 mm) dia. hole.	—	—	—
FLW	2-1/2" x 2-1/2" x .030" (64 x 64 x 0.76 mm) galv. reinforced volcano washer with 1/8" (3.18 mm) dia. hole.	—	—	—
DK6S	Cushioned Gripped Serrated Duct Knife	6 (152)	—	7 (199)

Ductboard Fabrication

Hand Tools | Square | Knives

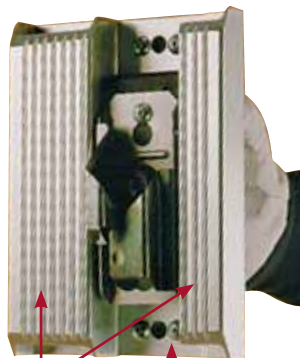
Lay out ductboard as you cut with a FasGroov® Kit.

Available in kits and single tools for professional fabrication of all brands of 1-in. (25.4 mm) or 1-1/2 in. (38.1 mm) ductboard.



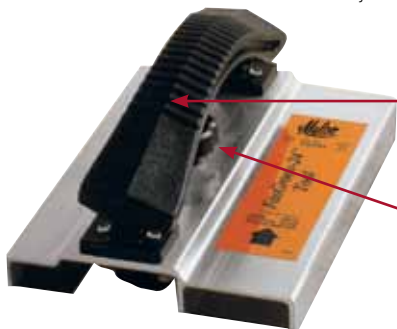
FasGroov® Hand Tools

Anodized aluminum sled-style tools for 1" (25.4 mm) and 1-1/2" (38.1 mm) ductboard.



Grooved Sled bottom for easy sliding.

Easy Blade Removal



Ergonomic molded handles reduce fatigue

Easy turn-the-knob blade height adjustment

Individual FasGroov® Knives

Safer to use with comfortable molded handles.

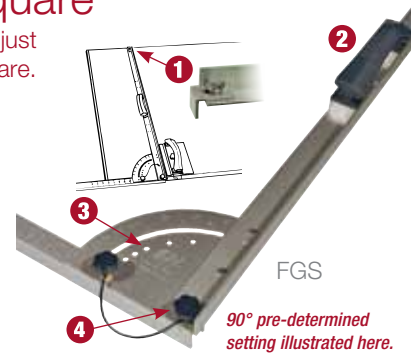
Male and Female Shiplap Knives for 1" (25.4 mm) and 1-1/2" (38.1 mm) ductboard can be used on closed duct sections. Duct Knife features a rounded scoring edge to cut fiberglass without tearing skin. Plus, Malco's No. FG1 Hole Cutter and a special 1-1/2" (38.1 mm) blade No. KBHC are available separately for creating flex duct take-offs.



FasGroov® Square

Easy-to-use, easy-to-adjust anodized aluminum square.

1. Adjustable "Finger" Clip allows user to finish cut accurately while arm is fully extended.
2. Five position Angle Arm Handle accommodates user's reach and holds square in alignment.
3. Adjustment slot for additional angles
4. Adjustment Pivot Knob



Specifications

Catalog Number	Description	Arm Length in. (m)
—	FasGroov Square	
FGS	Square	48.82 (1.24)
—	Shiplap Knives for 1" (25.4 mm) Board	
FGF	Female Shiplap Knife (Green)	—
FGM	Male Shiplap Knife (Blue)	—
—	Shiplap Knives for 1-1/2" (38.1 mm) Board	
FGFL	Female Shiplap Knife (Red)	—
FGML	Male Shiplap Knife (Yellow)	—
—	Ductboard Knife	
FGK	Duct Knife (Black)	—

Ductboard Fabrication

Kits

SILVER FasGroov® Kits for 1" (25.4 mm) Ductboard



Includes: FGV1, FGV24, FGV3, FGV5, FGS Square plus FGK, FGM and FGF Knives and #6 Tool FGV6 in Tool Case.

FGSLK Shiplap Kit-Silver Hand Tools



Includes: FGV1, FGV, FGV5, FGS Square plus FGK, FGM and FGF Knives and #6 Tool FGV6 in Tool Case.

FGVK Shiplap Kit-Silver Hand Tools

GOLD FasGroov® Kits for 1-1/2" (38.1 mm) Ductboard



Includes: FGL1, FGL24, FGL3, FGL5, FGS Square plus FGK, FGML and FGFL Knives in Tool Case. Order FGSLKLW for Shiplap Kit without Square.

FGSLKL Shiplap Kit-Gold Hand Tools



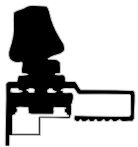
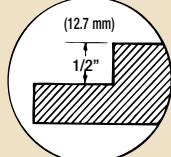
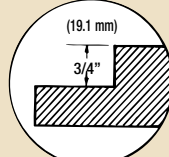
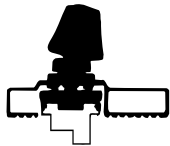
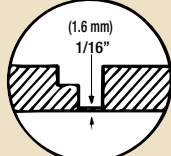
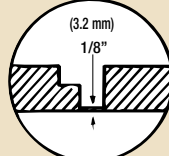
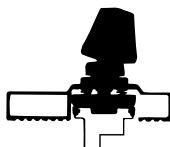
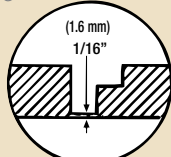
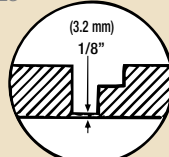
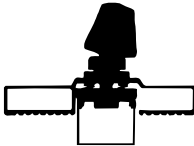
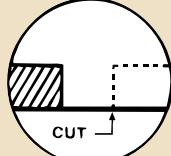
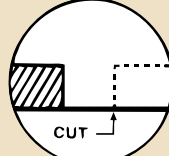
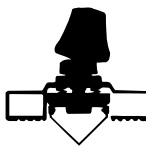
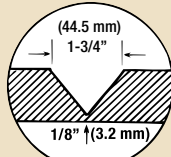
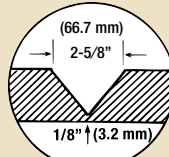
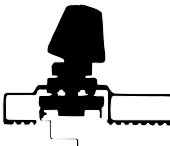
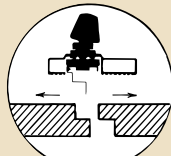
Includes: FGL1, FGLV, FGL5, FGS Square plus FGK, FGML and FGFL Knives in Tool Case.

FGVKL VEE Kit-Gold Hand Tools

Ductboard Fabrication

Tool Specifications

See Product Descriptions on page 27.

	COLOR	1" (25.4 mm) SILVER TOOLS	1-1/2" (38.1 mm) GOLD TOOLS
 #1 Female Shiplap	Grey	FGV1  FGV1RB*	FGL1  FGL1RB*
 #2/4 R. Hand Shiplap	Red	FGV24  FGV24RB*	FGL24  FGL24RB*
 #3 L. Hand Shiplap	Orange	FGV3  FGV3RB*	FGL3  FGL3RB*
 #5 Staple Flap	Blue	FGV5  FGV5RB*	FGL5  FGL5RB*
 Vee-Groove	Purple	FGV  FGVRB*	FGLV  FGLVRB*
 #6 Shiplap Trim Tool	Brown		(*) Replacement Blade

SILVER Kits for 1" (25.4 mm) Ductboard



Shiplap Kit #FGSLK - Silver Hand Tools



Shiplap Kit #FGVK - Silver Hand Tools

GOLD Kits for 1-1/2" (38.1 mm) Ductboard



Shiplap Kit #FGSLKL - Gold Hand Tools



Vee Kit #FGVKL - Gold Hand Tools

Use #6 Shiplap Trim Tool to shorten length of duct section, by measuring from outside edge of material to be scrapped. Available for 1" (25.4 mm) board only.

Catalog Number	Description	Replacement Blade Number
FGV6	#6 Shiplap Trim Tool	FGV6RB

Metal Duct Tools & Accessories



TurboXTools™



Drill Attachment for Fast Power Crimping!

Now make Fast, Easy & Precise Power Assisted Crimps in large or small diameter duct and pipe.



C5A
U.S. Patent No. 7,093,365

*Cordless Drill
Not Included.*



Use your existing drill to save time and effort crimping 24 to 30 ga. (0.71 to 0.41 mm) galvanized steel duct, spiral duct, aluminum pipe or (0.61 to 0.31 mm) black stove pipe!

The drive shaft of the CR Crimping Attachment inserts into the chuck of a minimum 14.4 Volt cordless or maximum 7 Amp A/C drill. A compact, telescoping clamp adjusts to fit both length and width of any size drill housing. The installed Crimper TurboXTool is easily operated with one hand. Set the drill at low forward drilling speed. A 9:1 gear reduction ensures safety and control.



The rotation of the meshing teeth on the adjacent gears drives the metal out the right side of the tool head. Use the throat depth line as a guide to control the length of the crimp.



Use the crimper depth adjustment lever, in the down position, to open gears for easy insertion and removal of metal. The narrow point of entry in the face of the tool prevents fingers from entering the gears that produce the crimp.



Start the crimp to the left of the duct or pipe lock-seam. With the lever in the up position, the maximum crimping depth is factory set for optimal results in 26 to 28 gauge (0.56 to 0.48 mm) galvanized steel. Back off the lever for lighter metals or re-adjust the maximum crimp, per operators manual, for heavier metals. A clutch in the gear mechanism prevents damage to the crimper attachment if seams are encountered that exceed crimper capacity.

Specifications

Catalog Number	Description	Drill Set-up	Crimping Capacity ga. (mm)	Net Wt. oz. (g)	Net Wt. lbs. (kg)
C5A	TurboXTools, Crimper Drill Attachment	Low Forward Drilling Speed	24 to 30 (0.71 to 0.41)	—	4.9 (2.22)
Replacement Parts					
TSDC	TurboShear Drill Clamp			8 (227)	—
TSCG	TurboShear Heavy-Duty Chuck Guard			—	.06 (0.03)

5-Blade Crimper



C5R



Longer, shallower crimps produced with the C5R result in a tighter fitting, more self supporting, leak-proof connection in sheet metal pipe & duct.

Easy Hand Motion and Greater Control:

A superior compound leverage mechanism offers maximum ease of operation. Comfortable opening, spring-actuated handles, give additional comfort and control. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel.

Longer Lasting Performance

Wear resistant, hardened steel construction throughout! Hardened steel also produces greater handle strength to resist abuse and collapsing. Nickel plating resists elements.

Offset Crimper



C6R

Ideal offset crimper for tight-working quarters or working over-head.

A unique blade design keeps handles offset and keeps hands off work obstacles such as floor joists and underlayments. The handle design also promotes correct gripping of tool resulting in less wrist fatigue. Long wearing steel components are nickel plated to resist elements. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel.

3-Blade Crimper



SC3R

Ideal for crimping heavy 24 to 22 gauge (0.71 to 0.86 mm) galvanized sheet steel.

Long wearing steel components are nickel plated to resist elements. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel.

Single Crimper



SC1

Fast, easy to use and lightweight. Handy lock makes tool pocket sized.

Rust-resistant, zinc plated steel construction with vinyl cushioned grips.

Specifications

Catalog Number	Description	Throat Depth in. (mm)		Variable Leverage Ratio (High / Low) throughout stroke		Jaws	Length in. (mm)	Net Wt. oz. (g)
C5R	5-Blade Crimper	1-5/8 (41.3)		6.6 to 1.0 - 8.7 to 1.0		Carbon Steel	9-5/8 (244)	17 (482)
C6R	Offset Pipe Crimper	1-5/8 (41.3)		-		Carbon Steel	-	16 (454)
SC3R	3-Blade Crimper	1-1/4 (31.8)		6.6 to 1.0 - 8.7 to 1.0		Carbon Steel	9 (229)	14 (397)
SC1	1-Blade Crimper	1-1/4 (31.8)		-		Carbon Steel	8 (203)	8 (227)
CAPACITIES		Material	Aluminum	Copper	Stainless Steel 26 Gauge	Galvanized Steel 24 Gauge	Mild Steel 24 Gauge	
C5R	inches (mm)	0.035 (0.89)	0.023 (0.58)	0.018 (0.46)	0.028 (0.71)	0.024 (0.61)		
C6R	inches (mm)	0.035 (0.89)	0.023 (0.58)	0.018 (0.46)	0.028 (0.71)	0.024 (0.61)		
SC3R	inches (mm)	-	-	0.024 (0.61)	0.034 (0.86)	0.030 (0.76)		

Replacement Spring for Hand Tools

5018	Fits C5R, C6R and SC3R
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Hand Notcher



Fast and easy cutting. Notcher makes a clean 30° “V” shaped cut in sheet metal.

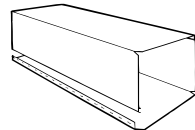
13/16” (20.6 mm) maximum throat depth. Upper cutting jaw is drop forged high impact alloy steel. Hook design of cutting jaw facilitates notching corners or take-off tabs to desired depth without slipping. Long-wearing, hardened stamped steel components feature rust resistant nickel plate and black oxide finishes. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel.

One-Inch Notcher

Provides more clearance for folding and fabricating metal ductwork



Snap Lock Punch



The N2R Notcher punches a big 1 inch (25.4 mm) deep “V” notch in common 24 to 30 (0.71-0.41 mm) gauge galvanized sheet metal quickly and easily.

Folding and fabricating metal ductwork is easier than ever with the full 1 inch clearance that the N2R single operation notcher provides. Precision-ground steel upper jaw and hardened stamped steel components feature rust-resistant black oxide and nickel plated finishes. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel.

Join sheet metal, duct and pipe sections economically.

No need for extra hardware. Punches raise a louvered shaped projection on metal edge for locking into rolled edge of sheet or piece to be joined. Metal pieces snap together and are fastened securely. Compound Handle Leverage for maximum ease of operation. Punch impression spaced 3/8” from edge of metal. Heavy forged cutting jaw. Rust resistant nickel plate and black oxide finishes. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel.

Specifications

Catalog Number	Description	Throat Depth in. (mm)	Variable Leverage Ratio (High / Low) throughout stroke	Jaws	Cutting Angle	Length in. (mm)	Net Wt. oz. (g)
N1R	Hand Notcher	13/16 (20.6)	7.4 to 1.0 - 8.0 to 1.0	Alloy Steel Forging / Carbon Steel Shell	30°	8 (203)	16 (454)
N2R	One-Inch Hand Notcher	1 (25.4)	6.6 to 1.0 - 7.0 to 1.0	Investment Casting / Carbon Steel Shell	—	—	17 (482)
SL1R	Snap Lock Punch	3/8 (9.5)	10.8 to 1.0 - 11.7 to 1.0	Alloy Steel Forging / Carbon Steel Shell	—	8 (203)	16 (454)

CAPACITIES	Material	Aluminum	Copper	Stainless Steel 26 Gauge	Galvanized Steel 24 Gauge	Mild Steel 24 Gauge
N1R	inches (mm)	0.035 (0.89)	0.023 (0.58)	0.018 (0.46)	0.028 (0.71)	0.024 (0.61)
N2R	inches (mm)	0.035 (0.89)	0.023 (0.58)	0.018 (0.46)	0.028 (0.71)	0.024 (0.61)
SL1R	inches (mm)	0.035 (0.89)	0.023 (0.58)	0.018 (0.46)	0.028 (0.71)	0.024 (0.61)

Replacement Spring for Hand Tools

5018	Fits N1R, N2R, SL1R
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Dampers

Hardware / Components

Malco 28 Gauge Dampers feature 1/4" (6.4 mm) bearings allowing bearing holes to be made in round duct with the use of a scratch awl. Squeeze pipe so that it is oval shaped. Insert damper into pre-punched bearing hole(s). Pipe will spring back to round when released. Secure with wing nut(s) provided. Damper may be adjusted with screwdriver or optional damper handle. Available with or without handles. See below.



D8HT100



D7HT100



D6HT100



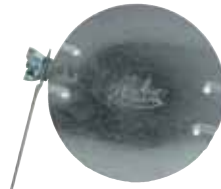
D5100



D6100



D6NA



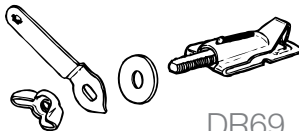
D4AST

Damper Regulator Hardware

- Fast installing hammer-on design.
- For use on 30-24 gauge (0.41-0.71 mm) galvanized steel.
- Standard 5/16" (8 mm) threads. / Packaged 12 sets per bag.
- **Note: Not for stove pipe:** Use only for air handling applications where temperature does not exceed 350°F (176°C).

Single Bearing / Spring Loaded:

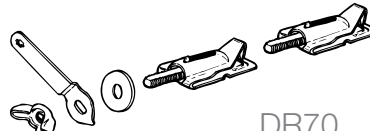
1-spring bearing / 1-inside washer / 1-handle / 1-wing nut



DR69

Double Bearing :

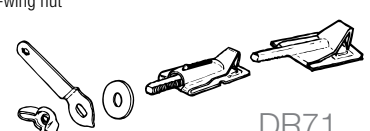
2-spring bearing / 1-inside washer / 1-handle / 1-wing nut



DR70

Double Bearing :

1-spring bearing / 1-fixed tip / 1-inside washer / 1-handle / 1-wing nut



DR71

Bulk Components



WN100
(100 pack) Wing Nuts



H1100
(100 pack) Damper Handles

Specifications

Catalog Number	Pipe Diameter in. (mm)	Bearing
Standard Dampers, including Wingnuts (Unassembled) 28 Gauge (0.48 mm) 100 packs		
D5100	5 (127)	single
D6100	6 (152)	single
D6HT100	6 (152)	double
D7HT100	7 (178)	double
D8HT100	8 (203)	double
Standard Dampers, including Wingnuts (Pre-assembled) 28 Gauge (0.48 mm) 100 packs		
D4AST	4 (102)	single
D5AST	5 (127)	single
D6AST	6 (152)	single
D7AST	7 (178)	single
D8AST	8 (203)	single
D6HTAST	6 (152)	double
D7HTAST	7 (178)	double
D8HTAST	8 (203)	double
Standard Damper, Handles & Wingnuts (Unassembled) 28 Gauge (0.48 mm) 100 packs		
D6NA	6 (152)	single



CAUTION: Malco Dampers are designed for forced air systems, they are not capable of being used in wood, coal, or other similar systems.

Duct Stretchers

Straight / Offset / Locking

Use the Duct Stretcher to hold duct in place with one hand while slipping drive cleat in place with other hand. *The low profile, straight body is designed to go anywhere, even in the tightest quarters.* Additional spacing holes allow wheels to be adjusted to span greater distances. Rugged anodized aluminum body features large vinyl cushion grip and handy hang-up hole.



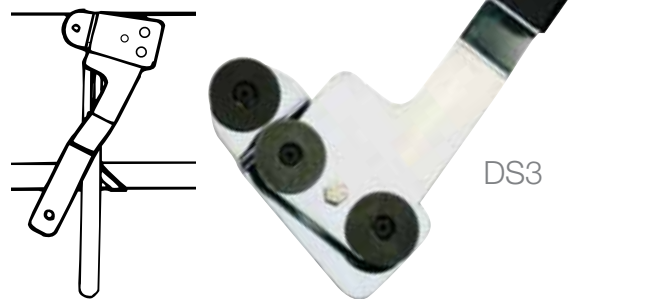
Straight and Offset Duct Stretchers



Model No. DS2 has the same unique features as model No. DS1 plus the angled bend of an offset handle to eliminate knuckle contact with metal.

Locking Duct Stretcher

Locks on from either side of duct connection



Model No. DS3 locking duct stretcher pulls duct sections together and holds them in place while freeing both hands to align and install drive cleats.

The DS3 locks on from either side of duct connection. No need to adjust wheels! Simply place wheel located on moveable cam to one side of adjoining duct flanges. Turn handle downward to pull duct sections together and lock in place. Greater wheel clearance makes capturing the ends of duct sections, even misshapen flanges, easier than ever. The versatile shape of the DS3 frame also lets you hook and pull duct from above as the drive cleat is coaxed along the remainder of flanged track. The durable all steel frame extends beyond wheel edges, making it safe to push, hammer and bend drive cleats as necessary to complete installation. An offset handle design eliminates knuckle contact with work.

Specifications

Catalog Number	Description	Length in. (mm)	Net Wt. oz. (g)
DS1	Duct Stretcher	16 (406)	12 (340)
DS2	Offset Duct Stretcher	16 (406)	12 (340)
DS3	Locking Duct Stretcher	12 (305)	30 (851)

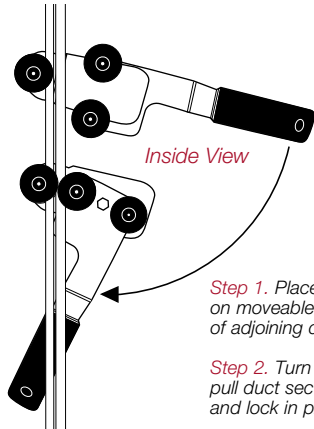
Replacement Parts for DS1, DS2 and DS3

DS1C Replacement wheels, nuts and screws (2 each)

Duct Stretchers

Pipe and Duct Holders

(continued....)
 Locking
 Duct Stretcher



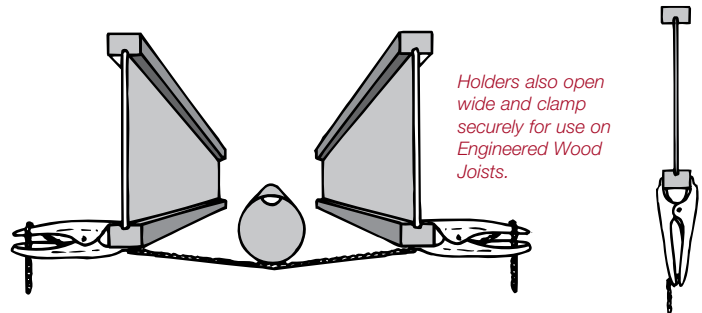
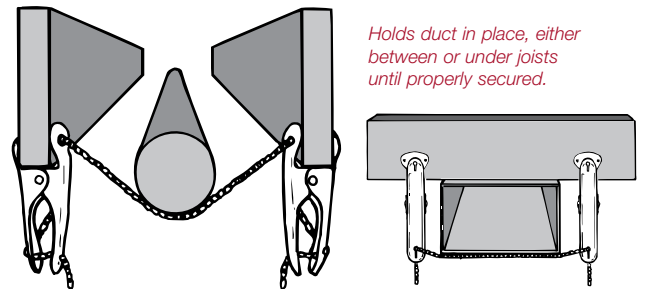
Step 1. Place wheel located on moveable cam to one side of adjoining duct flanges.

Step 2. Turn handle down to pull duct sections together and lock in place.



Like an extra pair of hands!

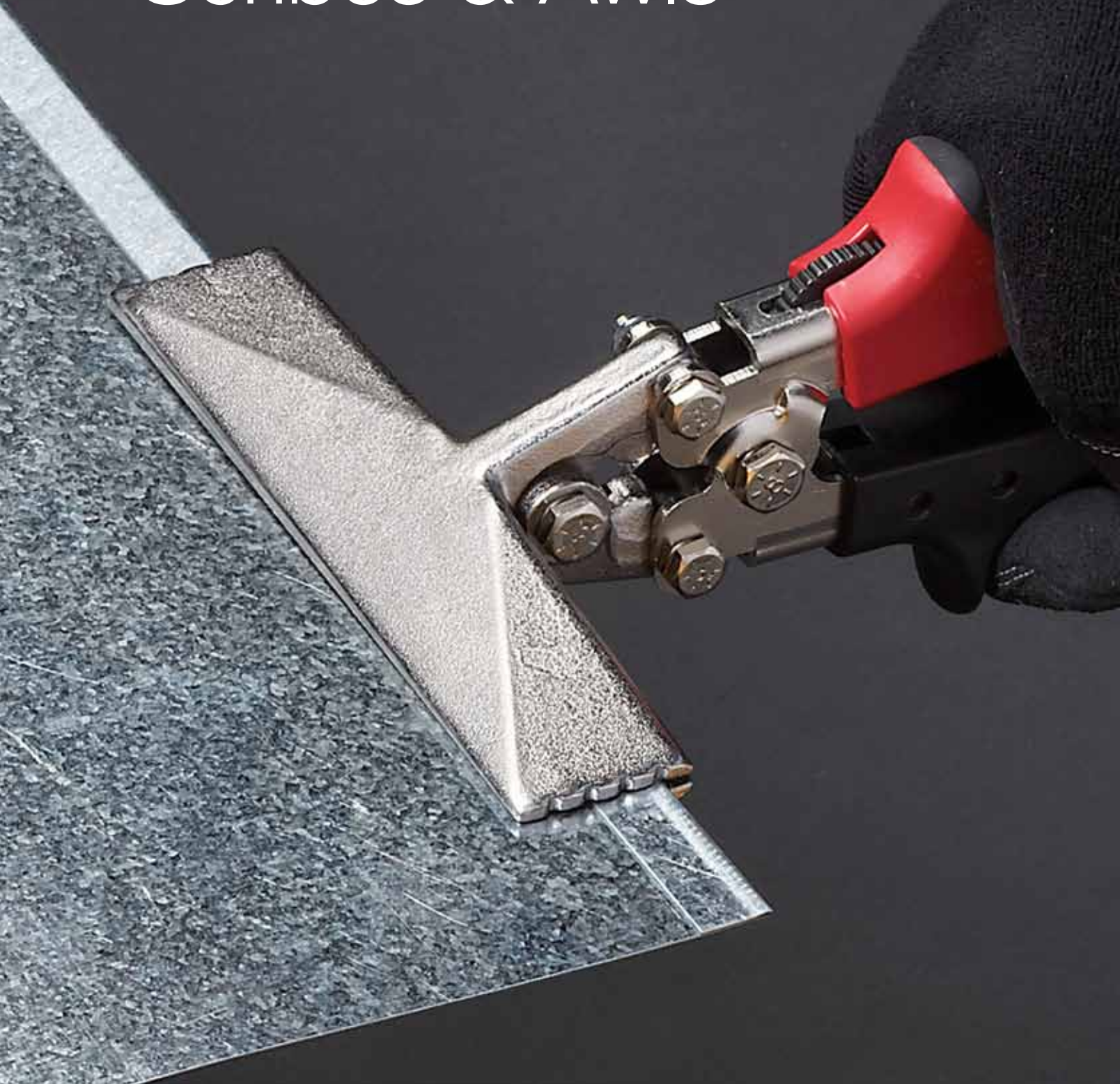
Two powerful clamps and four feet of 125 lb. tensile strength linked chain. 40 lbs. (18 kg) Maximum Workload. Set holds duct in place, either between or under joists until it is properly secured. Also ideal for installing fiberglass duct, link chain will not puncture foil skin. Clamps and chain are nickel plated steel.



Specifications

Catalog Number	Description	Chain Length ft. (M)	Tensile Strength lbs. (oz.)
2DH	1 pair of clamps and chain	4 (1.22)	125 (2000)

Metal Bending Tools, Scribes & Awls



Hand Seamers

Die-Cast Zinc Jaws
Not for use with steel



S5R
Compact 5" (127 mm) Jaws
with Big 2" (51 mm) Bending Depth

Die-Cast Zinc Jaws
Not for use with steel



S9R
Big 9" (229 mm) Jaws
with 2" (51 mm) Bending Depth

Easy Folding Bends without ruining paint finish!

Ideal for making clean and accurate angle bends for aluminum roof flashing, coil stock or fascia.

Jaws feature depth graduations in 1/4" (6.4 mm) increments to a maximum 2" (50.8 mm) bending depth. Lightweight die cast zinc jaws with compound handle leverage offer comfort and ease of use on-the-job, even when working from heights. Durable construction offers long, dependable service life under normal use. Tool also features rust resistant nickel plating. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel. Malco S5R and S9R seamers are not warranted for use as a striking tool or for use on ferrous sheet metal.

3" Hand Seamer

Forged Steel Jaws



S2R
3-1/4" (83 mm) Jaws

3" Offset Hand Seamer

Forged Steel Jaws



S3R
3-1/4" (83 mm) Jaws
with Offset Handles

6" Hand Seamer

Forged Steel Jaws



S6R
6" (152 mm) Jaws

Precise vee-notched depth graduations on jaws are in 1/4" (6.4 mm) increments.

Jaws are drop forged, high impact steel. Hardened steel handles resist abuse. Powerful compound leverage design. Tool also features rust resistant nickel plating. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel.

Model No. S6R features wide 6" jaws that produce uniform, accurate bends in sheet steel and non-ferrous metals with greater control and efficiency. Wider jaws also minimize buckling and bowing of metal. Fewer strokes are required to bend and straighten angles. Designed for all the metal trades, including HVACR installation, roofing and siding applications and commercial building and remodeling.

Specifications

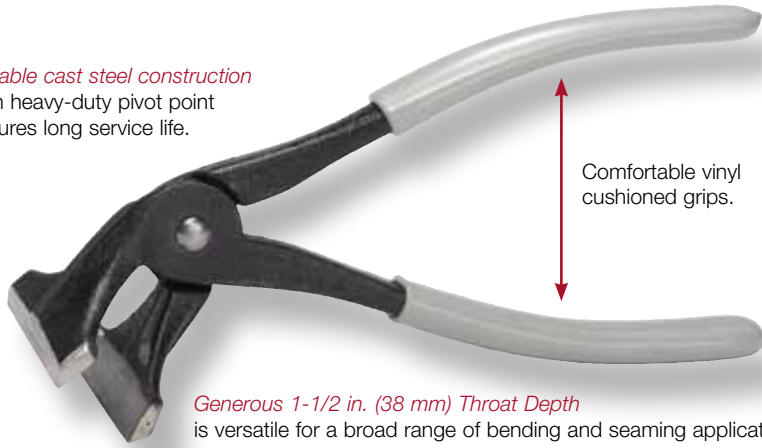
Catalog Number	Description	Jaw Depth in. (mm)	Jaw Width in. (mm)	Variable Leverage Ratio (High / Low) throughout stroke	Jaws	Length in. (mm)	Net Wt. oz. (g)
S5R	5" Hand Seamer	2 (50.8)	5 (127)	4.7 to 1.0 - 7.1 to 1.0	Die Cast Zinc	9 (229)	22 (624)
S9R	9" Hand Seamer	2 (50.8)	9 (229)	4.7 to 1.0 - 7.1 to 1.0	Die Cast Zinc	9 (229)	28 (794)
S2R	3" Hand Seamer	1-1/4 (31.8)	3-1/4 (83)	4.7 to 1.0 - 7.1 to 1.0	High Carbon Steel Forgings	8 (203)	24 (680)
S3R	3" Offset Hand Seamer	1-1/4 (31.8)	3-1/4 (83)	4.7 to 1.0 - 7.1 to 1.0	High Carbon Steel Forgings	8 (203)	24 (680)
S6R	6" Hand Seamer	1-1/4 (31.8)	6 (152)	4.7 to 1.0 - 7.1 to 1.0	High Carbon Steel Forgings	8 (203)	30 (851)
CAPACITIES		Material	Aluminum	Copper	Stainless Steel 26 Gauge	Galvanized Steel 24 Gauge	Mild Steel 24 Gauge
S5R / S9R	inches (mm)	0.029 (0.74)	—	—	—	—	—
S2R / S3R / S6R	inches (mm)	0.035 (0.89)	0.023 (0.58)	0.018 (0.46)	0.018 (0.71)	0.024 (0.61)	—

Replacement Spring for Hand Tools

5018 Fits All models on this page

Straight or Offset, styles for the way you work!

Durable cast steel construction with heavy-duty pivot point assures long service life.



Comfortable vinyl cushioned grips.



Vinyl-Gripped Jaws are non-marring.



Precision Ground Jaws with beveled nose make precise 135° bends.

Generous 1-1/2 in. (38 mm) Throat Depth is versatile for a broad range of bending and seaming applications.

Straight Seamer & Tongs



S10

Offset Seamer & Tongs



S11

Straight Seamer & Tongs

"Gripped Jaws"



SG10

Offset Seamer & Tongs

"Gripped Jaws"



SG11

Specifications

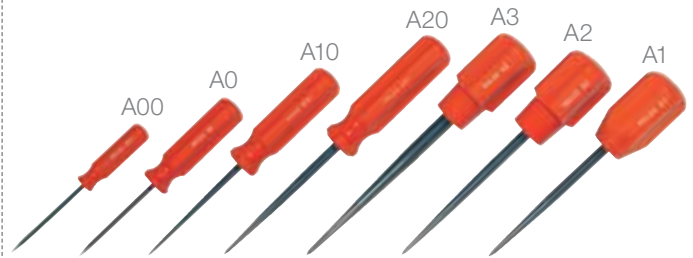
Catalog Number	Description	Throat Depth in. (mm)	Jaw Width in. (mm)	Overall Lgth. in. (mm)	Net Wt. oz. (g)
S10	Seamer & Tongs, Straight	1-1/2 (38)	3.5 (89)	9.25 (235)	46 (1,304)
SG10	Seamer & Tongs, Straight, Gripped Jaws	1-1/2 (38)	3.5 (89)	9.25 (235)	47 (1,332)
S11	Seamer & Tongs, Offset	1-1/2 (38)	3.5 (89)	9.5 (241)	46 (1,304)
SG11	Seamer & Tongs, Offset, Gripped Jaws	1-1/2 (38)	3.5 (89)	9.5 (241)	47 (1,332)

Adjustable Sheet Metal Scribe



Measure, mark and scribe trim lines on sheet metal in one easy operation. Set desired trim depth on the 1/8" (3.2 mm) graduated scriber extension and tighten knob. The stop at the end of the scriber sleeve glides along edge of work as a 6 x 3/8" sheet metal screw point scribes a clean, hard line. Adjustable from 1/4" to 12-1/2" (6.4 to 318 mm) depths. Rotate the scriber extension and knob end to end for depths larger than 6-1/2" (165 mm). The use of a common sheet metal screw makes point replacement practical and economical. Pocket size tool is constructed of rust resistant nickel plated steel. Knob assembly with hardened steel bolt insert will not strip out.

Multi-Material Scratch Awls



Use to scribe lines on metal, plastic and a variety of other materials. Pierce holes in wood, plastic, leather, - even light gauge metal. Blades are high carbon, alloy tool steel fully polished to resist rust. Blade tapers to a fine point and may be resharpened many times. Easy-to-spot orange handles are shock and shatter resistant. Shallow fluted handles with large end bearing surface provide a sure, comfortable grip. User has choice of large diameter or regular grip handles.

Fast Adjusting Scribers



Accurate and fast adjusting. Two sizes for circles up to 32" (81 cm) and 42" (107 cm). Points are easily resharpened or replaced. Nickel plated steel body.

Carbide Tipped Scribe



Carbide Tipped Scriber Always a Sharp Point.

Solid carbide tip for scribing fine lines on hardened steel as well as glass, ceramics, plastics or sheet metal. Retractable tip is easily replaceable. Tool has handy pocket clip. Carbide tip assures long service.

Expandable Trammel Points



Two sizes handle a variety of layout applications. The TR42 expands to a big 42" (107 cm) radius (84" diameter). The compact TR18 expands to 18" (46 cm) and stores in most tool boxes. All steel construction. Points are resharpenable and also replaceable. Telescoping arms are nickel plated to resist corrosion. Handle features a comfortable vinyl grip.

Pocket Sized Sheet Metal Scribe



Scribe commonplace trim lines on galvanized sheet metal quickly and accurately. Ten pre-set scribing depths from 1/8" to 1" (3 to 25 mm). Each scribing depth size features a dual edged point to create clean, readable and accurate score lines parallel to the edge of the metal sheet. Corrosion resistant finish and etched-in dimensions are readable for life of tool.

Specifications

Catalog Number	Description	Radius Min. in. (mm)	Radius Max. in. (mm)	O/A Storage Length in. (cm)	Min. / Max. Adjustments in. (mm)	Length in. (cm)	Net Wt. oz. (g)	Replacement Parts
A60	Adjustable Sheet Metal Scriber	—	—	—	1/4" to 12-1/2" (6.4 to 318)	—	10 (284)	12027
TR18	18" Trammel Point	7 (18)	18 (46)	12 (31)	—	—	4 (113)	TRP
TR42	42" Trammel Point	12 (30)	42 (107)	24 (61)	—	—	7 (199)	TRP
A50	Carbide Tip w/ retractable point	—	—	—	—	—	10 (284)	A50R
#18	Divider Max. diameter circle 32 (813)	—	—	—	—	11 (28)	7 (199)	RP2 / 10018
#24	Divider Max. diameter circle 42 (1067)	—	—	—	—	13-1/2 (34)	9 (255)	RP2 / 10018
A40	Scribing Depths in. (mm)	—	—	—	—	—	—	—
		1/8", 3/16", 1/4", 5/16", 3/8", 1/2, 5/8", 3/4", 7/8", 1" (3.2, 4.8, 6.4, 9.5, 12.7, 15.9, 19.1, 22.2, 25.4)						
		Nominal Blade Diameter in. (mm)		Blade Length in. (mm)		O/A Length in. (mm)		
A00	Regular Grip Handle Scratch Awl	1/8 (3.2)		3 (76)		5-1/2 (140)		
A0	Regular Grip Handle Scratch Awl	1/8 (3.2)		3 (76)		6-1/4 (159)		
A10	Regular Grip Handle Scratch Awl	3/16 (4.8)		3-3/4 (95)		7 (178)		
A1	Large Grip Handle Scratch Awl	7/32 (5.6)		3-1/2 (89)		5-3/4 (146)		
A20	Regular Grip Handle Scratch Awl	1/4 (6.4)		4 (102)		7-3/4 (197)		
A2	Large Grip Handle Scratch Awl	1/4 (6.4)		4 (102)		6-1/4 (159)		
A3	Large Grip Handle Scratch Awl	3/8 (9.5)		5 (127)		7-1/2 (191)		

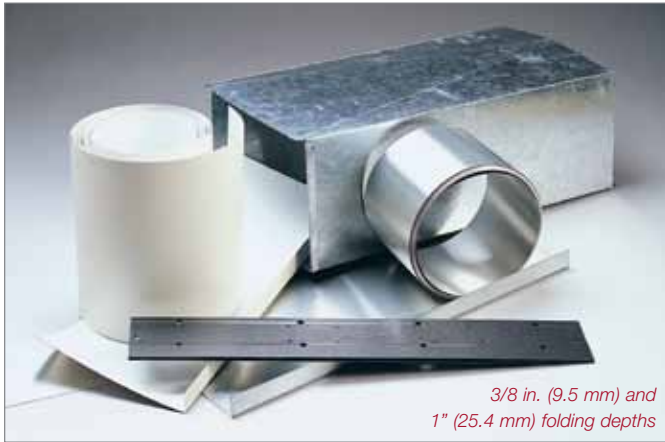
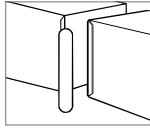
Replacement Parts

A50R Replacement Carbide Tip for A50 / 12027 Replacement Knob for A60 / TRP 1 pair replacement points for TR18 - TR42 / RP2 Replacement points for #18 - #24 / 10018 Thumb Screw for #18 - #24

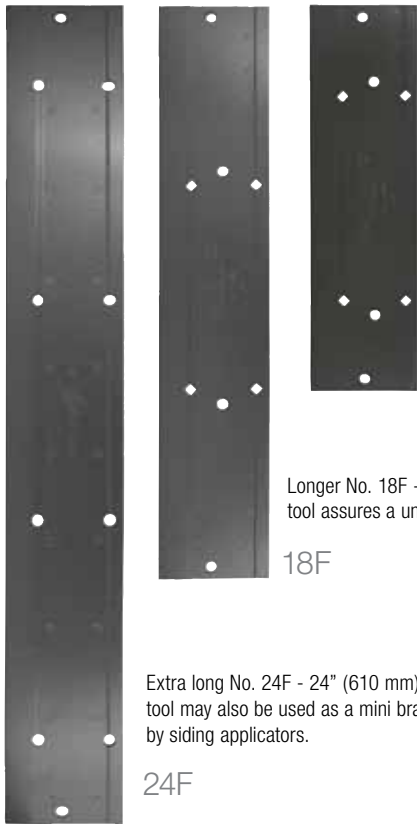
Hand Held Folding Tools

Standard

Folding seams are formed from two steel halves, permanently joined together. Handy sight holes assure proper depth alignment.



3/8 in. (9.5 mm) and 1" (25.4 mm) folding depths



No. 12F - 12" (305 mm) long tool is *ideal for HVAC applications* such as 3/8" (9.5 mm) folds for drive cleats and big 1" (25.4 mm) deep folds for joist panning, plenums, register boots, trunk line end caps and more.

12F

Longer No. 18F - 18" (457 mm) tool assures a uniform fold.

18F

Extra long No. 24F - 24" (610 mm) tool may also be used as a mini brake by siding applicators.

24F

Adjustable

Quickly adjusts from 1/4" (6.4 mm) to 1-1/2" (38.1 mm) folding depths

Model No. 9A Adjustable Folding Tool easily folds edges of aluminum siding, trim coil and lighter gauges of sheet metal up to 26 gauge (0.56 mm). The 9A quickly adjusts from 1/4" to 1-1/2" (6.4 mm to 38.1 mm) folding depths in 1/4" (6.4 mm) increments. The adjustment mechanism is completely hand operated; there are no loose parts or extra tools to contend with. A compact 3-1/4" x 9" (83 x 229 mm) size provides easy leverage for any folding depth.



The tool also features a handy hang hole for workbench applications, or stores easily in a tool box. Fully hardened steel plate construction and corrosion resistant black zinc coating assures long service life.



9A



Folds trim coil and aluminum siding.

Folds galvanized sheet metal up to 26 gauge (0.56 mm).

Specifications

Catalog Number	Description	Folding Depths in. (mm)	Width in. (cm)	Net Wt. oz. (g)
12F	12" Folding Tool	3/8 (9.5), 1 (25.4)	12 (31)	20 (425)
18F	18" Folding Tool	3/8 (9.5), 1 (25.4)	18 (46)	31 (879)
24F	24" Folding Tool	3/8 (9.5), 1 (25.4)	24 (61)	42 (1191)
9A	9" Adjustable Folding Tool	1/4 to 1-1/2 (6.4 to 38.1)	9 (23)	19 (539)

Mini-Brake™

Compact & Portable



Makes bends to 135 degrees in galvanized sheet steel up to 22 gauge (0.86 mm). A beefed-up 1/4" (6.4 mm) plate steel apron and 4' (1.22 m) metal width capacity makes the Mini Brake ideal for fabricating plenums or large transitions at the job site.

Compact size makes the Mini Brake suitable for use virtually anywhere on the job site. Extra wide feet offer stability even when operating on a truck tailgate.



MB48A

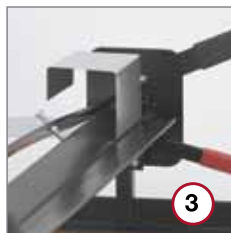
- ① A 1/4" (6.4 mm) plate steel apron and adjustable strengthening ribs on anvil assure uniform bends across width of material. Common 5/16" course-thread adjustment bolts on anvil are factory set and are also easily adjustable in the field as necessary.
- ② Accommodates sheet metal up to 4-feet (1.22 m) wide in any length. There is no fixed throat depth to contend with.
- ③ Versatile bending range accommodates compact fabrications as small as a 4-inch (102 mm) square.
- ④ The Mini Brake also bends metal roofing components and roof flashing including copper and aluminum.
- ⑤ Dual-direction, cam-over style clamps keep anvil secure in any position. This safety conscious feature prevents anvil from free falling or creating a pinching hazard.



①



②



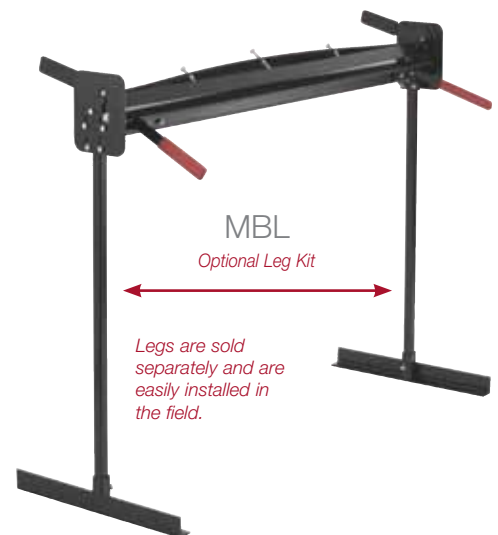
③



④



⑤



MBL

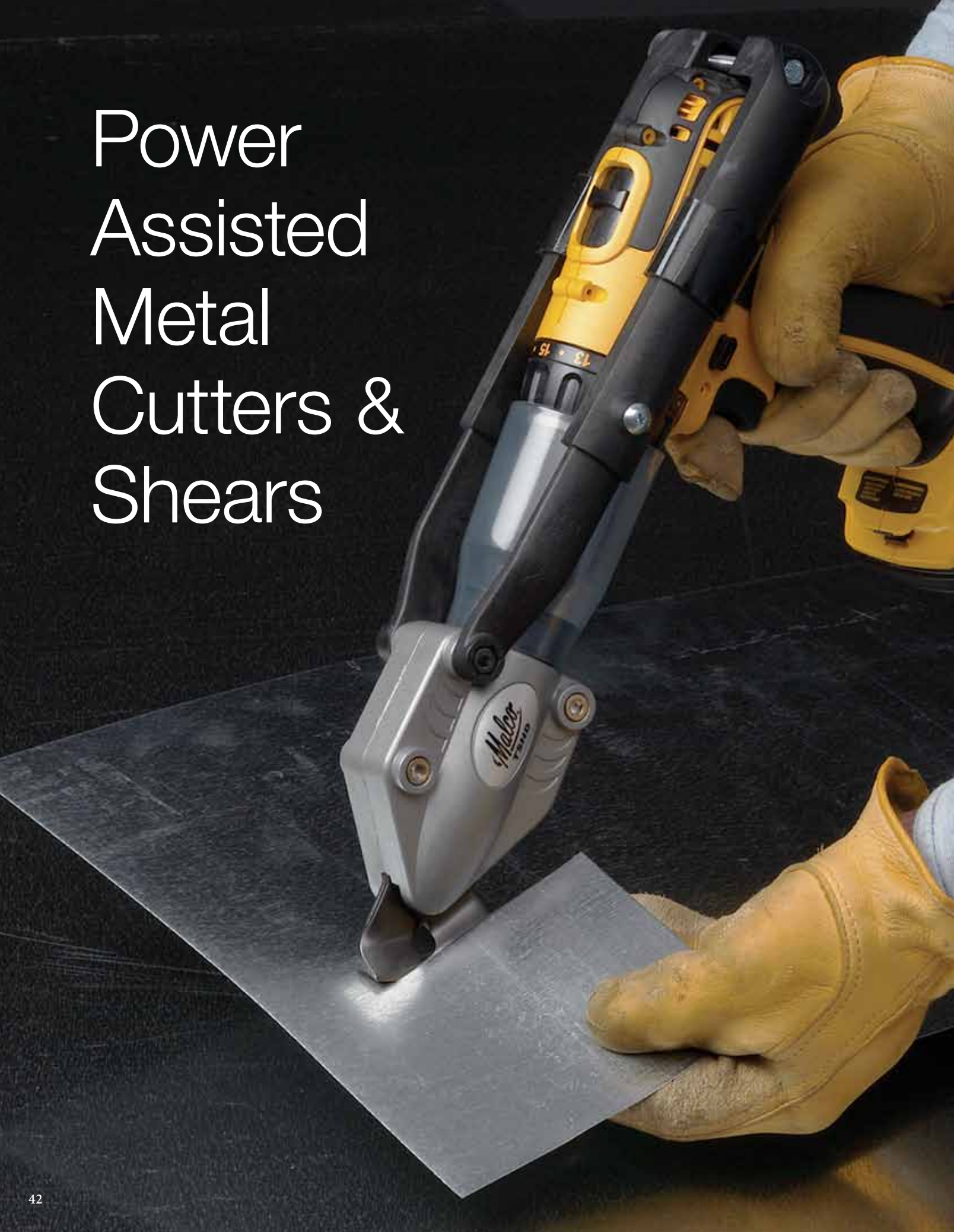
Optional Leg Kit

Legs are sold separately and are easily installed in the field.

Specifications

Catalog Number	Description	Minimum Hem Bending Depth in. (mm)	Width. ft. (M)	Net Wt. lbs. (kg)
MB48A	Mini-Brake	1/2 (12.7)	4 (1.22)	72 (32.66)
MBL	Leg Kit	—	—	18 (8.17)
CAPACITIES	Material	Stainless Steel 24 Gauge	Galvanized Steel 22 Gauge	Mild Steel 22 Gauge
MB48A	inches (mm)	0.024 (0.61)	0.034 (0.86)	0.030 (0.76)

Power Assisted Metal Cutters & Shears





Versatile for a variety of metal work, including HVAC, Metal Roofing and Metal Studs.

Gold Standard

Hole Cutters and Cutter Bits

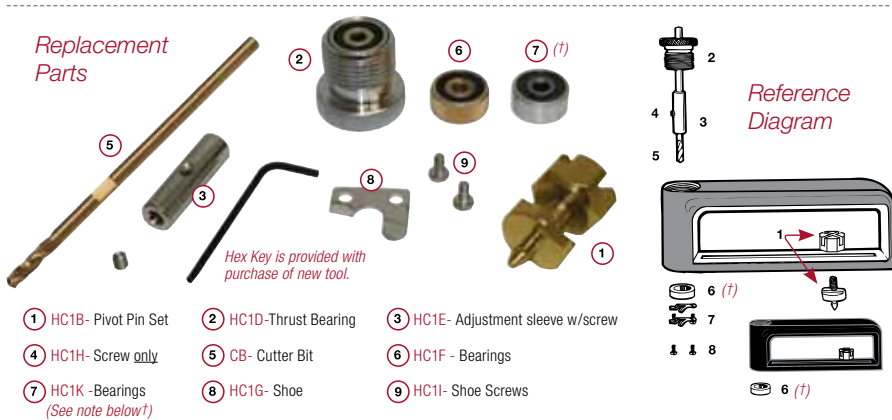


HC1
2"-12" (51-305 mm) Dia.

HC2
2"-20" (51-508 mm) Dia.

Longest Lasting | Fastest Cutting Operation | Easiest Adjusting

Distinctive gold Bits, Bearings and Pivot Pin signify the longest lasting, fastest cutting, easiest adjusting solution for cutting holes in sheet metal. Malco Hole Cutters quickly install into the chuck of any corded or cordless drill as small as 1/4" (6.4 mm). Lightweight aluminum frames make these accessories extremely portable for a variety of hole cutting applications in sheet metal including 20-gauge (1.02 mm) galvanized steel. A compact model HC1 Hole Cutter is adjustable for making 2 to 12" (51 to 305 mm) diameter holes. The larger HC2 model cuts 2 to 20" (51 to 508 mm) holes. A combination English/Metric diameter gauge is included on the adjustable pivot slide for both models and both models use the same mill-type Cutter Bit and replacement parts.



Replacement Parts

- ① HC1B- Pivot Pin Set
- ② HC1D- Thrust Bearing
- ③ HC1E- Adjustment sleeve w/screw
- ④ HC1H- Screw only
- ⑤ CB- Cutter Bit
- ⑥ HC1F- Bearings
- ⑦ HC1K- Bearings (See note below†)
- ⑧ HC1G- Shoe
- ⑨ HC1I- Shoe Screws

Reference Diagram



Works well with HC1 and HC2 Hole Cutters. May be used to help cut take-off holes in sheet metal ductwork suspended below floor joists or for take-offs from the side of large trunk lines where reaching up and cutting at 90° is desirable.



Fits 1/2" and 3/8" (12.7 and 9.5 mm) electric drills. Comes with own chuck.

Specifications

Catalog Number	Description	Hole Diameter in. (mm)	Net Wt. oz. (g)
HC1	Hole Cutter	2-12 (51-305)	16 (454)
HC2	Hole Cutter	2-20 (51-508)	22 (624)
HCAD	Angle Drive Accessory	—	20 (567)
CB*	Mill Type Cutter Bit (Single)	—	—
CBB*	Mill Type Cutter Bit (6 pack)	—	—
CB100*	Mill Type Cutter Bit (100 tub)	—	—

CAPACITIES	Material	Aluminum	Copper	Stainless Steel 22 Gauge	Galvanized Steel 20 Gauge	Mild Steel 20 Gauge
HC1 / HC2	inches (mm)	.054 (1.37)	.042 (1.07)	.030 (0.76)	.040 (1.02)	.036 (0.91)

† The only replacement part that is not interchangeable for all hole cutters is the bottom bearing. Early casting (GRAY) will take HC1F, NEW casting (BLACK) will take HC1K. High Speed Steel * Recommended RPM 1350



TurboShearHD™

Long lasting blades make fast, smooth trim cuts and tight left circular or square cuts in metal ductwork and metal roofing and building panels.



TSHD
U.S. Patent No. 7,093,365

Cordless Drill
Not Included.



Applications:

Metal Roofing | Building Panels | Metal Ductwork Stone Coated Metal Shingles | Furnace Jackets

- Lightweight Shear head for easy one-hand control.
- No. TSDC Drill clamp included for one-hand operation.
- Jaw opening navigates tight curve patterns, squares, mild profiles, layered metal & seams.
- 18-Gauge capacity.
- Blind cuts require a 1/2" (13 mm) starting hole.
- Minimum 14.4 volt 3/8" (9.53 mm) Cordless or Coded Drill required.

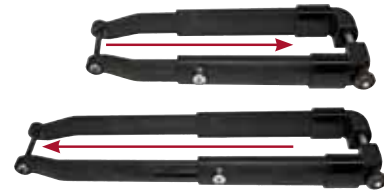
*Telescoping Drill Clamp
adjusts to fit any corded or
cordless drill, including compact
Lithium-ion models.*

Streamlined Design



1. Wider-opening jaws
2. Long-life, dual ball bearings
3. Non-slip flats on drive shaft.

**Easy
to Use!**



Optional on No. TS1.
Comes packaged with No. TSHD

TSDC

TurboShear™

THE Original



TS1

Makes your Corded or Cordless drill
a POWER SHEAR INSTANTLY!

Applications:

Metal Ductwork | Furnace Jackets

- Requires two (2) hands to operate.
- Optional Drill clamp No. TSDC available for one-hand operation.
- Blades cut straight and to the left.
- Minimum 14.4 volt 3/8" (9.53 mm)
Cordless or Corded Drill required.
- Jaw opening navigates tight curve patterns & squares.
- Blind cuts require a 1/2" (13 mm) starting hole.



U.S. Patent No. D488,695

Cordless Drill Not Included on any TurboShear model





TurboShear™ Air Powered



Long lasting blades make fast, smooth trim cuts and tight left circular or square cuts in metal ductwork and metal roofing and building panels.

Applications:

Metal Roofing | Building Panels | Metal Ductwork
Stone Coated Metal Shingles | Furnace Jackets

- Lightweight Shear head for easy one-hand control.
- Attaches to your existing air supply!
- 18-Gauge capacity.
- Jaw opening navigates tight curve patterns, squares, mild profiles, layered metal & seams.
- Blind cuts require a 1" (25 mm) starting hole.
- Min. 2600 RPM—4CFM, 133 L/Min. 90 PSI, 6.2 Bar.

Use your existing Air Supply!

2600 RPM
2600 TR/Min

4 CFM, 133 L/Min
90 PSI, 6.2 Bar

45° Clearance

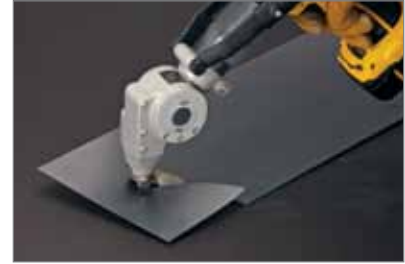
Specifications for all Metal Cutting TurboShears

Catalog Number	Description	Net Wt. oz. (g)	Net Wt. lbs. (kg)			
TS1	TurboShear "Original"	26 (737)	—			
TSHD	TurboShear Heavy-Duty	—	2.2 (1.00)			
TSHD1A	TurboShear Heavy-Duty Pneumatic Air	—	2.2 (1.00)			
Replacement Parts						
TSDC	TurboShear Drill Clamp for TSHD	8 (227)	—			
TSCG	TurboShear Heavy-Duty Chuck Guard for TSHD, optional on TS1	—	.06 (0.03)			
TS1RB	TurboShear Replacement Blades for TS1	—	—			
TSHDRB	TurboShear Heavy Duty Replacement Blades for TSHD	—	—			
CAPACITIES						
	Material	Spiral Duct 20 Gauge	Galvanized Steel 18 Gauge	Galvanized Steel 20 Gauge	Mild Steel 18 Gauge	Mild Steel 20 Gauge
TS1	inches (mm)	—	—	.040 (1.02)	—	.036 (0.91)
TSHD/TSHD1A	inches (mm)	0.040 (1.02)	0.052 (1.32)	—	0.048 (1.22)	—

TurboShears™

Heavy-Duty 16 Gauge

Superior performance at a fraction of the cost of a dedicated electric power shear.



TSA2
U.S. Patent No. 7,093,365

*Cordless Drill
Not Included.*

**Heavy Metal Cutting
Performance with a
16-ga. (1.52 mm) capacity!**

Model TSA2 TurboShear Drill Attachment makes a power drill a powerful metal-cutting shear, instantly! Cutting applications in construction mild grade steel. Clearance between the shear's cutting inserts may be adjusted for optimal performance within a range of 16 to 26-gauge (1.52 to 0.46 mm) mild steel. A helical (spiral) shaped foot permits easy left, right or straight cutting action.



- Clearance between the shear's cutting inserts may be adjusted for optimal performance within a range of 16 to 26-gauge (1.52 to 0.46 mm).
- A helical (spiral) shaped foot permits easy left, right or straight cutting action.

**Easy
to Use!**



5 Locking Positions!

- A five position 0 to 90 degree (0, 22.5, 45, 67.5 and 90) adjustable head angle makes these TurboShears exceptionally maneuverable and accessible for cuts through profiles and into tight spaces.

Specifications

Catalog Number	Description	Net Wt. oz. (g)	Net Wt. lbs. (kg)
TSA2	16 Gauge TurboShear Drill Attachment	—	3.3 (1.50)
Replacement Parts			
TSDC	TurboShear Drill Clamp	8 (227)	—
TSCG	TurboShear Heavy-Duty Chuck Guard	—	.06 (0.03)
TSA1RB	Replacement Cut Inserts	4 (113.4)	—

Lightweight Hand Snips

Andy™ Snips



Andy™ Snips

Lightweight with the strength of steel!

High carbon inset steel blades with sleek aluminum frames for greater maneuverability. Andy Snips feature multiple handle openings to fit large or small hands and provide superior material flow.



Full 3" (76.2 mm) cut.
Slim nose with extended blade tip reaches into corners.

M12N



*Andy 12" (31 cm) Pattern
Straight shearing, mild curve cuts,
and multiple layers of material.*



MC12N



*Andy 12" (31 cm) Combination
L or R circles to 6" (15 cm) diameter
and straight cuts.*



Comfort Gripped Option.
For comfort, fit and control
in cold, wet or heat.

M12NG

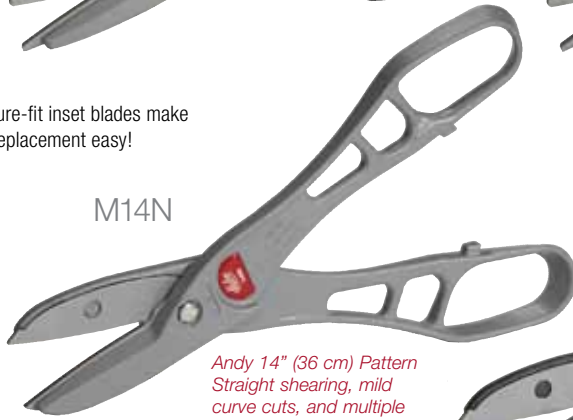


MC12NG



Pressure-fit inset blades make
field replacement easy!

M14N



*Andy 14" (36 cm) Pattern
Straight shearing, mild
curve cuts, and multiple
layers of material.*



MC14N



*Andy 14" (36 cm) Combination
L or R circles to 6" (15 cm) diameter
and straight cuts.*



Large 14" (36 CM) frame with roomy handle loops
and Big 3-1/4" (82.6 mm) cutting length.



Specifications

Catalog Number	Description	Length of Cut in. (mm)	Tool Length in. (cm)	Net Wt. oz. (g)	Replacement Blades		
M12N	Andy 12" (31 cm) Pattern Snip	3 (76.2)	12 (31)	16 (454)	M12NRB		
M12NG	Andy 12" (31 cm) Pattern Snip "Gripped"	3 (76.2)	12 (31)	20 (567)	M12NRB		
MC12N	Andy 12" (31 cm) Combination Snip	3 (76.2)	12 (31)	16 (454)	MC12NRB		
MC12NG	Andy 12" (31 cm) Combination Snip "Gripped"	3 (76.2)	12 (31)	20 (567)	MC12NRB		
M14N	Andy 14" (36 cm) Pattern Snip	3-1/4 (82.6)	14 (36)	20 (567)	M14NRB		
MC14N	Andy 14" (36 cm) Combination Snip	3-1/4 (82.6)	14 (36)	20 (567)	MC14NRB		
CAPACITIES	Material	Vinyl	Aluminum	Copper	Stainless Steel 26 Gauge	Galvanized Steel 24 Gauge	Mild Steel 24 Gauge
All Andy Snips	inches (mm)	.055 (1.40)	.035 (0.89)	.023 (0.58)	.018 (0.46)	.028 (0.71)	.024 (0.61)

Andy™ Classic Snips

Original Andy Snips Fit and Feel

Original styling with a natural fit make Andy Classics a perfect compliment to any toolbag!



M12A

*Andy Classic 12" (31 cm) Pattern
Straight shearing, mild curve cuts,
and multiple layers of material.*



MC12A

*Andy Classic 12" (31 cm) Combination
L or R circles to 6" (15 cm) diameter and
straight cuts.*



M14A

*Andy Classic 14"
(36 cm) Pattern
Straight shearing,
mild curve cuts,
and multiple layers
of material.*



MC14A

*Andy Classic 14" (36 cm) Combination
L or R circles to 6" (15 cm) diameter and
straight cuts.*

The snug fit and feel of the original Andy Classic.

Blades are easily replaceable with the use of a common wrench and #2 Phillips Screw Driver.



Specifications

Catalog Number	Description	Length of Cut in. (mm)	Tool Length in. (cm)	Net Wt. oz. (g)	Replacement Blades	Original Model Replacement Blades	
M12A	Andy Classic 12" (31 cm) Pattern Snip	3 (76.2)	12 (31)	17 (482)	M12ARB	M12 use M12RB	
MC12A	Andy Classic 12" (31 cm) Combination Snip	3 (76.2)	12 (31)	17 (482)	MC12ARB	MC12 use MC12RB	
M14A	Andy Classic 14" (36 cm) Pattern Snip	3-1/4 (82.6)	14 (36)	22 (624)	M14ARB	M14 use M14RB	
MC14A	Andy Classic 14" (36 cm) Combination Snip	3-1/4 (82.6)	14 (36)	22 (624)	MC14ARB	MC14 use MC14RB	
CAPACITIES	Material	Vinyl	Aluminum	Copper	Stainless Steel 26 Gauge	Galvanized Steel 24 Gauge	Mild Steel 24 Gauge
All Andy Snips	inches (mm)	.055 (1.40)	.035 (0.89)	.023 (0.58)	.018 (0.46)	.028 (0.71)	.024 (0.61)

Multiple

Purpose Snips

Easily cut through Heavy vinyl siding lockseams and more with the Andy™ MV12 Snip!



MV12



3" (76 mm)

Ultra Sharp High Carbon steel blades cut like a knife and are easily replaceable on the job!

Lightweight 12-inch (31 cm) aluminum handled combination snip, features a BIG 3" (76 mm) cutting depth. Inset steel blades feature a Knife like edge that produces a smooth slicing action for cutting thick or layered vinyl and a variety of other flexible non-ferrous materials.



HEAVY VINYL SIDING



ALUMINUM TRIM COIL



LANDSCAPE EDGING



VINYL FLOORING



CARPETING



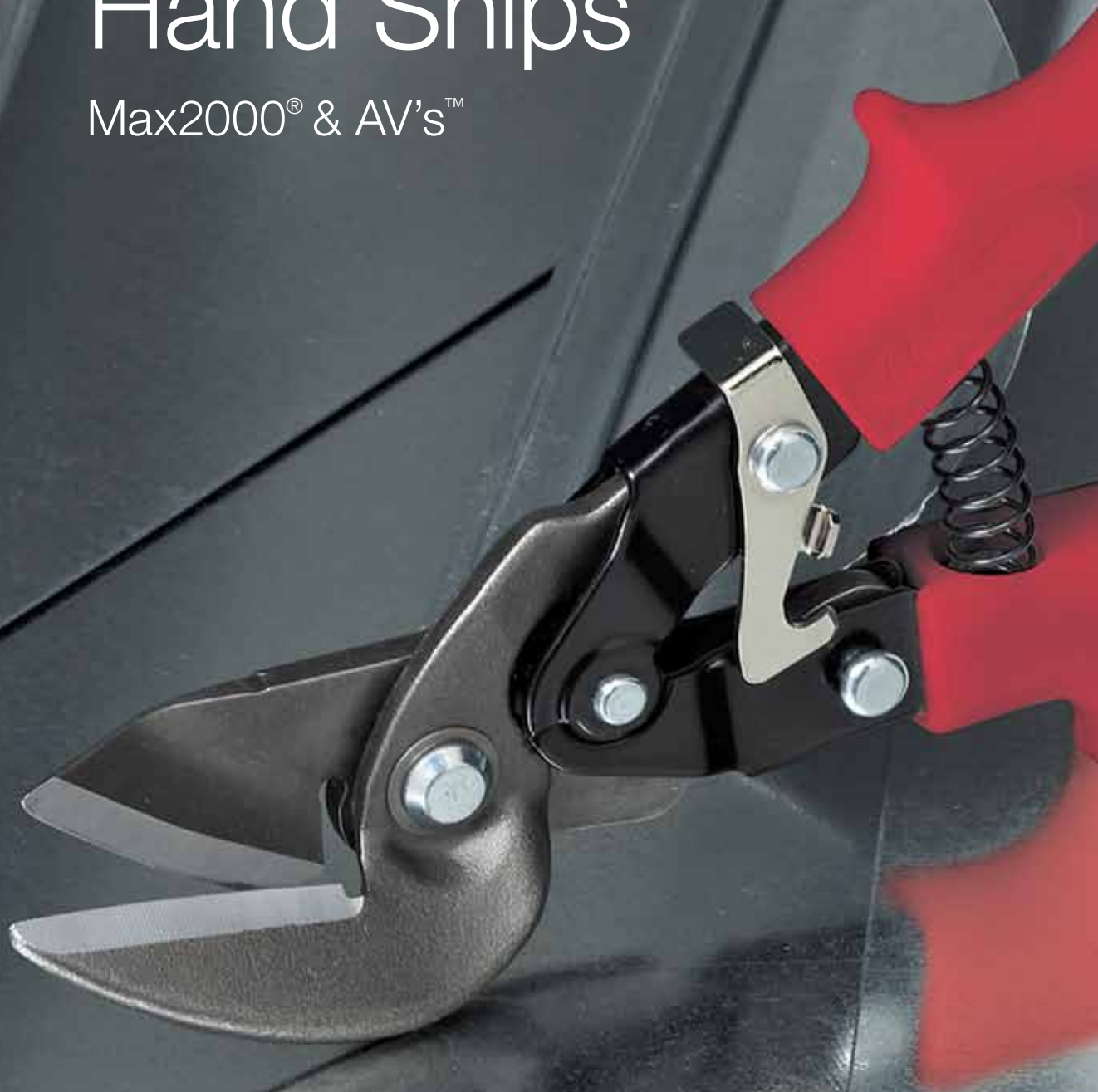
LEATHER

Specifications

Catalog Number	Description	Length of Cut in. (mm)	Tool Length in. (cm)	Net Wt. oz. (g)	Net Wt. lbs. (kg)
MV12	Non-Ferrous Andy™ Snip	3 (76.2)	12 (31)	20 (567)	—
Replacement Blades for MV12					
MV12RB	Carbon Steel Replacement Blades				

Hand Snips

Max2000[®] & AV's[™]





Max2000® Aviation Snips

Nothing outcuts, outmaneuvers or outlasts MAX!

Easy-to-Spot, color coded thermoplastic grips permanently fitted over full length steel handle shafts offer strength, comfort and sure handling.

Ambidextrous, one-hand operation latch is accessible from top or side.

Permanent riveted handles will not loosen and latch will not hang up.

Handle to Head Linkage produces powerful compound leverage.

Extra-long-life compression spring.

Narrower Grip Opening accommodates large or small hands without sacrificing cutting length.

Hardened steel blades and generous cutting lengths are unchanged.

Offset models feature: Hardened alloy steel and a forged steel lower jaw produce a strong, sharply defined cutting edge.

The Max2000 Double Cut Snip employs a best of all worlds close tolerance design for consistent performance. A curved cutting edge on the center jaw reduces cutting force required and large relief grinds on all jaws minimize drag. The double cut blades feed smoothly, cut cleanly without surface distortion, and easily navigate metal seams encountered in round metal duct and stove pipe. A self-starting point on center jaw makes short work of blind cuts.



M2004

Sharp Tipped Center Jaw

Max2000 Left, Right, and Combination Aviation Snips feature alloy steel blades with serrated lower jaws for solid gripping power in sheet metals, vinyl plastics, layered metals and seams (including "S" cleats).



The Max2000 Bulldog Snip features shorter blades with a serrated lower jaw for controlled notching and trimming out to the blade tip in layered sheet metals and metal seams.



Versatile Max2000 Offset Right and Left Aviation Snips feature a serrated upper jaw of hardened alloy steel and a forged steel lower jaw to produce a strong, sharply defined cutting edge for superior offset maneuverability & cutting performance.



Specifications

Catalog Number	Description	Cutting Application	Grip Color	Length of Cut in. (mm)	Tool Length in. (mm)	Net Wt. oz. (g)
M2001	Standard	Cuts Left	Red	1-3/8 (34.9)	10 (254)	14 (397)
M2002	Standard	Cuts Right	Green	1-3/8 (34.9)	10 (254)	14 (397)
M2003	Standard	Cuts Straight, Left and Right	Yellow	1-11/16 (42.9)	10 (254)	14 (397)
M2004	Straight Double Cut	Straight, Double Cut	Yellow	1-3/8 (34.9)	10 (254)	16 (454)
M2005	Bulldog	Notching and Trimming	Red	1-1/16 (27)	10 (254)	13 (367)
M2006	Offset	Cuts sharp left angles, straight lines and 5" (125 mm) diameter Circles.	Red	1-1/4 (31.8)	10 (254)	16 (454)
M2007	Offset	Cuts sharp right angles, straight lines and 5" (125 mm) diameter Circles.	Green	1-1/4 (31.8)	10 (254)	16 (454)

CAPACITIES	Material	Aluminum	Copper	Stainless Steel 22 Gauge	Galvanized Steel 22 Gauge	Mild Steel 22 Gauge
M2004	inches (mm)	0.040 (1.02)	0.034 (0.86)	—	0.034 (0.86)	0.030 (0.76)
CAPACITIES	Material	Aluminum	Copper	Stainless Steel 20 Gauge	Galvanized Steel 18 Gauge	Mild Steel 18 Gauge
All other Max Snips	inches (mm)	0.062 (1.57)	0.054 (1.37)	0.038 (0.97)	0.054 (1.37)	0.048 (1.22)

REPLACEMENT SPRING M2000S - Fits all Max2000 Snips in this catalog.



Aviation Snips™

Left and Right Vertical Aviation Snips

Left and Right-cutting forged serrated edge steel jaws are set at a 90-degree angle to allow easy access when cutting sheet metal in tight spaces or overhead.



New!



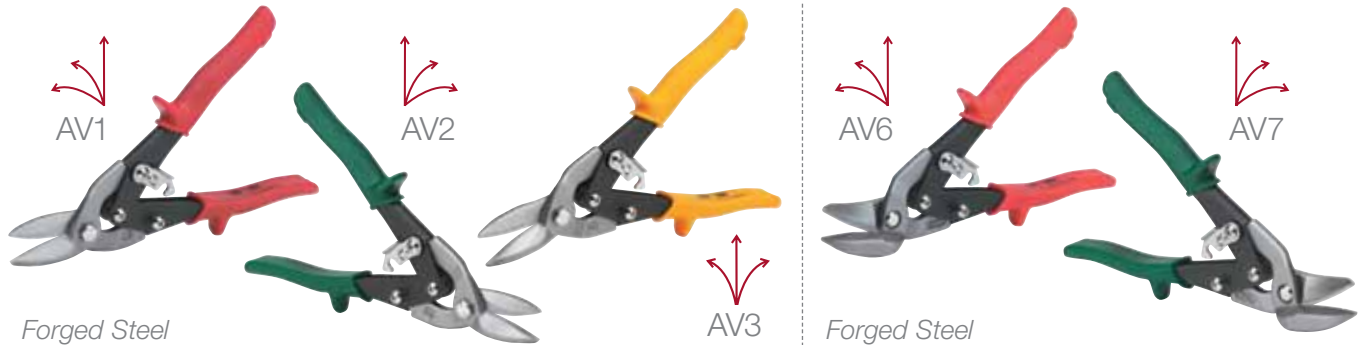
Easily Reach Tight Spaces & Cut Overhead.

Left, Right & Combination Snips

Traditional design with forged steel jaws, torsion handle spring and side latch.

Offset Right & Left Aviation Snips

Forged steel upper and lower jaws with torsion handle spring and side latch.



Forged Steel

Forged Steel

Regular Pattern Snips

For straight cutting and wide curves.



Bulldog Pattern Snips

Big, powerful snip for straight cuts and notches.

Forged Steel

Pattern, Bulldog & Duckbill Snips

Circular Duckbill Snips

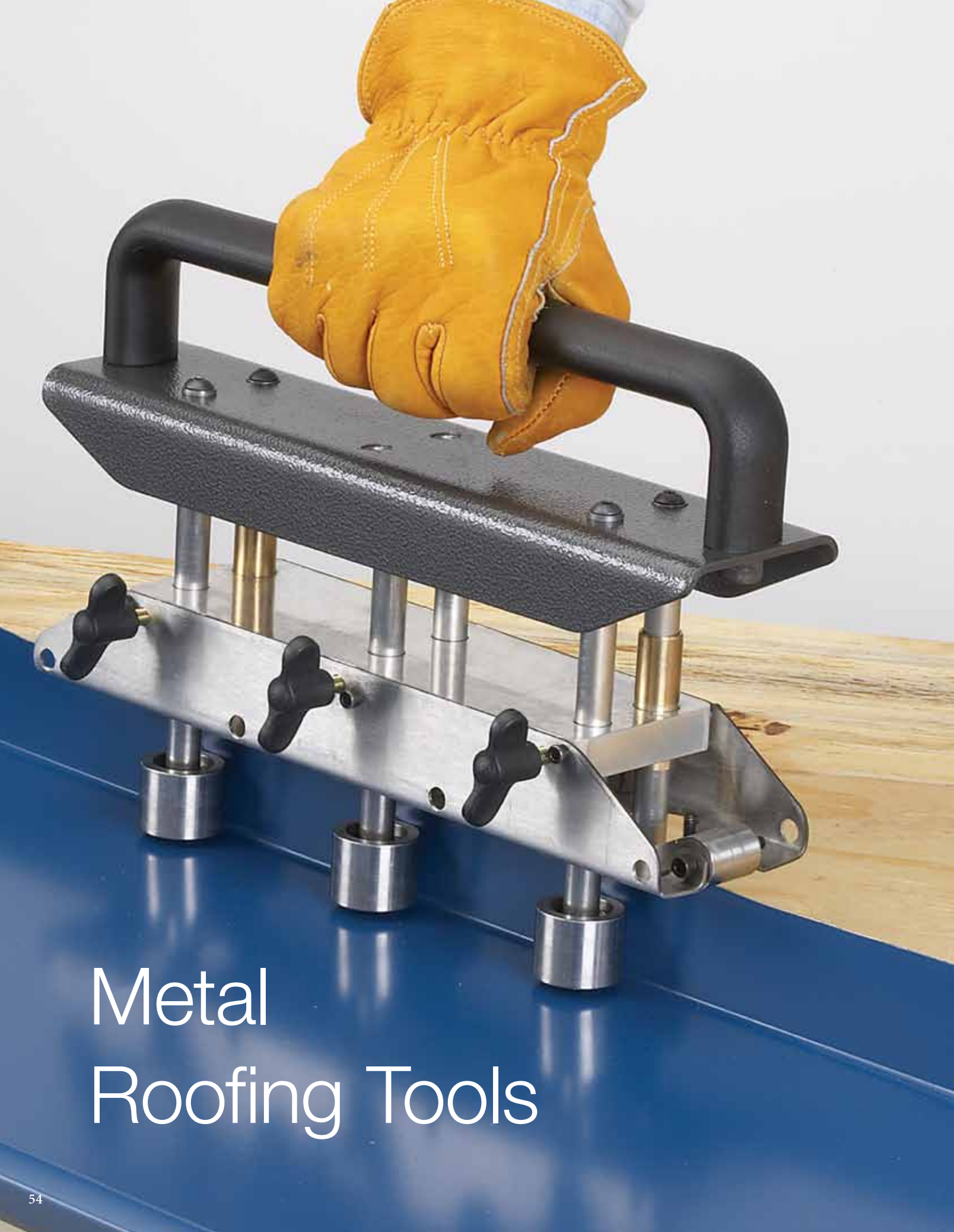
Maneuver and cut easily to very tip of blade. Cut sheet metal, aluminum and steel siding, plastics and other thin materials without tearing or catching.



Forged Steel

Specifications

Catalog Number	Description	Cutting Application	Grip Color	Length of Cut in. (mm)	Tool Length in. (mm)	Net Wt. oz. (g)		
AV1	Standard	Cuts Left	●	1-3/8 (34.9)	9-5/8 (245)	14 (397)		
AV2	Standard	Cuts Right	●	1-3/8 (34.9)	9-5/8 (245)	14 (397)		
AV3	Standard	Cuts Straight, Left and Right	●	1-1/2 (38.1)	9-7/8 (251)	14 (397)		
AV6	Offset	Cuts sharp left angles, straight lines and tight diameter circles	●	1-1/4 (31.8)	9-5/8 (245)	15 (425)		
AV7	Offset	Cuts sharp right angles, straight lines and tight diameter circles	●	1-1/4 (31.8)	9-5/8 (245)	15 (425)		
AV8	Vertical	Left Cutting Vertical Aviation Snip	●	1-3/8 (34.9)	8-3/4 (222)	16 (454)		
AV9	Vertical	Right Cutting Vertical Aviation Snip	●	1-3/8 (34.9)	8-3/4 (222)	16 (454)		
Catalog Number	Description	Length of Cut in. (mm)	Tool Length in. (cm)	Net Wt. oz. (g)				
M9	Regular Pattern Snip	3 (76.2)	12-1/2 (32)	27 (766)				
M15	Bulldog Pattern Snip	2-1/2 (63.5)	16-1/2 (42)	59.2 (1678)				
MD10	Circular "Duckbill" Snip	2-1/2 (63.5)	10 (25)	13 (369)				
MD12	Circular "Duckbill" Snip	3 (76.2)	12-1/2 (32)	27 (766)				
CAPACITIES	Material	Aluminum	Copper	Stainless Steel 20 Ga.	Galvanized Steel 18 Ga.	Mild Steel 18 Ga.	Cold Rolled Steel 24 ga.	Stainless Steel 28 ga.
Aviation Snips	in. (mm)	0.062 (1.57)	0.054 (1.37)	0.036 (0.91)	0.052 (1.32)	0.048 (1.22)	—	—
AV8 and AV9	in. (mm)	—	—	—	—	—	0.61 (0.024)	0.38 (0.015)



Metal Roofing Tools

3-Station Edge Roller

assures a uniform bend along entire length of material



Outer rollers may travel off material and easily back on to complete bend because two roller stations can remain aligned on the edge of material.



ER3



Quickly adjusts for making 5/8" to 4" (15.9-102 mm) bends in 29-22 gauge (0.36-0.76 mm) steel.

The center roller station of the ER3 Edge Roller features a precision English / Metric depth gauge on one shaft leg that, when locked in place at desired setting, accurately aligns the depth of all roller stations. Large, comfortable adjustment knobs hold depth setting securely.

Also adjusts for making curved bends!

The center roller station of the ER3 is also independently adjustable, with outer roller stations retracted and locked, to allow for bending on a curve.



Specifications

Catalog Number	Description	Bending Depth in. (mm)	Net Wt. lbs. (kg)
ER3	3-Station Edge Roller	5/8 - 4 (15.9-102)	8.5 (3.86)
CAPACITIES		Mild Steel 24 Gauge	
	Material		
	inches (mm)	.024 (0.61)	

High Leverage

Drip Edge Folding Tool

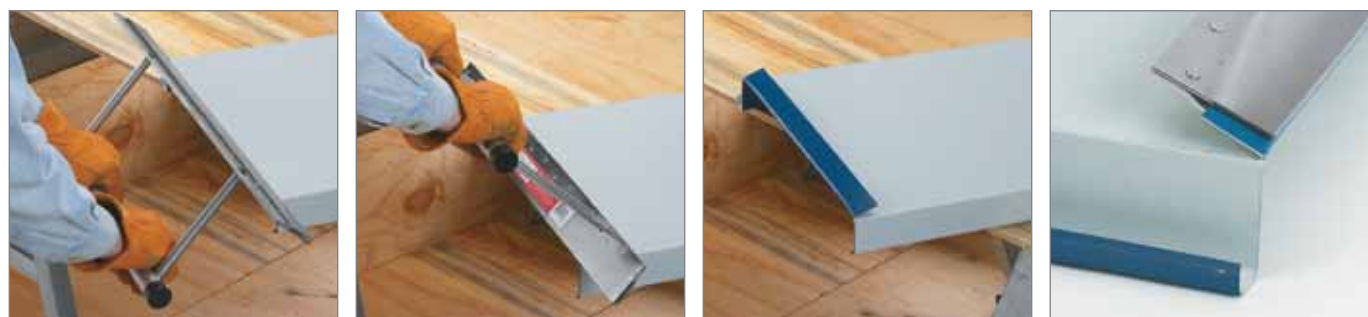
For quick bends in standing seam panel edges



Makes up to 1-1/2" (38.1 mm) deep bends along drip edge of roofing panel.



Durable lightweight steel and aluminum construction with weather resistant finishes!

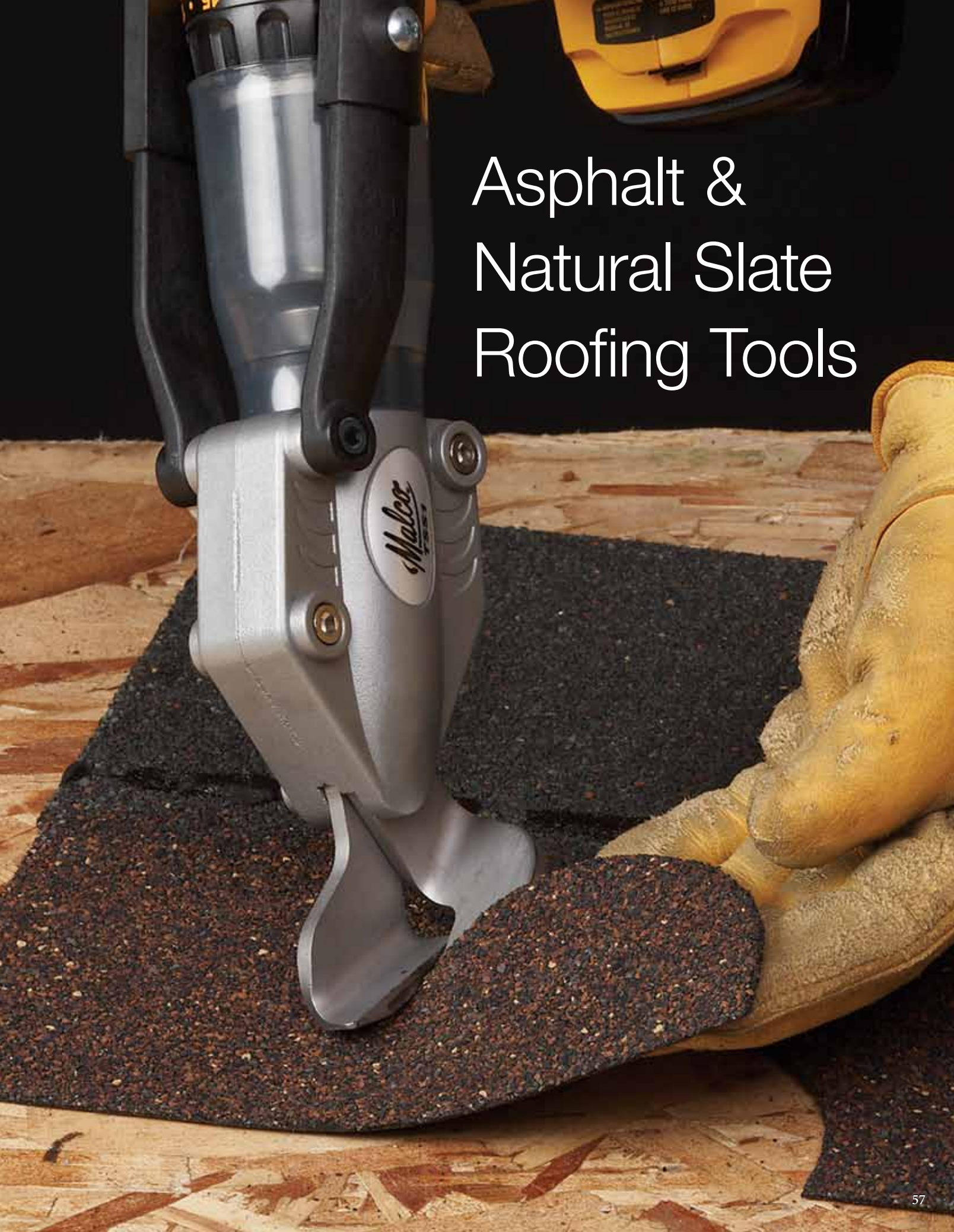


Works on installed panels or on a workbench for pre-bending panels.

Specifications

Catalog Number	Description	Bending Depth in. (mm)	Bending Length in. (mm)	Net Wt. lbs. (kg)
DEFT	Drip Edge Folding Tool	1-1/2 (38.1)	24 (61)	3.65 (1.66)

Asphalt & Natural Slate Roofing Tools





TurboShear™

Shear Power for Asphalt Shingles

Make your drill a SHINGLE SHEAR! Versatile and Portable. Attaches to a “go-anywhere” cordless drill.



TSS1
U.S. Patent No. 7,093,365

*Cordless Drill
Not Included.*



- Lightweight Shear head for easy one-hand control.
- No. TSDC Drill clamp included for one-hand operation.
- Minimum 14.4 volt 3/8" (9.53 mm) Cordless or Corded Drill required.
- Accommodates multiple layers of shingles up to 1/2" (12.7 mm) thick.

Streamlined Design

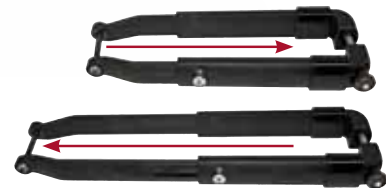


1. Wider-opening jaws
2. Long-life, dual ball bearings
3. Non-slip flats on drive shaft.

Easy to Use!



*Telescoping Drill Clamp
adjusts to fit any corded or cordless drills
including compact Lithium-ion models.*



TSDC

Specifications

Catalog Number	Description	Net Wt. oz. (g)	Net Wt. lbs. (kg)
TSS1	TurboShear, Asphalt Shingles	—	2.3 (1.04)
Replacement Parts			
TSDC	TurboShear Drill Clamp	8 (227)	—
TSCG	TurboShear Heavy-Duty Chuck Guard	—	.06 (0.03)
TSS1RBEV	TurboShear Replacement Blades for TSS1 and TSS1A	—	—



TurboShear™ Air Powered Shear Power for Asphalt Shingles



Fast Cutting, compact, Pneumatic Shingle Shear is compatible with common air supply set-ups and is capable of fast straight trim cuts along a valley and easy corner cuts and circles to fit around utility outlets.

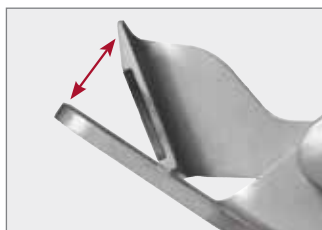
- Lightweight Shear head for easy one-hand control.
- Attaches to your existing Air Supply.
- Min. 2600 RPM—4CFM, 133 L/Min. 90 PS1, 6.2 Bar.
- Accommodates multiple layers of shingles up to 1/2" (12.7 mm) thick.

**Use your
existing
Air Supply!**



**4 CFM, 133 L/Min
90 PSI, 6.2 Bar**

45° Clearance



WIDE JAW OPENING



Lateral Blade Adjustment



SOLID CARBIDE INSERTS

Specifications

Catalog Number	Description	Net Wt. oz. (g)	Net Wt. lbs. (kg)
TSS1A	TurboShear, Asphalt Shingles Pneumatic	—	3.4 (1.54)
Replacement Parts			
TSS1RBEV	TurboShear Replacement Blades for TSS1 and TSS1A	—	—



TurboShear™

Shear Power for Natural Roofing Slate

Attaches to corded or cordless drill for making straight, angled or curved cuts in natural roofing slate.



Straight Cuts



Angle Cuts



Curved Cuts



TSNS1

U.S. Patent No. 7,093,365

*Cordless Drill
Not Included.*



- Produces desirable hand-cut appearance.
- Lightweight, compact and portable.
- Easy one-hand control.
- Telescoping clamp fits large or small drill housing.
- Blade and skid plate replaceable on the job.

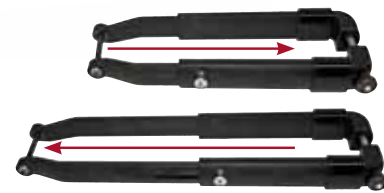
*Telescoping Drill Clamp
adjusts to fit any corded or cordless drill,
including compact Lithium-ion models.*

Streamlined Design



1. Long-life, dual ball bearings 2. Non-slip flats on drive shaft.

**Easy
to Use!**



TSDC

Specifications

Catalog Number	Description	Cutting Capacity Natural Roofing Slate	Net Wt. oz. (g)	Net Wt. lbs. (kg)
TSNS1	TurboShear, Slate Cutting	4 – 8 mm	—	2.5 (1.13)
Replacement Parts				
TSDC	TurboShear Drill Clamp	—	8 (227)	—
TSCG	TurboShear Heavy-Duty Chuck Guard	—	—	.06 (0.03)
TSNS1RBEV	TurboShear Replacement Blades & Skid Plate for TSNS1	—	—	—

Natural Slate Hand Tools

Rock Solid Solutions for Natural Roofing Slate

Slate Cutter

New!



NSC1



Serrated upper jaw grips backside of slate for controlled non-slip cutting.

Traditional Hand Cut Look

This efficient slate-cutting hand tool produces a traditional hand-cut chiseled look in 4 - 8 mm natural roofing slate. With the flat, unfinished side of the slate in the up position, the tool's serrated upper jaw securely grips the unfinished surface to make a desirable chiseled cut look from the finished side every time. The addition of Malco Redline Handles ensures easy, one-hand operation of the Slate Cutter, including an ambidextrous thumb operated handle latch, so that there is always a free hand to control the work-piece. Ergonomic Redline handles provide a fit and feel for the human hand that enhances the user's natural power stroke as well as the powerful 7:1 leverage of compound head-to-handle linkage.

Slate Punch

New!



NSP1



Clean Recessed Nail Holes

This efficient hand punch produces a clean, recessed nail hole in 4 - 8 mm natural roofing slate. A big 2-1/2-inch (63 mm) throat depth allows convenient placement of the punch tip on the flat, unfinished side of the slate to create a desirable nail hole recess on the natural finished side as it punches through. The addition of Malco Redline Handles ensures easy, one-hand operation of the Slate Punch, including an ambidextrous thumb operated handle latch, so that there is always a free hand to control the work-piece. Ergonomic Redline handles provide a fit and feel for the human hand that enhances the user's natural power stroke as well as the powerful 7:1 leverage of compound head-to-handle linkage.

Specifications

Catalog Number	Description	Cutting Capacity Natural Roofing Slate	Tool Length in. (mm)	Net Wt. oz. (g)
NSC1	Slate Cutter	4 - 8 mm	8-3/4 (222)	14 (397)
NSP1	Slate Punch	4 - 8 mm	9-1/2 (216)	23 (652)
Replacement Parts				
NSP1RP	Replacement Punch for NSP1	—	—	—



The Beast

Shingle Remover



Shingle removal is a beast of a job but now, finally, there's a tool that's up to the task. **THE BEAST** Shingle Remover from Malco makes a tough job bearable. **THE BEAST** cleanly lifts off heavy loads of shingles and pulls nails in one motion. Long handled models are available with either an adjustable head for handling any roof pitch, or a versatile fixed head. Adjustable models also feature fiberglass handles and a choice of 48" (1.22 m) or 58" (1.47 m) tool lengths. All long handled **BEASTS** feature replaceable 10 gauge (3.40 mm) tempered steel blades with variable length teeth. A comfortable D-grip is also standard.



Extra long teeth get under shingles.

Aggressive short teeth pull nails.



SB48

FIXED HEAD Rugged 48" (1.22 m) long all steel **BEAST**. Durable 10 gauge (3.48 mm) blade is also replaceable. Fixed pitch angle of head is versatile for most shingle removal tasks.

Steel Handle.
48" (1.22 m)
Tool length.



SB48A

Fiberglass Handle
48" (1.22 m)
Tool length.

3 position adjustable head makes this **BEAST** ideal for handling any roof pitch. Choice of 48" or 58" (1.22 or 1.47 m) tool length. Heavy Duty, but lighter weight, fiberglass handle for exceptional balance and control.



Position 1

Position 2

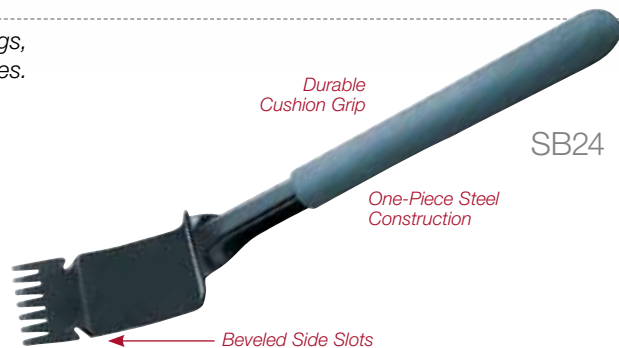
Position 3

Replaceable
Blades

Designed for roof cap removal and hard to get at dormers, overhangs, valley flashing and flashing around structures.



Handle those tight spots with a short handled "Baby" **BEAST**! For steep pitched roof caps and hard to get at dormers, overhangs, valley flashing and flashing around structures, this compact tool is indispensable. The short handled **BEAST** also features extra side slots for pulling out nails along walls and from under trim. One piece steel integral handle is covered with a comfortable foam grip.



SB24

Durable
Cushion Grip

One-Piece Steel
Construction

Beveled Side Slots

Specifications

Catalog Number	Description	Head	Tool Length in. (m)	Handle	Net Wt. lbs. (kg)	Replacement Blade	Replacement Handle
SB48	48" Fixed Head Shingle Remover	Fixed	48 (1.22)	Steel	6.90 (3.13)	SBRB	—
SB48A	48" Adjustable Head Shingle Remover	Adjustable	48 (1.22)	Fiberglass	7.10 (3.22)	SBRB	SB48ARH
SB58A	58" Adjustable Head Shingle Remover	Adjustable	58 (1.47)	Fiberglass	7.80 (3.54)	SBRB	—
SB24	24" Fixed Head Short Handled Shingle Remover	Fixed	24 (0.61)	Steel	2.80 (1.27)	—	—

Magnetic Sweeps

Wheeled & Hand Held



Wheeled Magnetic Sweeps easily navigate uneven terrain while attracting and retaining metal debris. The 4" (10 cm) diameter magnet housing is designed to freely rotate on a stainless steel axle. There is no need for height adjustment. The cylindrical housing turns slightly as obstacles are encountered to prevent captured debris from being wiped off during use. The Wheeled Sweeps' rotational quick release allows material to be removed from the tool quickly and easily. A heavy duty torsion spring returns magnetic surface of housing to down position after debris is released. A large capacity collection hopper allows multiple releases of debris without having to travel to a common dumping location. Permanent magnets assure long service life and resistance to shock and vibration. Magnets are also replaceable. A T-handle with cushion grips offers superior maneuverability and control. Wheeled Magnetic Sweeps come in 24" and 34" (61 and 86 cm) widths.



Rotational Quick Release.



Heavy Duty Torsion Spring.



Quick Release rotates housing toward hopper.



Wiper Blade clears debris into removable hopper.



Comfortable angled handle grip projects magnet forward and to the side of user for handy reach into confined areas yet keeps entire magnetic surface close to ground for efficiently picking up metal debris. Permanent magnets assure long service life and resistance to shock and vibration. Magnets are also replaceable. A contoured quick release sleeve allows debris to be easily removed from tool.



Powerful Magnetic Surface efficiently picks up debris.



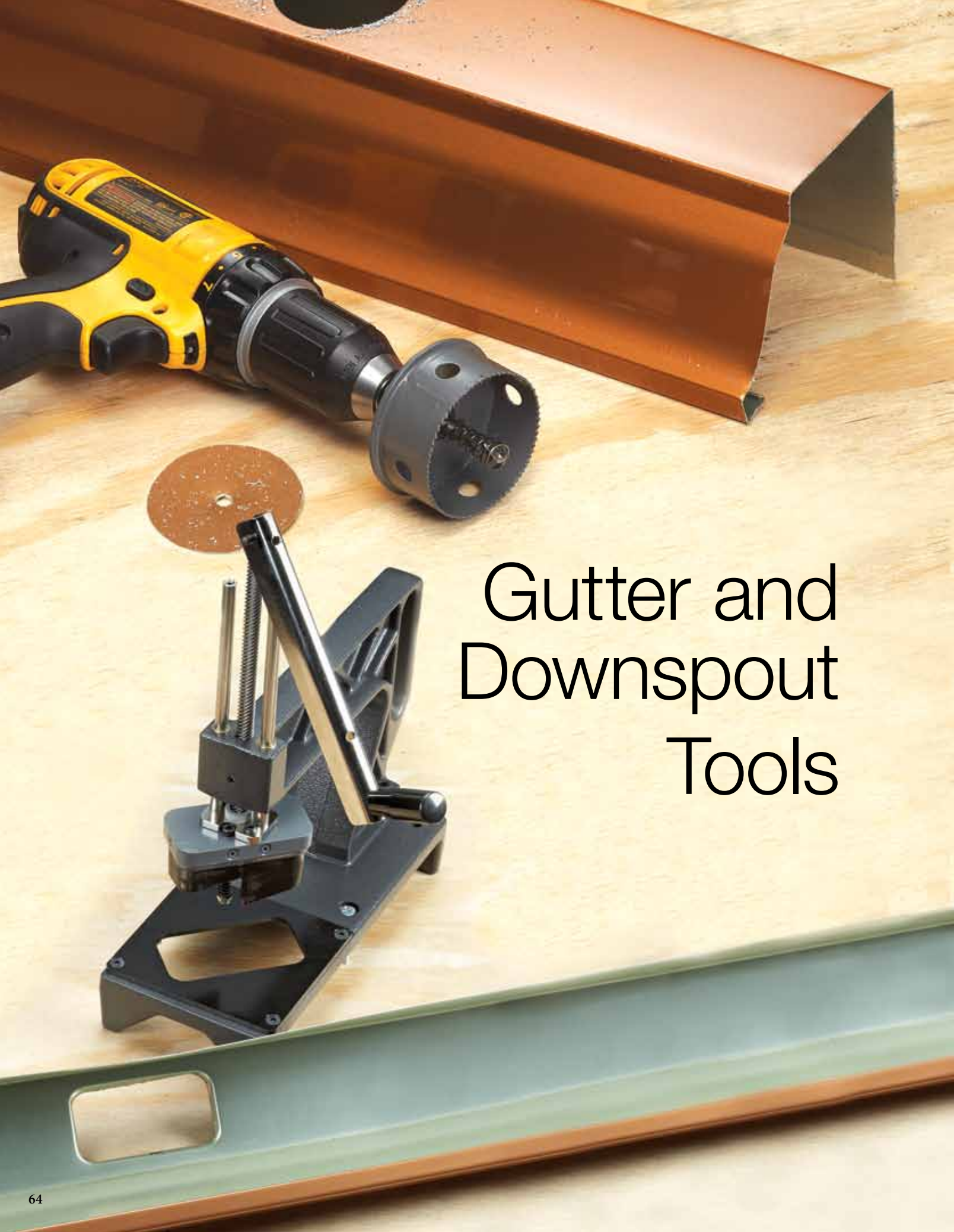
Quick Release Sleeve allows debris to be easily removed.

Specifications

Catalog Number	Description	Magnetized Dia. in. (cm)	Cylinder Width in. (cm)	Hopper Dimensions in. (cm)	Tool Length. in. (cm.)	T-Handle Width in. (cm)	Net Wt. lbs. (kg)
MS12	Hand Held Magnetic Sweep	—	—	—	34-1/2 (88)	—	5.0 (2.27)
MS24WH	Wheeled Magnetic Sweep	4 (10)	24 (61)	25-1/2 x 3-7/8 x 3-3/8 (65 x 10 x 9)	51 (130)	18 (46)	22.00 (9.98)
MS34WH	Wheeled Magnetic Sweep	4 (10)	34 (86)	35-1/2 x 3-7/8 x 3-3/8 (90 x 10 x 9)	51 (130)	18 (46)	28.00 (12.70)

Replacement Parts

MS12RK	MS12 Magnets	
MS12RS	MS12 Replacement Sleeve	
MS24WH	MS24 Magnets / MS24RK	MS24 Wiper Blade / MS24WHRW
MS34WH	MS34 Magnets / MS34WHRK	MS34 Wiper Blade / MS34WHRW



Gutter and Downspout Tools

New! Gutter Outlet Tools

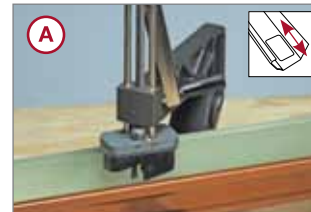
Specifically designed for punching rectangular square downspout holes that always fit flush in metal gutter.



GOT1

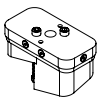
Ample throat clearance allows the punch access over the front or back edge of gutter in "A" or "B" direction.

Malco's New Gutter Outlet Tool has been engineered with ample throat clearance and open sides, to allow any of the 6 available punches to quickly line up cuts in both horizontal and vertical directions. The threaded drive requires only a steady turning motion on the handle to ensure the metal slug will not get caught-up in the working material. Designed with a durable cast aluminum tool frame that offers lightweight portability and long service life. Fastener holes provide optional bench-mount operation. High carbon steel punch blades ensure a long lasting cutting edge and are resharpenable. All components feature weather resistant finishes for dependable operation and storage in a variety of climates including dry air, humidity, rain, snow and temperature extremes. **Note: separately purchased punch and die kits are available as additional interchangeable sizes or replacements (See Chart Below).**

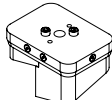


Model Numbers GOT1, GOT2, GOT3, GOT3EV, GOT4 and GOT5 are complete with a gutter outlet tool (like above photo) and one punch and die included. See depictions below.

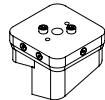
Individual Punch and Dies can be ordered separately and have an "RP" in the name. Example: GOTRP1.



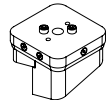
GOT1
50 x 100 mm
1.9 x 3.9 in.



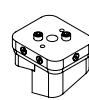
GOT2
75 x 100 mm
2.9 x 3.9 in.



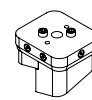
GOT3
3 x 3 in.
80 x 80 mm



GOT3EV
80 x 80 mm
3.2 x 3.2 in.



GOT4
2.5 x 3 in.
63.5 x 76.2 mm



GOT5
2.5 x 2.5 in.
63.5 x 63.5 mm



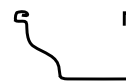
Easy as 1, 2, 3! The powerful screw drive requires only moderate force and a steady cranking motion on the handle to ensure that the metal slug will not hang up in the work piece when recycling.

Specifications

Gutter Outlet Tools with Punch & Die

Catalog Number	Punch & Die Dimensions	Tool Dimensions cm (in.)	Nominal Tool Weight with Punch and Die kg (lbs.)	Separate Punch & Die Kit Number
GOT1	50 x 50 mm (1.9 x 3.9 in.)	33 x 15 x 43 (13 x 6 x 17)	6.62 (14.6)	GOTRP1
GOT2	75 x 100 mm (2.9 x 3.9 in.)	33 x 15 x 43 (13 x 6 x 17)	6.62 (14.6)	GOTRP2
GOT3	3 x 3 in. (3 x 3 mm)	33 x 15 x 43 (13 x 6 x 17)	6.62 (14.6)	GOTRP3
GOT3EV	80 x 80 mm (3.2 x 3.2 in.)	33 x 15 x 43 (13 x 6 x 17)	6.62 (14.6)	GOTRP3EV
GOT4	2.5 x 3 in. (63.5 x 76.2 mm)	33 x 15 x 43 (13 x 6 x 17)	6.62 (14.6)	GOTRP4
GOT5	2.5 x 2.5 in. (63.5 x 63.5 mm)	33 x 15 x 43 (13 x 6 x 17)	6.62 (14.6)	GOTRP5

Capacities



Aluminum - 0.43 -0.81 mm (.017 - .032 in)



Zinc Coated Aluminum - 0.58 mm (.023 in)
Painted Steel - 0.53 mm (.021 in)

New! Quick-Action™ Gutter Outlet Saws

with Combination Arbor and High Speed Pilot Drill

For downspout that always fits flush to gutter, choose from five different sizes of Malco fine toothed hole saws for safe, fast, clean cuts in thin walled and half round gutter. Combine these gutter saws with the combination Arbor and High Speed Pilot Drill for increased speed and production on the job-site!



GOSA1EV
Combination Arbor and High Speed Pilot Drill, with Compression Spring Collar, to automatically eject metal slug.

- GOS1EV
60 mm (2.375 in.)
- GOS2EV
70 mm (2.75 in.)
- GOS3EV
78 mm (3 in.)
- GOS4EV
90 mm (3.5 in.)
- GOS5EV
100 mm (4 in.)



10 High Speed Steel Teeth every 1 in. (25.4 mm)



Clean cuts with compression spring ejection!

For use with a 1/2-in (13 mm) cordless or corded electric drill and Malco Combination Arbor and High Speed Pilot Drill. High speed steel teeth set at 10 per-inch (25.4 mm) and a shallow 1-inch (25.4 mm) cutting depth ensure controlled cuts that will not grab or twist material even when cutting half round gutter (below).



This Combination Hole Saw Style Arbor and High Speed Steel Pilot Drill is specifically designed for use with Malco Gutter Outlet Saws. One universal threaded arbor quickly installs on any size Gutter Saw. The pilot drill bit projects only 7/16 in (11 mm) out of the shallow gutter saw cup to ensure controlled, safe engagement of saw teeth for hole cuts in K-style and half round gutter. A tapered compression spring collar on the drill bit automatically ejects the metal slug.

Specifications



Quick-Action™ Gutter Outlet Saws

Catalog Number	Hole Diameter mm (in.)	Cutting Depth mm (in.)
GOS1EV	60 (2.375)	25.4 (1)
GOS2EV	70 (2.75)	25.4 (1)
GOS3EV	78 (3)	25.4 (1)
GOS4EV	90 (3.5)	25.4 (1)
GOS5EV	100 (4)	25.4 (1)

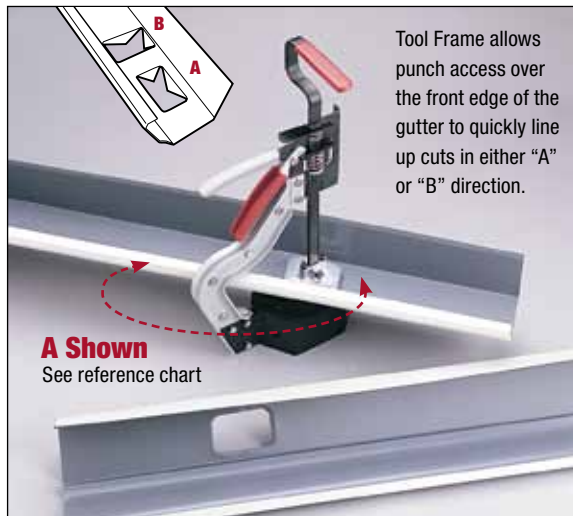
Combination Arbor & High Speed Pilot Drill

Catalog Number	Pilot Drill Bit	Arbor Shank mm (in.)	Drill Requirements
GOSA1EV	5.9 mm High Speed Steel	10 (13/32)	1/2 in (13 mm) Chuck

Capacities

-  Aluminum - 0.43 - 0.81 mm (.017 - .032 in)
-  Zinc Coated Aluminum - 0.46 mm (.018 in)
- Galvanized Aluminum - 0.58 mm (.023 in)
- Painted Steel - 0.53 mm (.021 in)
- Copper - 22 oz.

Gutter Outlet Punches



For cutting downspout drop holes in K-style aluminum gutter, nothing else matches the speed and accuracy of the Malco Gutter Outlet Punch System.

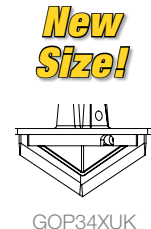
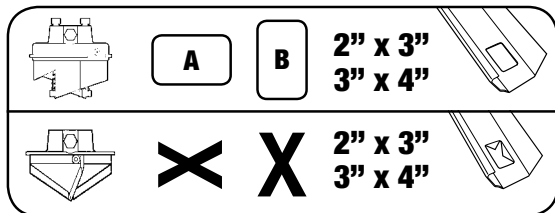
A versatile, lightweight Malco Tool Frame accepts your choice of separate Malco Rectangular and X-style Punch and Die combinations, including a NEW 3-in. x 4-in. (76 x 102 mm) X-Style Punch and Die!

Use the lightweight aluminum and steel tool frame and the punch and die combination of choice to cut a clean drop hole anywhere along the length of standard 5 or 6-inch K-style aluminum gutter up to .032-in (0.81 mm) thickness. The tool frame features ample throat clearance and open sides to allow the punch access over the front edge of the gutter and quickly line up cuts in either "A" or "B" direction. The tool frame's easy ratcheting mechanism, and the angled blades of the punch, combine to provide a smooth cutting action. A built-in ejector on the frame safely removes the metal slug from rectangular cuts. High carbon steel blades ensure long punch life, and the blades are also separately replaceable. Heat treated components and weather resistant finishes on both the tool frame component and all punch and die assemblies ensure long service life. Fastener holes are provided in the tool base for bench-mount operation.

GOT
U.S. Patent No.
6,289,709



Reference Chart

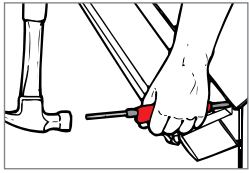


**New
Size!**

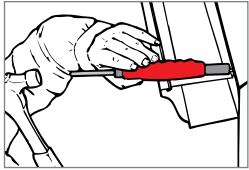
Specifications

Catalog Number	Description	Frame Dimensions in. (cm.)	Net Wt. lbs. (kg)
GOT	Tool Frame	19 x 10 (48 x 25)	6.70 (3.04)
PUNCH AND DIE ASSEMBLIES			
	2.2" x 3.2" (56 x 81 mm) OVERSIZE Rectangular Hole (See descriptions above.)	—	—
GOP23LUK	Punch and Die Assy - Upgrade Kit	—	2.20 (1.00)
	2" x 3" (51 x 76 mm) Standard Rectangular Hole	—	—
GOP23UK	Punch and Die Assy - Upgrade Kit	—	2.20 (1.00)
	3" x 4" (76 x 102 mm) Standard Rectangular Hole	—	—
GOP34UK	Punch and Die Assy - Upgrade Kit	—	2.50 (1.13)
	2" x 3" (51 x 76 mm) X-Style	—	—
GOP23XUK	Punch and Die Assy - Upgrade Kit	—	1.90 (0.86)
	3" x 4" (76 x 102 mm) X-Style	—	—
GOP34XUK	Punch and Die Assy - Upgrade Kit	—	2.50 (1.13)
REPLACEMENT BLADES AND CHOCKS			
GOTRC	Replacement Chocks for (GOT)	—	—
GOP23LRB	Replacement Blade for (GOP23LUK)	—	1.30 (0.60)
GOPRB	Replacement Blade for (GOP23UK)	—	1.30 (0.60)
GOP23XRB	Replacement Blade for (GOP23XUK)	—	—
GOP34XRB	Replacement Blade for (GOP34XUK)	—	—

Gutter Nail Driver



Working from Above



Working from Below



GND

Works anywhere to attach gutter to fascia with ease.

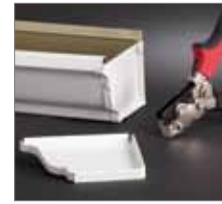
Use the Malco Gutter Nail Driver with hidden hangers and 8D galvanized nails to hang aluminum or steel gutters. A non-slip ergonomic grip provides multiple positions for grasping tool and working from above or below roof overhang. Durable 2-piece steel construction plus weather resistant zinc and nickel plating assure long service life of this professional quality tool.

Snap Lock Punch

Not recommended for heavy sheet metal.



SL2R



Ideal for end caps on gutter.

Slide adjustment for throat depth allows settings from 1/4" to 5/8" (6 to 16 mm) depth. Also used to crimp end caps on gutter. Nickel plate and black oxide finish. Formed metal cutting jaws. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel.

5 Blade Crimper



C4R

Produces a double crimp that downsizes without deforming down-spout; walls stay square for a tight fitting, leakproof connection.

Tool also features rust resistant plating. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel.

Single Crimper



SC2

Light Duty tool without grips. Makes a single crimp for downsizing aluminum downspouts.

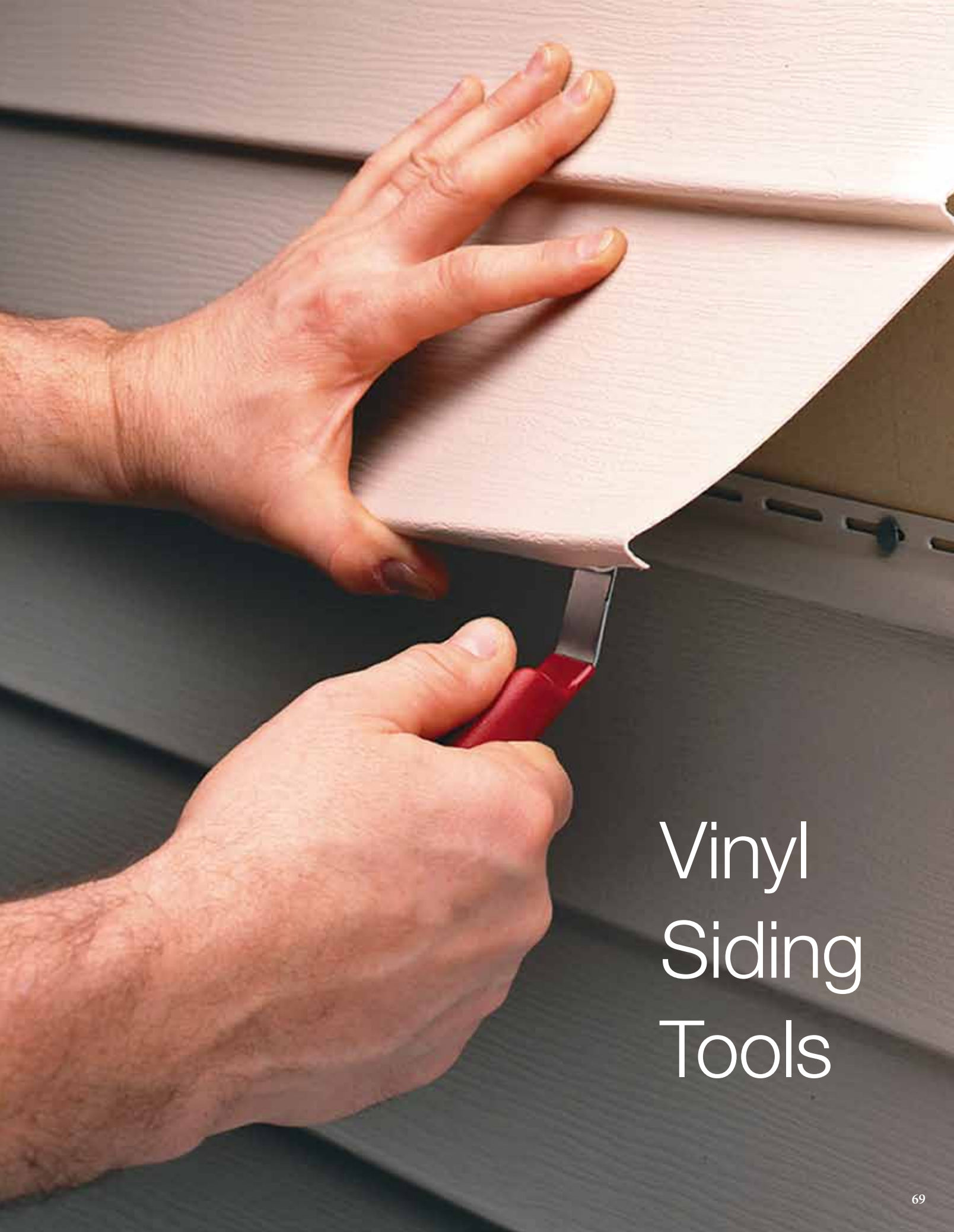
Specifications

Catalog Number	Description	Throat Depth in. (mm)	Variable Leverage Ratio (High / Low) throughout stroke	Jaws	Length in. (mm)	Net Wt. oz. (g)
GND	Gutter Nail Driver	—	—	—	7-5/8 (194)	7 (199)
SL2R	Snap Lock Punch	1/4 to 5/8 (6.4 to 15.9)	—	—	8 (203)	16 (454)
C4R	5 Blade Crimper	1-1/4 (31.8)	7.1 to 1.0 - 9.8 to 1.0	Carbon Steel	9 (229)	16 (454)
SC2	Snap Lock Punch	1-1/8 (28.6)	—	—	8 (203)	8 (227)

CAPACITIES	Material	Aluminum	Copper	Stainless Steel 26 Gauge	Galvanized Steel 24 Gauge	Mild Steel 24 Gauge
C4R	inches (mm)	0.035 (0.89)	0.023 (0.58)	0.018 (0.46)	0.028 (0.71)	0.024 (0.61)

Replacement Spring for Hand Tools

5018	Fits C4R, SL2R
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Vinyl Siding Tools

Siding Removal Tool

The SideSwiper® II combines the comfort and added leverage of an easy-to-grasp straight handle with the smooth unlocking motion of a burr free hook. The blade of the SRT2 is angled from the bottom plane of the handle and allows the user to keep the wrist straight while keeping knuckles well above the work. Blade surface finishing and plating assures that the sharply angled hook will not cut into the vinyl material or produce shavings.

Additional comfort and control is achieved with a non-slip textured handle grip. The gripping surface will not become slick from moisture, and the form fitting, plastisol dip process bonds the grip for the life of the tool.

Durable one piece spring steel construction is virtually indestructible. A handy oversize hang hole in handle accommodates a 1/4" (6.4 mm) peg hook.



Save Time
With a smooth unlocking motion, an easy-to-grasp straight handle and a non-slip textured grip; this handy tool will save you time by cleanly removing vinyl siding!

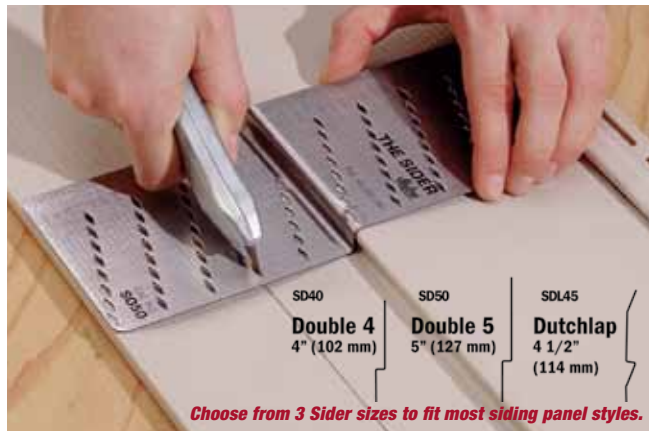
- 1. INSERTION:**
Wedge tip of blade under overlapping panel and hook onto the back lip of buttlock.
- 2. UNLOCKING:**
Pulling lip downward, slide the tool along length of panel to unlock and expose nail row of panel to be removed.
- 3. PANEL REPLACEMENT:**
Lock and nail replacement panel into place. Use tool to relock overlapping panel. Pull down on panel lip and press it into lock of replacement panel below.

The Sider

Marking & Cutting Templates for Vinyl Siding

THE SIDER

Save up to 3 profitable hours on each job with the innovative Sider. It works quickly and accurately, replacing chalk lines, squares and straight edges. Use it as a scribe or square to mark or score precise lines. Or go straight to cutting with your utility knife in the precisely marked 1/8" (3.2 mm) holes. The Sider comes in 3 sizes to match popular siding profiles and features durable 18-gauge (1.22 mm) stainless steel construction. It's one smart little tool for even the biggest siding jobs.



Specifications

Catalog Number	Description	Tool Length. in. (mm.)	Net Wt. oz. (g)
SRT2	SideSwiper II Siding Removal Tool	6-1/4 (159)	3.0 (85)
SRT2B	SideSwiper II Siding Removal Tool Bulk (25)	—	—
SD40	The Sider Double 4	—	7.0 (199)
SD50	The Sider Double 5	—	8.0 (227)
SDL45	The Sider Dutchlap 4-1/2	—	7.0 (199)

Snap Lock

Punch

Designed for Vinyl,
Aluminum Siding
and Mobile Home Skirting.



SL5



Economical and Rugged!

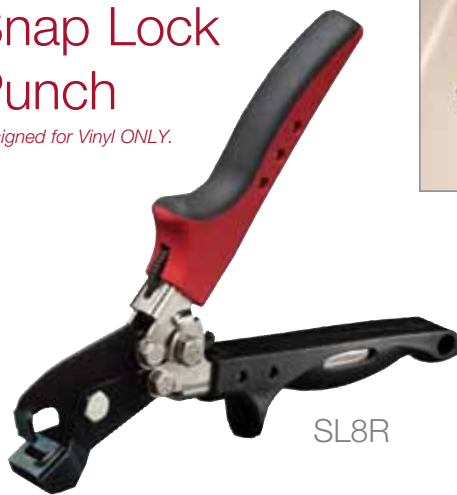
Snap lock plastic skirting and siding to finishing trim.

Makes tabs in the cut edge of siding panel used as a finishing course at top of wall or below window. Tabs lock into utility trim.* Punch raises a high projection to compensate for natural relaxation of vinyl plastic. It also works well on aluminum siding but is not recommended for steel.

***NOTE:** The SL5 should not be used when PERMATABS are required to snap into finished trim. For this application we recommend using the Malco SL1 or SL2 Snap Lock Punch. PERMATABS is a trademark of C & H Enterprises. Not Recommended for use below 32° F (0° C).

Snap Lock Punch

Designed for Vinyl ONLY.



SL8R



Nail Hole Slot Punch



NHP1R



For securing vinyl skirting and siding to finishing trim.

The SL8R produces wider, more secure locking tab projections. Tabs grip a greater surface area and guard against dislodging due to relaxation of vinyl from heat. SL8R installations also resist blowout during times of high pressure and wind. Constructed of steel stampings and rugged investment cast alloy steel jaws, with nickel plate and black oxide finishes. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel. Not Recommended for use below 32° F (0° C).

Add accurate nail slots fast and easy!

The NHP1R punches a generous 5/32" x 3/4" (4.0 to 19.1 mm) horizontal slot for adding or elongating nail holes in vinyl and .019" (0.48 mm) aluminum siding to accommodate irregular stud spacing. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel.

Specifications

Catalog Number	Description	Throat Depth in. (mm)	Slot in. (mm)	Length in. (mm)	Net Wt. oz. (g)
SL5	Snap Lock Punch	3/8 (9.5)	—	9 (229)	12 (340)
NHP1R	Nail Hole Slot Punch	5/8 (15.9)	5/32 x 3/4 (4.0 x 19.1)	8-1/2 (216)	16 (454)
SL8R	Snap Lock Punch	1/2 (12.7)	—	8-1/2 (216)	16 (454)

Replacement Spring for Hand Tools

5018 Fits NHP1R, SL8R



J-Channel Cutters

for Notches & Drain Tabs

Malco J-Channel Cutters are available for 1/2" (12.7 mm), 5/8" (15.9 mm) and 3/4" (19.1 mm) channel.

All Malco J-Channel Cutters feature compound leverage for easy cutting action. All steel construction and rust resistant finishes prolong the life of these tools. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel.



U.S. Patent No. 6,240,764



Use graduations on jaw to gauge cutting depths of 3/8" to 1-1/4" (9.5 to 31.2 mm)



45° trim cut

Easy One-Hand Operation!

JCC50R
1/2" (12.7 mm)
J-Channel



JCCR
5/8" (15.9 mm)
J-Channel



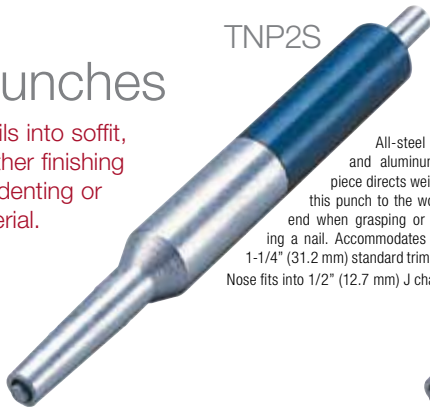
JCC75R
3/4" (19.1 mm)
J-Channel



Trim Nail Punches

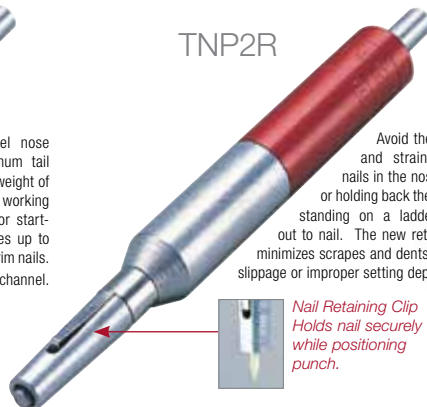
Drive trim nails into soffit, fascia and other finishing trim without denting or marring material.

TNP2S



All-steel nose and aluminum tail piece directs weight of this punch to the working end when grasping or starting a nail. Accommodates up to 1-1/4" (31.2 mm) standard trim nails. Nose fits into 1/2" (12.7 mm) J channel.

TNP2R



Nail Retaining Clip Holds nail securely while positioning punch.

Avoid the awkwardness and strain of balancing nails in the nose of the punch or holding back the drive pin while standing on a ladder or reaching out to nail. The new retaining clip also minimizes scrapes and dents caused by nail slippage or improper setting depth.



TNP3S
"Mini-Size"



"Pocket Sized" tool will hold and install standard 1-1/4" (31.2 mm) trim nails. Small size allows easy access to recesses of formed trim pieces. Hex collar prevents rolling.

Specifications

Catalog Number	Description	Application	Tool Length. in. (mm.)	Net Wt. oz. (g)
JCC50R	J-Channel Cutter 1/2" (12.7 mm)	J-Channel	8-7/8 (225)	16 (454)
JCCR	J-Channel Cutter 5/8" (15.9 mm)	J-Channel	8-7/8 (225)	16 (454)
JCC75R	J-Channel Cutter 3/4" (19.1 mm)	J-Channel	8-7/8 (225)	16 (454)
TNP2S	Trim Nail Punch	—	8 (203)	6 (170)
TNP2R	Trim Nail Punch with Clip	—	6-3/4 (171)	6 (170)
TNP3S	Trim Nail Punch	—	5 (127)	2 (57)
TNP3SB	Trim Nail Punch Bulk (24)	—	—	—
TNP3SH	Trim Nail Punch Bulk (100)	—	—	—

Replacement Spring for Hand Tools

5018 Fits All JCC Models on this Page

Fiber Cement Siding Tools





TurboShear™

Shear Power for Fiber Cement Siding

Make your drill a Fiber Cement Siding Shear!

Versatile and Portable. Cuts 5/16" (8 mm) Fiber Cement Siding Plank with minimal dust!



TSF1

U.S. Patent No. 7,093,365

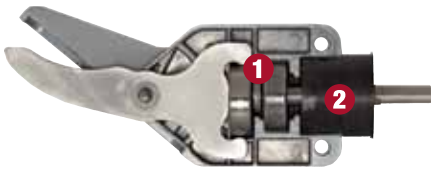
Cordless Drill
Not Included.



- Lightweight Shear head for easy one-hand control.
- Long lasting blades make fast, clean trim cuts and mild arcs in fiber cement siding anywhere on the job.
- No. TSDC Drill clamp included for one-hand operation.
- Minimum 14.4 volt 3/8" (9.53 mm) Cordless or Corded Drill required.

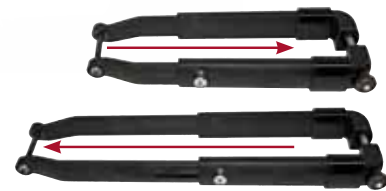
Telescoping Drill Clamp
adjusts to fit any corded or cordless drill,
including compact Lithium-ion models.

Streamlined Design



1. Long-life, dual ball bearings 2. Non-slip flats on drive shaft.

**Easy
to Use!**



TSDC

Specifications

Catalog Number	Description	Net Wt. oz. (g)	Net Wt. lbs. (kg)
TSF1	TurboShear, Fiber Cement	—	2.5 (1.13)
Replacement Parts			
TSDC	TurboShear Drill Clamp	8 (227)	—
TSCG	TurboShear Heavy-Duty Chuck Guard	—	.06 (0.03)
TSF1RBN	TurboShear Replacement Blades for TSF1 shown above	—	—
TSF1RB	TurboShear Replacement Blades for original TSF1	—	—

WARNING: Fiber cement contains crystalline silica. Respirable silica contained in cutting dust is known to cause cancer.



TurboShear™ Air Powered Shear Power for Fiber Cement Siding Fast Cutting, compact, Pneumatic Fiber Cement Siding Shear!



Precise Arcs



Straight Shearing



Fine Trimming



Fast Cutting, compact, Pneumatic Fiber Cement Siding Shear is compatible with common air supply set-ups and capable of precise arcs, straight shearing and fine trimming in fiber cement siding.

- Long lasting blades make fast, clean trim cuts and mild arcs in fiber cement siding anywhere on the job.
- Attaches to your existing Air Supply.
- Min. 2600 RPM—4CFM, 133 L/Min. 90 PS1, 6.2 Bar.

**Use your
existing
Air Supply!**

**2600
RPM**

**2600
TR/Min**

**4 CFM, 133 L/Min
90 PSI, 6.2 Bar**

45° Clearance

Both the TSF1 and TSF1A models feature heat-treated high carbon steel blade and reversible skid plate assure long service life.

Specifications

Catalog Number	Description	Net Wt. oz. (g)	Net Wt. lbs. (kg)
TSF1A	TurboShear, Pneumatic Fiber Cement	—	3.6 (1.63)
Replacement Parts			
TSF1RB	TurboShear Replacement Blades for TSF1A	—	—



WARNING: Fiber cement contains crystalline silica. Respirable silica contained in cutting dust is known to cause cancer.

Hidden Nail Cutter



Save time and effort when replacing siding planks!

SNC



- Saves time and effort when replacing or salvaging siding, thin building materials and windows.
- Flat head with beveled edges easily maneuvers under edge of material and reaches into corners to cut hidden nails without damaging material.
- Precision-ground, heat treated jaws and compound handle leverage combine to cut up to 16D common nails with a low force requirement.

Speed Set Gauges

FCMS Overlap Gauge and Facing Gauge Duo



FCMS

- Allows 1-person installation of fiber cement siding.
- Guards against sagging.

Using the Facing Gauge while nailing across the width of the plank ensures greater accuracy of the desired exposure and guards against sagging.

The Malco Overlap Gauge is used here like an extra pair of hands to prop up one end of the plank for one-person installation. (See Page 73 for a complete description.)

Fiber Cement Snip



FCSR



Capable of cutting down to a 2" (50.8 mm) circle.



Capable of trimming 1/8" (3.2 mm) from edge of 5/16-in. (7.9 mm) siding plank.

- Cuts from any work position to make precise arc and trim cuts fast and easy with minimal dust.
- Designed to cut 5/16" (7.9 mm) fiber cement siding plank.
- Heat Treated Alloy Steel Blades for long service life.
- Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel.

Specifications

Catalog Number	Description	Length in. (cm)	Net Wt. oz. (kg)
FCMS	Speed Set Gauges	—	—
SNC	Hidden Nail Cutter	18-1/2 (47)	28 (794)
FCSR	Fiber Cement Snip	8-1/2 (216)	12 (340)
Replacement Spring for Hand Tools			
5018	Fits FCSR		

Fiber Cement Siding Gauges

Overlap Gauges

Completely FREES up users hands!

- Allows 1-person installation of siding planks.
- Two gauges support entire length of plank and precisely gauge a standard 1-1/4" (31.2 mm) overlap — even on a bowed wall.
- No adjustments to vary and nothing to mark.
- Works on old or new 5/16" (7.9 mm) fiber cement siding plank.
- Will not mar finish of pre-painted siding.



Precision-ground tip assures gauge will grip behind siding plank.
Strong, one-piece tempered spring steel construction.



FCG2
(1 Pair)

U.S. Patent No. D525,492



Place pair of gauges on top edge of lower plank as shown. Rest upper plank against outside face of the gauge stop to accurately space planks, and then nail upper plank approximately 18" (46cm) away from gauge.



Depress thumb tab to allow plank to snap flush to wall and gauge.



Remove gauge by depressing thumb tab again and lifting gauge up and off lower plank, then pulling gauge out from under top plank.

Facing Gauge

- Adjustable for precise 5", 6", 7" or 8" (127, 152, 178 or 203 mm) exposures. Gauging block easily snaps into desired exposure position without use of tools or fasteners.
- Easy to grasp with one hand while steadying new plank for nailing.
- Manufactured of tough, long-lasting, weather-resistant nylon material throughout.
- May be used with Overlap Gauge for 1-person application (See No. FCMS Speed Set Gauges on page 72).



Use in Tandem
Overlap & Facing Gauges work perfectly together. Purchase separately or see No. FCMS Speed Set Gauges (pg.72)

FCFG



Specifications

Catalog Number	Description	Tool Length. in. (mm.)	Net Wt. oz. (g)
FCG2	Fiber Cement Siding Overlap Gauges (pair)	6 (152)	4 (114)
FCFG	Fiber Cement Siding Facing Gauge	10-7/8 (276)	2 (57)

Fiber Cement Siding

Hand Nibbler

- Anti-slip blade profile.
- Easily make straight, left or right cuts in 5/16" (8 mm) fiber cement siding.
- Cuts cleanly without distortion.
- Makes fine, precise trim cuts and rounded cuts with ease.



Anti-Slip blade profile.



Makes fine, precise trim cuts & rounded cuts with ease.



FCC3

Guillotine



FCC4



Fast, straight trim cuts



Minimal Dust Operation

- Guillotine cutter for 5/16" (8 mm) fiber cement siding
- Durable lightweight frame and high leverage design offer long service life, easy handling and smooth cutting operation
- Cuts cleanly without distortion
- No noisy operation • No sharpening required
- A large stable plate with board stop supports fiber cement siding to ensure a square, straight cut up to 8-1/4" (210 mm) wide.

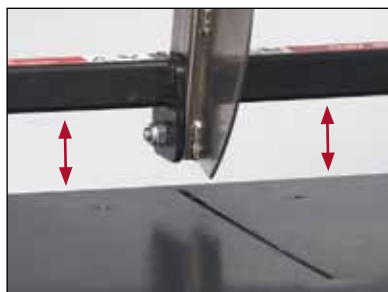
Specifications

Catalog Number	Description	Length of Cut in. (mm)	Tool Length in. (mm)	Net Wt. oz. (g)	Net Wt. lbs. (kg)
FCC3	Fiber Cement Siding Hand Nibbler	—	12 (305)	22 (340)	—
FCC4	Fiber Cement Siding Guillotine	8-1/4 (210)	—	—	22 (9.98)

Fiber Cement Siding Angle Cutter

Cut multiple angles in Fiber Cement Siding with Guillotine Precision and Minimal Dust!

Quickly & Cleanly Produce (3/12, 4/12, 6/12, 8/12, 10/12 or 12/12) pitch cuts and most other angles, in fiber cement siding.



The blade is anchored above the large guillotine plate to allow clearance for cutting any angle in 5/16" (8 mm) fiber cement planks up to 12" (305 mm) wide.

◀ Long-life nickel plated blade design with high leverage handle requires less force to produce clean cuts and minimal air-borne dust.

Stable welded frame will survive the most rugged job-site environments. ▼

FCC7



Fold-out feet act as support extensions for the cutting operation and also allow guillotine to be mounted on saw horses for optional workbench-level operation.



A 90° guillotine fence is quickly installed to the left or right of blade for cutting siding planks to length.



Loosen knob to swing fence out of the way for angled cuts.



Scribe desired angle on fiber cement siding plank and feed it into the guillotine blade as you cut.



Smooth straight cuts



Cleanly cut any angle desired

Specifications

Catalog Number	Description	Net Wt. lbs. (kg)
FCC7	Fiber Cement Angle Cutter	45 (20.4)

Fiber Cement Siding

Circular Saw Blades

with PCD Faced Carbide Tips

- *For accurate cuts in Fiber Cement Siding without warpage*
- *SPEED Through stacks of Fiber Cement Siding, Fast and Easy*

Designed for repetitive cuts in fiber cement with power miters or portable circular saws, these specialized Circular Saw Blades with PCD (PolyCrystalline Diamond) faced carbide tips ensure long service life.



A lower number of teeth and deeper gullets produce cleaner, more precise cuts resulting in an accurately matched trim edge and tighter seams.



Perfectly tensioned, hardened tool-steel blade assures a flat true run.



FCCB7



FCCB10



FCCB12

Available in:

7-1/4" (184 mm) 4-tooth, 10" (254 mm) 6-tooth and 12" (305 mm) 8-tooth configurations for use with the full range of circular saw equipment.

Specifications

Catalog Number	Description	Diameter Diameter in. (mm)	Teeth	Arbor in. (mm)	RPM
FCCB7	Fiber Cement Circular Saw Blade	7-1/4 (184)	4	5/8 (15.9)	8300
FCCB10	Fiber Cement Circular Saw Blade	10 (254)	6	5/8 (15.9)	5870
FCCB12	Fiber Cement Circular Saw Blade	12 (305)	8	1 (25.4)	5000



WARNING: Fiber cement contains crystalline silica. Respirable silica contained in cutting dust is known to cause cancer.

For Building Exterior & Landscape Pros

Cool Clean Cuts in metal roofing and metal building panels



Standing Seam Metal Roofing



Metal Building Panels



MCCB7

- Specially formulated, tough C-6 carbide tipped blade fits all popular brands of portable circular saws.
- Lasts up to 30 times longer than abrasive disks for cutting unhardened ferrous metal.
- Makes true, flat cuts in standing seam metal roofing and metal building panels without burning paint or protective coatings.
- Also makes clean cuts in metal studs, light angle iron and thin walled pipe.

Vinyl Siding & Fencing Circular Saw Blade



VCB1

VCB1: Versatile 7-1/4" (184 mm) blade for smooth cutting in vinyl fencing / siding and plastic trim.



VCB3EV

Carbide Tipped Teeth

VCB3EV: **New** Aggressive cutting 12" (305 mm) blade with carbide tipped teeth for easy cuts in fence post.
(Not recommended for vinyl siding.)



VCB2EV

VCB2EV: **New** Big 10" (250 mm) circular blade fits most power miters for making ultra smooth cuts.

Plywood and Veneer Circular Saw Blade



C725P

Contractor Grade hard chrome plated blades outlast unplated steel.

C725P: For clean cuts in plywood, veneer, thin plastics and cellotex.

Specifications

Catalog Number	Description	Diameter in. (mm)	Width in. (mm)	RPM	Teeth	Capacity in Mild Steel gauge (mm)	Arbor
MCCB7	Metal Cutting Saw Blade	7-1/4 (184)	5/8 (16)	5800	56	16 (1.52)	—
VCB1	Vinyl Cutting Saw Blade	7-1/4 (184)	—	6500	186	—	Universal
VCB2EV	Vinyl Cutting Circular Saw Blade	10 (250)	—	6500	248	—	Universal
VCB3EV	Vinyl Cutting Circular Saw Blade	12 (305)	—	5800	100	—	Universal
C725P	Plywood and Veneer Cutting Saw Blade	7-1/4 (184)	—	5800	186	—	Universal

Saw Blades and Hack Saws



Reciprocating Saw Blades

Wood / Plaster Cutting Blades




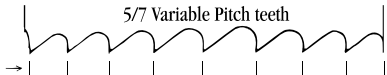





Reciprocating Saw Blades



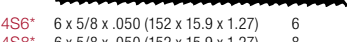



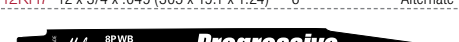
THEY STACK UP BETTER: For wood with nails, metal pipe, angles, and a variety of specialty applications from drywall to drain pipe, BiMetal By Malco stacks up best against the rest. These shatterproof blades are formulated from a premium metal composition consisting of a High Speed Steel cutting edge micro welded to a flexible High Carbon

Catalog Number	Nominal L x W x Thickness in. (mm)	Teeth per inch (25.4 mm)	Tooth Set	Tooth Form	Cutting Edge	Description / Application
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WOOD CUTTING BiMetal By Malco™

	4DL6 6 x 5/8 x .050 (152 x 15.9 x 1.27)	6	Alternate	Standard	Milled	DELUXE CONTOUR 4DL6 used for rough-in, contours in wood with nails.
	4KH6 6 x 3/4 x .059 (152 x 19.1 x 1.50)	5/7	Alternate	Variable / Standard	Milled	KEYHOLE PROFILE -- VARIABLE PITCH Varied tooth sizes permit an overall coarser pitch for aggressive cutting in wood with nails.
	8KH7 9 x 3/4 x .049 (229 x 19.1 x 1.24)	5/7	Alternate	Variable / Standard	Milled	 4KH6, 8KH7, 12KH8 used for rough-in, mild contours in wood with nails.
	12KH8 12 x 3/4 x .049 (305 x 19.1 x 1.24)	5/7	Alternate	Variable / Standard	Milled	
	4KH8 6 x 3/4 x .049 (152 x 19.1 x 1.24)	8	Alternate	Standard	Milled	KEYHOLE PROFILE 4KH8 produces less vibration, smoother, cleaner cuts in wood with nails, composition board.
	4GT7 6 x 5/8 x .031 (152 x 15.9 x 0.79)	6	Alternate	Standard	Milled	STRAIGHT PROFILE 4GT7 used for smooth cutting in hard and soft wood, composition board.

WOOD CUTTING HCS (High Carbon Steel)

	4S6* 6 x 5/8 x .050 (152 x 15.9 x 1.27)	6	Alternate	Standard	Milled	SUPREME CONTOUR - FLEAM SHARPENED  Teeth are fleam sharpened (alternate ground set) for fast feeding, clean shearing action. 4S6 is fastest cutting blade for rough-in, contours in nail free wood. 4S8 used for rough-in, contours in wood with nails. *Blades available in standard 5 packs except where noted.
	4S8* 6 x 5/8 x .050 (152 x 15.9 x 1.27)	8	Alternate	Standard	Milled	
	4KH7 6 x 3/4 x .049 (152 x 19.1 x 1.24)	6	Alternate	Standard	Ground	KEYHOLE PROFILE - FLEAM SHARPENED  Teeth are fleam sharpened (alternate ground set) for fast feeding, clean shearing action. 4KH7 used for rough-in, mild contours in nail free wood.
	12KH7 12 x 3/4 x .049 (305 x 19.1 x 1.24)	6	Alternate	Standard	Ground	KEYHOLE PROFILE 12KH7 used for rough-in, mild contours in nail free wood.
	8PW8 8 x 3/4 x .050 (203 x 19.1 x 1.27)	Progr.	Alternate	Variable / Progressive	Ground	PLUNGE CUT TIP - PROGRESSIVE PITCH Smaller teeth near blade shank and larger teeth at tip for faster cuts / longer life. 8PW8 is a High Carbon Steel, PROGRESSIVE PITCH blade used for making fast, clean cuts in wood and composite material.

PLASTER BiMetal By Malco™

	4P6 6 x 3/4 x .049 (152 x 19.1 x 1.24)	6	Alternate	"V"	Milled	STRAIGHT PROFILE - "V" TOOTH 60° angle "V" tooth cuts on both forward and backward stroke. 4P6 used for continuous cutting in plaster, sheetrock and metal lath.
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Selecting the right blade for the job is critically important. Factors that should be considered are:

1. Type and hardness of material to be cut, which will determine the tooth form, thickness and material composition of the blade to be used.
2. Size and variation in cross section of stock to be cut which dictates the pitch of the teeth (or teeth per inch) required, tooth set and blade length.
3. Type of cut, whether straight, contour or both will determine blade width.








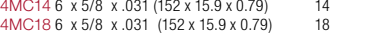



Reciprocating Saw Blades

Metal / General Purpose Cutting Blades

with BiMetal By Malco®

Steel back. Wood Cutting BiMetal blades are available in a wide variety of profiles and tooth combinations to match cutting speed, plus control and maneuverability needed for the job. Wide 3/4" (19.1 mm) profiles on Metal Cutting BiMetal combine with superior manufacturing processes to outperform and outlast all other similar blades in head to head comparisons.



Catalog Number	Nominal L x W x Thickness in. (mm)	Teeth per inch (25.4 mm)	Tooth Set	Tooth Form	Cutting Edge	Description / Application
METAL CUTTING BiMetal By Malco™						
	4TF14	6 x 3/4 x .031 (152 x 19.1 x 0.79)	14	Raker	Standard	Milled
						STRAIGHT PROFILE - HIGH SPEED CUTTING 4TF14 used in metals, including stainless over 1/8" (3.2 mm)
	4TF18	6 x 3/4 x .031 (152 x 19.1 x 0.79)	18	Raker	Standard	Milled
						4TF18 used for 18 gauge (1.22 mm) to 1/8" (3.2 mm) metals.
	3MC24	4 x 3/4 x .031 (102 x 19.1 x 0.79)	24	Wavy	Standard	Milled
						3MC24, 4MC24 used for metal sheet, pipe, profiles under 18 gauge (1.22 mm)
	4MC24	6 x 3/4 x .031 (152 x 19.1 x 0.79)	24	Wavy	Standard	Milled
	9MC10	9 x 3/4 x .050 (229 x 19.1 x 1.27)	10/14	Raker	Variable / Standard	Milled
						STRAIGHT PROFILE - VARIABLE PITCH 9MC10 used for pipe diameters to 4" (102 mm) O.D. <i>Note: Do not use to cut waste slack.</i>
	6PMC	6 x 3/4 x .037 (152 x 19.1 x 0.94)	—	Wavy	Milled	Vari / Stan / Progr.
						PLUNGE CUT TIP - PROGRESSIVE PITCH Smaller teeth near blade shank and larger teeth at tip for faster cuts / longer life. 6PMC is a BiMetal, PROGRESSIVE PITCH blade used for making fast, clean cuts in thick or thin material including non-ferrous metals, galvanized sheet metal, copper and steel pipe, and steel and aluminum profiles. This shatterproof blade offers maximum on-the-job performance and long service life.
METAL CUTTING High Speed Steel						
	4MC14	6 x 5/8 x .031 (152 x 15.9 x 0.79)	14	Raker	Standard	Milled
						STRAIGHT PROFILE - HIGH SPEED CUTTING 4MC14 used for metals over 1/8" (3.2 mm)
	4MC18	6 x 5/8 x .031 (152 x 15.9 x 0.79)	18	Raker	Standard	Milled
						4MC18 used for 18 gauge (1.22 mm) to 1/8" (3.2 mm) metals.
METAL CUTTING HCS (High Carbon Steel)						
	8CG1	8 x 3/4 x .040 (203 x 19.1 x 1.02)	—	—	—	Carbide Grit
						STRAIGHT PROFILE - CARBIDE GRIP CUTTING EDGE 8CG used for soil pipe, cast iron, ceramic tile and brick. <i>*Note: Available as singles only.</i>
GENERAL PURPOSE BiMetal By Malco™						
	4GT10	6 x 3/4 x .031 (152 x 19.1 x 0.79)	10	Alternate	Standard	Milled
						STRAIGHT PROFILE 4GT10 used for cuts in wood with nails or metals under 3/16" (4.8 mm).
	8PAP	8 x 3/4 x .051 (203 x 19.1 x 1.30)	Progr.	Wavy	Special Progressive	Milled
						PLUNGE CUT TIP - PROGRESSIVE PITCH Smaller teeth near blade shank and larger teeth at tip for faster cuts / longer life. 8PAP is a BiMetal, PROGRESSIVE PITCH blade used for making fast cuts in wood, wood with nails, non-ferrous metals (including aluminum and brass), plastic and fiberglass. This durable blade offers outstanding performance in thick or thin materials.

High Tension

Hack Saw Frame

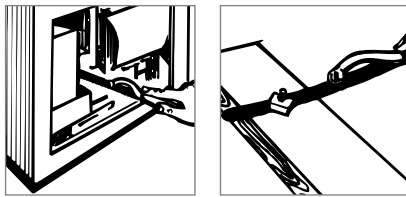
HS90



28,000 PSI Tension
for Easier Cutting and Longer Blade Life!

28,000 PSI tension prevents Bi-Metal hacksaw blade from twisting and binding when cutting. Easy to adjust tension knob. Cast aluminum frame with tubular steel beam is rugged yet lightweight. Comfortable ergonomic handle. Convenient front end grip for better cutting leverage. Extra blades can store in tubular beam. Set screw will secure hacksaw blade or reciprocating saw blade for "jab sawing" in tight spots. Four permanent mounting pins allow both straight cutting and 45° angle for flush cutting.

The Original Mini-Saw™



Use in hard to reach places.

Extend and flex blade for flush cutting.

MS65



For the jobs conventional hack saws cannot do. Slim profile Mini-Saw is ideal for working in very confined areas and for flush cutting at any angle.

Indispensable to plumbing, heating, air-conditioning, refrigeration tradesmen and all servicemen. Saw uses all standard lengths of blades and other types of 1/2" (12.7 mm) saw blades. Finger locking screw makes blade changing easy. Nickel plated steel construction. Non-slip vinyl cushion grip.

Hack Saw Blades BiMetal™ by Malco

Shatterproof, versatile combination of high speed steel teeth and flexible carbon alloy back assures cleaner, faster, straighter cuts in any type of material. Out performs, outlasts standard carbon and high speed steel blades.



Specifications

Catalog Number	Description	Throat Depth in. (mm)	Length in. (mm)	Width in. (mm)	Teeth per in. (25.4 mm)	Thickness in. (mm)	Net Wt. oz. (g)
HS90	High Tension Hack Saw Frame	4-3/8 - 5 (111-127)	—	—	—	—	26 (737)
MS65	The Original Mini-Saw™	—	—	—	—	—	6 (170)
HACKSAW BLADES							
1218B	Hack Saw Blade	—	12 (305)	1/2 (12.7)	18	.025 (0.64)	—
1232B	Hack Saw Blade	—	12 (305)	1/2 (12.7)	32	.025 (0.64)	—

A close-up photograph of a red hole saw cutting through a piece of light-colored wood. The saw is positioned at the top, with its cutting edge visible. The wood is being cut into a cylindrical shape, and the saw's central bit is visible at the bottom. The background is plain white.

Hole Saws and Utility Knives

Quick Action

Carbide Tipped Hole Saws & Accessories

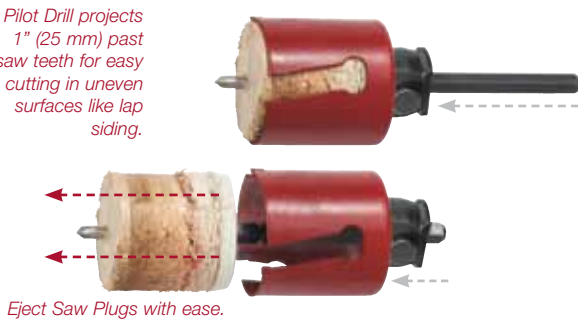
Easily cut thick or layered building materials including wood, wall tile, fiberglass, plastic, even fiber cement siding!*



Quickly attach any one of 19 different Malco hole saws in 3 easy steps!

- 1 Quick Change Pilot Drills with a tight, gripping hex shank are available in both **HIGH SPEED STEEL** and **CARBIDE TIPPED**.
- 2 Unique **Quick Connect Arbor** easily attaches both pilot drill and hole saw quickly and securely.
- 3 Hole Saws work fast with the power of aggressive cutting **CARBIDE TIPPED TEETH** featuring self cleaning deep gullets. Available in 19 sizes!

Pilot Drill projects 1" (25 mm) past saw teeth for easy cutting in uneven surfaces like lap siding.



Cleanly cut holes in walls clad with **FIBER CEMENT SIDING!**



Generous 2-1/4" (57 mm) Saw Depth is also versatile for cutting through a variety of other wall cross-sections.

Specifications

Carbide Tipped Hole Saws

Catalog Number	Hole Diameter in. (mm)	Cutting Depth in. (mm)	Thread Size
HF1	1-3/8 (35)	2-1/4 (57)	5/8-18
HF2	1-7/8 (48)	2-1/4 (57)	5/8-18
HF3	2 (51)	2-1/4 (57)	5/8-18
HF4	2-3/8 (60)	2-1/4 (57)	5/8-18
HF5	2-1/2 (64)	2-1/4 (57)	5/8-18
HF6	2-3/4 (70)	2-1/4 (57)	5/8-18
HF7	3 (76)	2-1/4 (57)	5/8-18
HF8	3-1/2 (89)	2-1/4 (57)	5/8-18
HF9	4 (102)	2-1/4 (57)	5/8-18
HF10	4-1/8 (105)	2-1/4 (57)	5/8-18
HF11	4-1/2 (114)	2-1/4 (57)	5/8-18
HF12	5 (127)	2-1/4 (57)	5/8-18
HF13	5-1/4 (133)	2-1/4 (57)	5/8-18
HF14	5-1/2 (140)	2-1/4 (57)	5/8-18
HF15	6 (152)	2-1/4 (57)	5/8-18
HF16	6-5/16 (160)	2-1/4 (57)	5/8-18
HF17	2-9/16 (65)	2-1/4 (57)	5/8-18
HF18	3-5/8 (92)	2-1/4 (57)	5/8-18
HF19	4-5/8 (117)	2-1/4 (57)	5/8-18

Quick Connect Arbor

Catalog Number	Thread Size	Hex Opening in. (mm)	Use for Carbide Tipped Hole Saws
HA1	5/8-18	13/32 (10)	1-3/8-6-5/16 (35-160)

Quick Change Pilot Drills

Catalog Number	Drill	Hex Shank in. (mm)	Overall Length in. (mm)	Drill Chuck in. (mm)	Use with Arbor
HH1	HSS	13/32 (10)	7-5/16 (186)	1/2 (13)	HA1
HH2	CT	13/32 (10)	7-3/8 (188)	1/2 (13)	HA1

Quick Release Set - Arbor with Pilot Drill

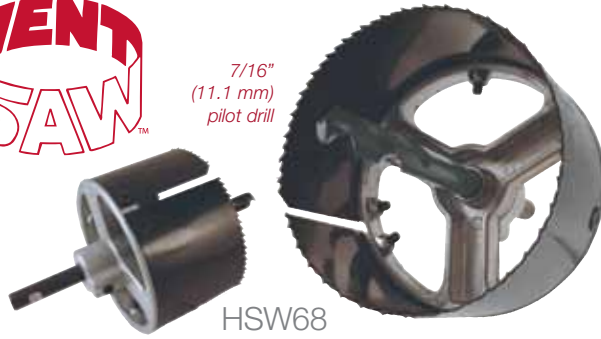
Catalog Number	Drill	Hex Shank in. (mm)	Overall Length in. (mm)	Drill Chuck in. (mm)	Use for Carbide Tipped Hole Saws
HHA1	HSS	13/32 (10)	7-5/16 (186)	1/2 (13)	1-3/8-6-5/16 (35-160)
HHA2	CT	13/32 (10)	7-3/8 (188)	1/2 (13)	1-3/8-6-5/16 (35-160)

* Including popular James Hardie and CertainTeed fiber-cement products.

Word Key: HSS - High Speed Steel CT - Carbide Tipped

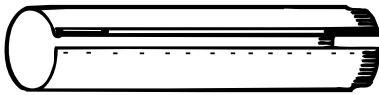


7/16"
(11.1 mm)
pilot drill

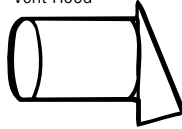


HSW68

Duct Pipe



Vent Hood



HSW68 for 4" (102 mm) Duct Pipe and Vent Hood Holes

HSW97 for 6" (152 mm) Duct Pipe and Vent Hood Holes

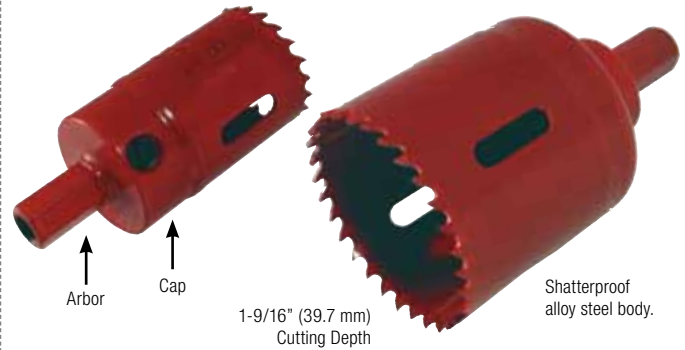
Designed for cutting all types of hard and soft wood, and other non-ferrous materials including plywood, composition board and siding. The Malco VENT SAW™ is indispensable when fitting fresh air intakes through foundation plates, exterior siding or facing materials encountered in residential or light commercial installations of gas or oil fired furnaces. VENT SAW™ features easily replaceable alloy steel blades and a versatile one piece cast aluminum arbor/mandrel combination with a 7/16" (11.1 mm) pilot drill. The webbed mandrel allows easy plug removal and a built-in arbor eliminates the need for separate arbor attachments.

Hole in One™ HOLE SAW

Featuring: Super Sharp and Tough BiMetal By Malco™

4/6 Variable Pitch

Teeth milled into high speed steel edge and microwelded to body. Varied tooth size permits an overall coarser pitch for more aggressive cutting. *Weld uniting arbor to cap proven under extreme test conditions.*



Arbor

Cap

1-9/16" (39.7 mm)
Cutting Depth

Shatterproof
alloy steel body.

The Hole Saw with the Built-in Arbor! a one piece arbor and hole saw combination eliminates the need for separate arbor attachments. 4/6 VARIABLE PITCH TEETH milled into high speed steel edge and micro-welded to body.

BiMetal Hole-in-One™ Kit

Hole Saw selection, pilot drills, arbor extension and driver (for installing pilot) packaged in durable polypropylene case.

All HSK Kits feature each of the following:
2-1/2, 2-1/4, 2, 1-3/4, 1-1/2, 1-3/8, 1-1/8, 7/8 and 3/4"
(63.5, 57.2, 50.8, 44.5, 38.1, 34.9, 28.6, 22.2, 19.1 mm)

Plus (4) HSB drills, (1) HSX extension arbor shank and (1) stubby driver.



Hole Saw Bit

HSB

Hole Saw Extension

HSX



HSK

Specifications

Vent Saws

Catalog Number	Description	Diameter in. (mm)	Depth of Cut in. (mm)	Replacement Blades
HSW68	Vent Saw	4-1/4 (108)	2 (50.8)	RBW68
HSW97	Vent Saw	6-1/4 (159)	2 (50.8)	RBW97
HSRD	Replacement Drill	7/16 (11)	—	—

Hole in One BiMetal Hole Saws

HSK	Maintenance Hole in One™ Kit (See Description Above)	—	—	—
HSB	Hole Saw 1/4" (6.4 mm) Pilot Drill Bit Replacements	—	—	—
HSX	13" (330 mm) Arbor Extension fits Malco Vent Saw™ and Hole in One™ Hole Saws	—	—	—

Catalog Number	Diameter		Pipe (I.D.) Tap Size	Entr. Size	Tubing (I.D.) Coupling	Entr. Size	Coupling	Tool and				
	Inches	mm						Mild Steel	Stainless Steel	Cast Iron	Brass	Aluminum
H30	1-7/8	47.6	-	-	-	-	-	180	90	120	240	270
H32	2	50.8	-	1-1/2	-	-	1-1/2	170	85	115	230	255
H38	2-3/8	60.3	-	-	-	-	-	140	70	95	190	220
H44	2-3/4	69.9	-	-	-	2-1/2	-	125	60	80	160	185

All BiMetal Hole Saws sizes feature 4/6 VARIABLE PITCH TEETH for aggressive cutting in all machinable materials.

Break-Away Knife

BAK



Positive blade locking mechanism and a forever-sharp break-away point. Supplied with 1 heavy duty, 7 point blade in handle.



BAKRB

7 Point Heavy Duty Break-Away Blades for model No. BAK



Double Point Utility Blades

Extra durable, heavy gauge blades fit Malco 3PK, 4PK, 9PK knives & most other brands. Made of special alloy steel, precision ground to a fine cutting edge.

Quickly and safely dispense blades. Straight & Hook point blades are available in convenient 50 pack plastic dispenser.



UBS5 (5 pack)

UBS50 (50 pack)



UBH5 (5 pack)

UBH50 (50 pack)

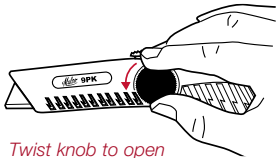
Large hook points work great in multiple layers of asphalt shingles.

Quick Open Knife

9PK



"No tools" blade change is fast and easy with just a turn of the knob. Extra blades store in handle. Retractable blade advances to 3 locked cutting positions with aid of thumb button. Heavy duty, die-cast knife halves feature "integrated hinge" to eliminate lost or dropped parts. Contoured knife shape features "ergonomic safety grip". One blade supplied in retracting mechanism.



Twist knob to open



Displayed Open

Top Button Action

4PK



Die-cast heavy duty model comes complete with 3 double point blades. Safe, easy to operate, thumb action mechanism on top facilitates three cutting positions - fully extended, partially extended for carton opening and intermediate.

Specifications

Catalog Number	Description
BAK	7 point Break-Away Knife
4PK	3 position utility knife (top button)
9PK	Quick Open Utility Knife

Replacement Blades

Catalog Number	Description
BAKRB	Break Away Blades (10 pack, 7 points)
UBS5	Straight Double Point blades (5 pack carded)
UBS50	Straight Double Point blades (50 pack dispenser)
UBH5	Hook Point blades (5 pack carded)
UBH50	Hook Point blades (50 pack dispenser)

Fencing Tools



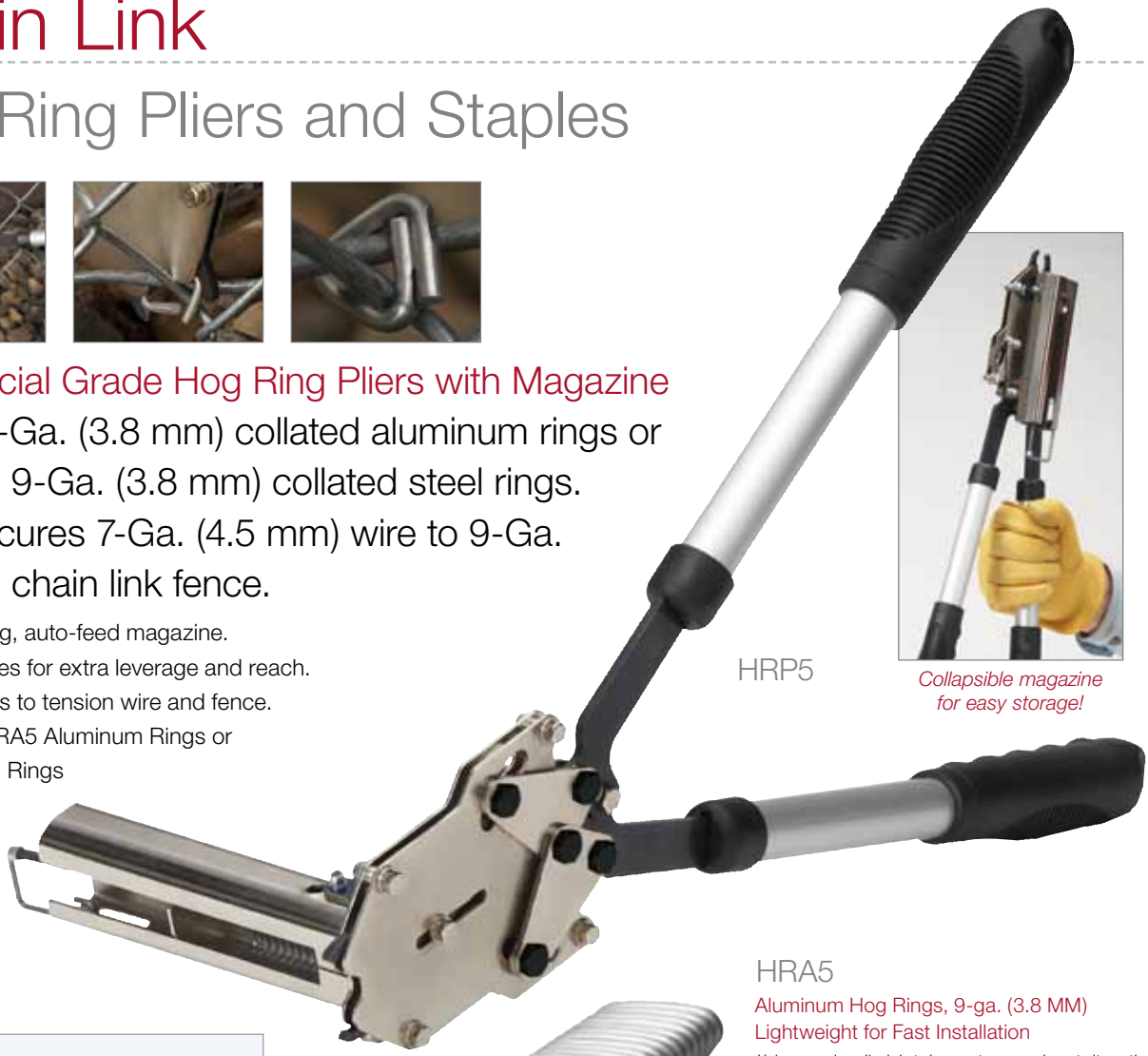
Chain Link

Hog Ring Pliers and Staples



Commercial Grade Hog Ring Pliers with Magazine installs 9-Ga. (3.8 mm) collated aluminum rings or exclusive 9-Ga. (3.8 mm) collated steel rings. Easily secures 7-Ga. (4.5 mm) wire to 9-Ga. (3.8 mm) chain link fence.

- Easy loading, auto-feed magazine.
- Long handles for extra leverage and reach.
- Easy access to tension wire and fence.
- Use with HRA5 Aluminum Rings or HRS5 Steel Rings

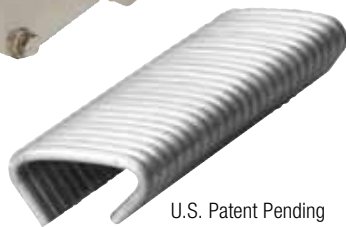


HRP5

Collapsible magazine for easy storage!



Easy to Load and Lock

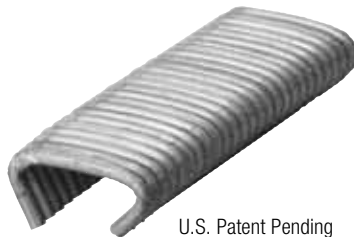


U.S. Patent Pending

HRA5

Aluminum Hog Rings, 9-ga. (3.8 MM) Lightweight for Fast Installation

- Unique overlap clinch is twice as strong as closest alternative.
- 6061-T94 or 5052-H38 Alloy
- 25-piece loading strips with no sharp points are safe and easy to load.
- One 500 pack secures 1000 feet (305 m) of tension wire spaced at 24" (61 cm) intervals.



U.S. Patent Pending

HRS5

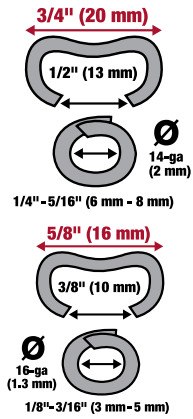
Galvanized Steel Hog Rings, 9-ga. (3.8 MM) Strong and Weather Resistant!

- Unique overlap clinch is twice as strong as closest alternative.
- Class 3 Coating Per ASTM A641
- 25-piece loading strips with no sharp points are safe and easy to load.
- The only collated 9-Ga. steel hog rings on the market.
- One 500 pack secures 1000 feet (305 m) of tension wire spaced at 24" (61 cm) intervals.

Specifications

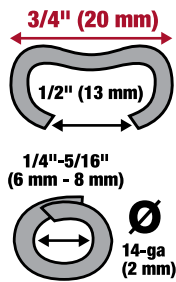
Catalog Number	Description	Hog Ring Usage	Length in. (mm)	Weight lbs. (oz.)	For Tools	Material	Qty.	Crown in. (mm)	Opening in. (mm)	Inside Dia. in (mm)	Thickness Gauge (mm)
HRP5	Hog Ring Pliers w / Mag.	HRA5 / HRS5	20 (50.8)	2.9 (1.32)	—	—	—	—	—	—	—
HRS5	Hog Ring Staples				HRP5	Galvanized Steel	500	1-7/16 (37)	5/8 (16)	7/16 (11)	9 (3.8)
HRA5	Hog Ring Staples				HRP5	Aluminum Alloy	500	1-7/16 (37)	5/8 (16)	7/16 (11)	9 (3.8)

Chain Link Fence Staplers



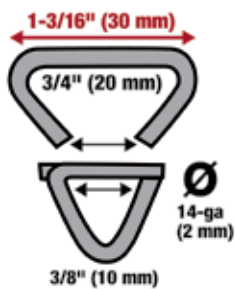
HRP1 Chain link fence stapler

- Lightweight with easy spring actuated action
- Comfortable rubber-gripped handle
- Stop guide ensures proper hold on the hog ring
- 2 built-in wire cutters with 11-gauge (3 mm) capacity
- Compatible with HR1 (5/8", 16 mm) and HR2 (3/4", 20 mm) hog ring staples.



HRP2 Chain link fence stapler with magazine

- 50-staple magazine capacity
- Easy removal of magazine for less storage space
- 2 built-in wire cutters with 11-gauge (3 mm) capacity
- Compatible with HR2 (3/4", 20 mm) hog ring staples



HRP4 Chain link fence stapler with magazine

- Easy fit screw for fast removal of magazine (less storage space)
- 50-staple magazine capacity
- Compatible with HR4 (1-3/16", 30 mm) hog ring staples



Specifications

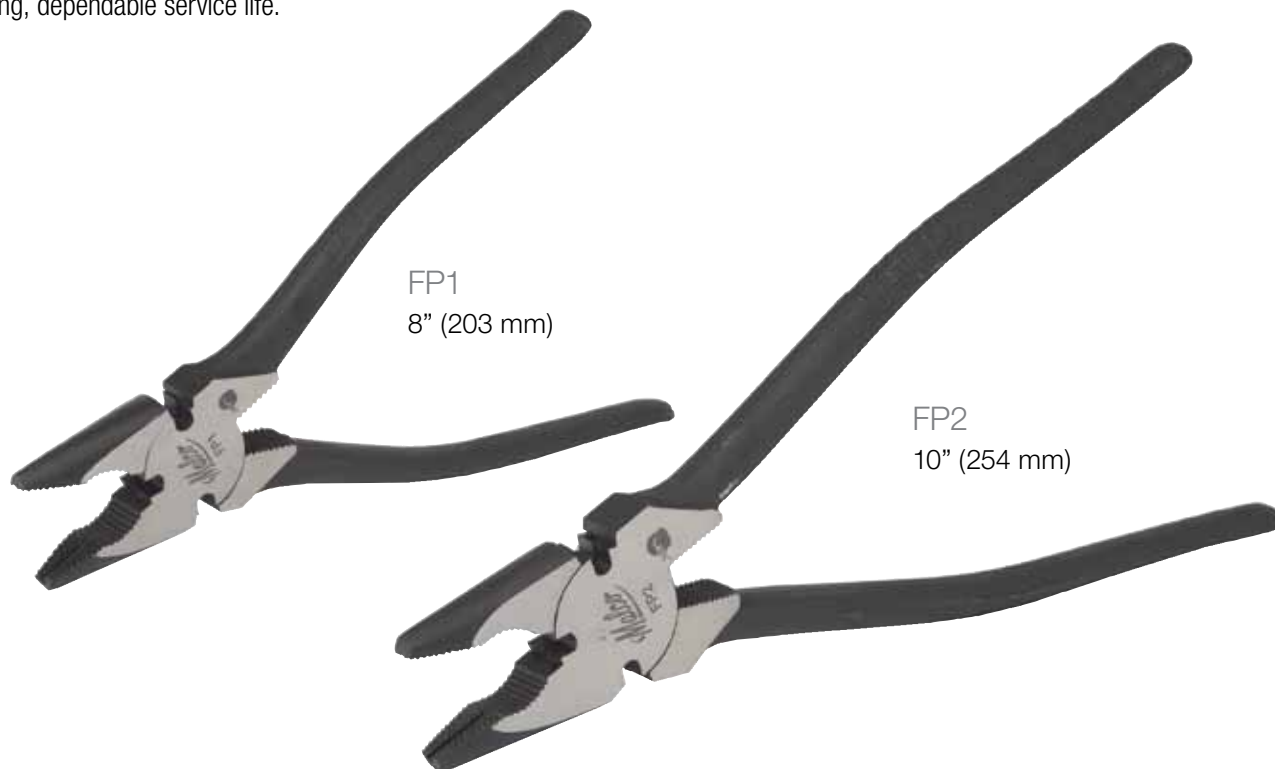
Catalog Number	Description	Hog Ring Usage	Length in. (mm)	Weight oz. (g)	For Tools	Material	Qty.	Crown in. (mm)	Opening in. (mm)	Inside Dia. in (mm)	Thickness Gauge (mm)
HRP1	Hog Ring Pliers	HR1 / HR2	7 (178)	7 (198)	—	—	—	—	—	—	—
HRP2	Hog Ring Pliers with Magazine	HR2	7 (178)	15 (425)	—	—	—	—	—	—	—
HRP4	Hog Ring Pliers with Magazine	HR4	7-3/8 (187)	16 (454)	—	—	—	—	—	—	—
HR1	Hog Ring Staples				HRP1	Galvanized Steel	1250	5/8 (16)	3/8 (10)	1/8-3/16 (3-5)	16 (1.3)
HR1X	Hog Ring Staples				HRP1	Galvanized Steel	250	5/8 (16)	3/8 (10)	1/8-3/16 (3-5)	16 (1.3)
HR2	Hog Ring Staples				HRP1/HRP2	Galvanized Steel	1000	3/4 (20)	1/2 (13)	1/4-5/16 (6-8)	14 (2)
HR2X	Hog Ring Staples				HRP1/HRP2	Galvanized Steel	200	3/4 (20)	1/2 (13)	1/4-5/16 (6-8)	14 (2)
HR4	Hog Ring Staples				HRP4	Galvanized Steel	500	1-3/16 (30)	3/4 (20)	3/8 (10)	14 (2)

Fencing Pliers

for Chainlink Fence

Malco's fencing pliers are available in a highly maneuverable 8-inch (203 mm) length or high leverage 10-inch (254 mm) model.

Both pliers feature three serrated jaw areas for gripping, pulling or tying fence wire. Three built-in wire cutter locations ensure easy access for cutting up to 9-gauge (3.8 mm) chain link fence or tensioning wire. A compact, rounded nose allows either pliers to reach into tight areas. Textured handle surfaces offer sure control and durable hardened all-steel construction offer long, dependable service life.

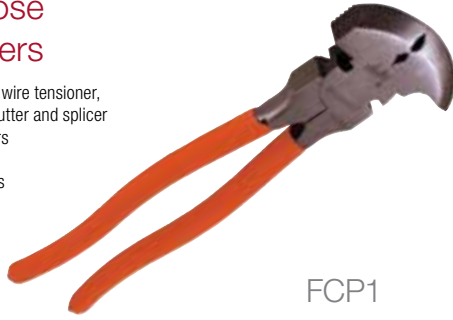


Specifications

Catalog Number	Description	Tool Length in. (mm)	Net Weight oz. (g)
FP1	8" Fencing Pliers	8 (203)	14 (0.40)
FP2	10" Fencing Pliers	10 (254)	20 (0.56)

Multi-Purpose Fencing Pliers

- Combination hammer, wire tensioner, staple remover, wire cutter and splicer
- Two built in wire cutters
- Hammer face
- Claw to remove staples
- All steel body
- Vinyl cushion grips



FCP1

Malco ... by **EDM**

Chain Link Fencing Tensioners

- For easy one-person installation of chain link fencing
- Set of 2 universal chain link fencing tensioners accommodates T-section or round posts
- Claws hold fencing in position while attaching hog ring staples to posts



FTC1

Malco ... by **EDM**

RELATED ITEMS

See our Measuring Wheels on Pg.127

Come-A-Long, 1 Ton

- One ton capacity (0.91 m) puller with dual ratchet wheels & driving pawls for added durability
- Plated steel construction, with a black plastic cover
- Molded grip
- 12' (3.7 m) of 3/16" (4.76 mm) cable
- Swivel hooks inhibit cable twisting



CA1

String and Reel 500 ft. (152 m)

- High visibility string reel used for layout
- Polyethylene reel body with hand crank
- 500 feet of #18 Braided Nylon line



SR1

Vinyl Cutting Circular Saw Blades

VCB1: Versatile 7-1/4" (184 mm) blade is a must have for portable circular saws.

VCB2EV: Big 10" (250 mm) circular blade fits most power miters for making ultra smooth cuts.

VCB3EV: Aggressive cutting 12" (305 mm) blade with carbide tipped teeth for easy cuts in fence post.



VCB1

VCB2EV

VCB3EV

Specifications

Catalog Number	Description	Tool Length in. (mm)	Net Weight oz. (g)	Net Weight lbs. (kg)
CA1	Come-A-Long	26-1/4 (667)	—	6.89 (3.13)
FCP1	Multi-Purpose Fencing Pliers	10-5/8 (270)	25 (709)	—
FTC1	Chain Link Fencing Tensioners	9.5 (241)	—	1 (.45)
SR1	String and Reel 500 ft.	10 (254)	8 (227)	—

Catalog Number	Description	RPM	Teeth	Arbor	Tool Length in. (mm)	Net Weight oz. (g)	Net Weight lbs. (kg)
VCB1	Vinyl Cutting Circular Saw Blade 7-1/4" (184 mm)	6500	186	Universal	—	—	—
VCB2EV	Vinyl Cutting Circular Saw Blade 10" (254 mm)	6500	248	Universal	—	—	—
VCB3EV	Vinyl Cutting Circular Saw Blade 12" (305 mm)	5800	100	Universal	—	—	—

Catalog Number	Description	Replacement	Slot Width in. (mm)	Tool Length in. (mm)	Net Weight lbs. (kg)
VFN3	Vinyl Fence Nibbler	VFN3RPEV	1-1/2 (38)	20 (508)	4.3 (1.95)
VFN4	Vinyl Fence Nibbler	VFN4RPEV	2 (51)	20 (508)	4.3 (1.95)

Vinyl Fence Picket

and Rail Notchers

Designed specifically for use with vinyl fencing, Malco's fence picket and rail notchers make raised tabs in the end sections of vinyl rails and pickets. These louver-shaped tabs create a durable "lock" that prevents the rail or picket from pulling out of the openings.

- Durable, yet lightweight hardened steel frame
- Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel
- Optimum compound leverage design aids in reducing user fatigue
- Works in cold down to 40°F (4.4°C) and heat up to 120°F (48.9°C)



VFN1

Picket & Rail Notcher

Creates 1/2" (13mm) wide, 7/8" (22mm) deep, louver-shaped tabs in vinyl fence pickets and rails, locking the pickets and rails in place.



VFN2

Rail Notcher

Creates 3/4" (19mm) wide, 7/8" (22mm) deep, louver-shaped tabs in vinyl fence rails, locking the rails into post openings.



VFN1



VFN2



Compound leverage and exclusive Redline handles reduce the fatigue of repetitive motions.

Quickly lock rails and pickets in place.

Easily create 1/2" or 3/4" (13mm or 19mm) raised tabs on the job site.

The louver-shaped tabs create a durable lock that can withstand high winds and abrupt blows.

Vinyl Rail Removal Tool

Anyone who has had to remove and rework vinyl fence rails knows the difficulty of performing this task without damaging the rail or post. The economical and work-saving Vinyl Rail Removal Tool from Malco Products is a reliable, safe and easy way to remove rails from vinyl post and rail fences fastened together with a series of notched tabs! This little tool is a must have for all installers.

- Blades are thin stainless steel with an angled lip for easy insertion between rail and post.
- A safety lanyard anchors the tool to prevent injury or loss of tool when extracting rail.
- Easy-to-spot yellow handles.



VRR1



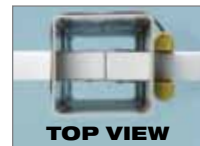
1



2



3

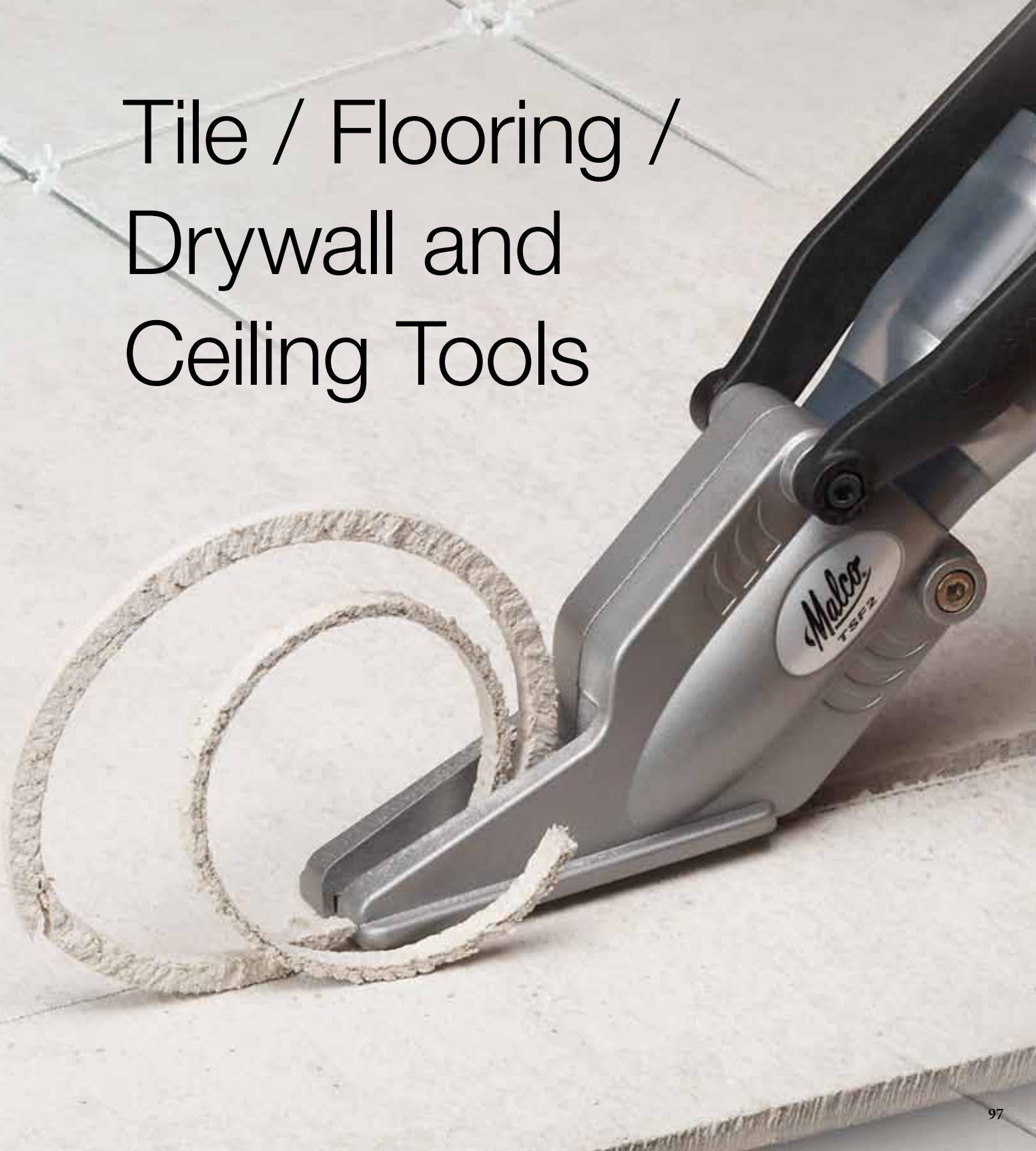


TOP VIEW

Specifications

Catalog Number	Description	Locking Tab Width in. (mm)	Tool Length in. (mm)	Net Weight oz. (g)
VFN1	Picket and Rail Notcher	1/2 (13)	9 (229)	14 (397)
VFN2	Rail Notcher	3/4 (19)	9 (229)	14 (397)
VRR1	Vinyl Rail Removal Tool	—	5 (12.7)	6.72 (191)

Tile / Flooring / Drywall and Ceiling Tools





TurboShear™

Shear Power for Fiber Cement Backerboard

Make your drill a Fiber Cement Backerboard Shear!

Versatile and portable, quickly prep surfaces for tile or flooring. With minimal dust and maximum power, you'll make fast, straight cuts, quick corners and circles in fiber cement backer board and you'll do it all with easy one-hand operation.



Easily cut 1/2" (13 mm) backerboard & 5/16" (8 mm) Siding Plank with minimal dust!



TSF2

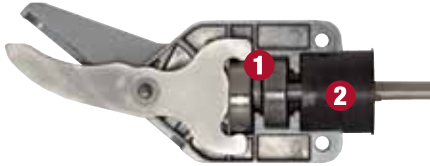
U.S. Patent No. 7,093,365

Cordless Drill Not Included.



- Lightweight Shear head for easy one-hand control.
- Long lasting blades make fast, clean trim cuts and mild arcs in fiber cement backerboard anywhere on the job.
- No. TSDC Drill clamp included for one-hand operation.
- Minimum 14.4 volt 3/8" (9.53 mm) Cordless or Corded Drill required.

Streamlined Design

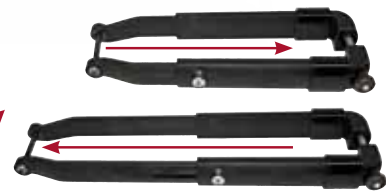


1. Long-life, dual ball bearings 2. Non-slip flats on drive shaft.

Easy to Use!




Telescoping Drill Clamp adjusts to fit any corded or cordless drill, including compact Lithium-ion models.



TSDC

Specifications

Catalog Number	Description	Net Wt. oz. (g)	Net Wt. lbs. (kg)
TSF2	TurboShear, Fiber Cement Backerboard	—	2.5 (1.13)
Replacement Parts			
TSDC	TurboShear Drill Clamp	8 (227)	—
TSCG	TurboShear Heavy-Duty Chuck Guard	—	.06 (0.03)
TSF2RBN	TurboShear Replacement Blades for TSF2 shown above	—	—
TSF2RB	TurboShear Replacement Blades for original TSF2	—	—



WARNING: Fiber cement contains crystalline silica. Respirable silica contained in cutting dust is known to cause cancer.



TurboShear™ Air Powered

Shear Power for Fiber Cement Backerboard

Clean, Accurate and FASTER!



Precise Arcs



Straight Shearing



Long Lasting Blades



This pneumatic TurboShear will cut 1/2" (13 mm) Fiber Cement Backerboard quickly with minimal dust! The 2600 RPM motor unit gives you all the added power and speed you need for volume cutting at the job-site.

- Long lasting blades make fast, clean trim cuts and mild arcs in fiber cement backerboard siding anywhere on the job.
- Lightweight Shear head for easy one-hand control.
- Attaches to your existing Air Supply
- Min. 2600 RPM—4CFM, 133 L/Min. 90 PSI, 6.2 Bar

Use your existing Air Supply!

**2600 RPM
2600 TR/Min**

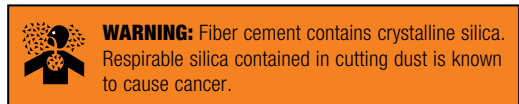
**4 CFM, 133 L/Min
90 PSI, 6.2 Bar**

Both the TSF2 and TSF2A models feature heat-treated high carbon steel blade and reversible skid plate assure long service life.

45° Clearance

Specifications

Catalog Number	Description	Net Wt. oz. (g)	Net Wt. lbs. (kg)
TSF2A	TurboShear, Pneumatic Fiber Cement Backerboard	—	3.6 (1.63)
Replacement Parts			
TSF2RB	TurboShear Replacement Blades for TSF2A	—	—



Punch Lock

Metal Stud Crimper

Compound leverage increases mechanical advantage nearly 7 to 1. Simply squeeze handles together with one hand while holding stud in place.

A unique punch and die shape creates a rectangular crimp, bending over thicknesses of channel and stud at the same time to form a sturdy bond. Crimp is always the proper strength and resists stress from any angle. Spring return handles snap the punch back in a ready position to go on to the next stud or fastening point. Lightweight and compact size allows the user to work overhead or in tight quarters with ease. Tool fits inside the smallest stud and runner. Punch and dies are constructed from high quality tool steel and are easily replaceable. Body of tool consists of an aluminum die cast 'C' frame and rust resistant, nickel plated steel handles and parts. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel.



Maximum capacity
22 gauge stud and runner.



Enlarged Crimp Connection

PL1R

Powerful compound leverage design

Unique Punch and Die are easily replaceable

Secures any width Stud and Runner without screws or other fasteners.

Compound Leverage Channel Shear

Compound leverage shear cuts through 20 gauge metal studs and runner faster, easier and more economically than any other tool on the market.

Shear completes cut in one easy stroke without deforming metal channel. Die assembly assures that cutting action is clean and precise. Hollow ground hardened steel blade can be resharpened or replaced. A 36" (91 cm) long handle provides additional leverage making cutting with this shear almost effortless. Lightweight and portable enough to be where you want it, when you want it. Model SRC24A cuts 3 basic channel sizes 1-5/8, 2-1/2 & 3-5/8" (41.3, 63.5 and 92.1 mm) stud and accommodating runners. Shear features rugged all steel and bolt construction. Handle has red vinyl comfortable grips.



SRC24A

Specifications

Catalog Number	Description	Throat Depth in. (mm)	Variable Leverage Ratio (High / Low) throughout stroke	Cuts Both Stud & Runner Sizes in. (mm)	Punch / Frame	Height in. (mm)	Length in. (mm)	Net Wt. oz. (g)	Net Wt. lbs. (kg)
PL1R	Punch Lock / Stud Crimper	1-1/2 (38.1)	—	—	—	—	—	16 (454)	
SRC24A	Compound Leverage Channel Shear	—	Shear Action (Punch)	1-5/8, 2-1/2, 3-5/8 (41, 64, 92)	Steel / Aluminum	8 (20)	36 (91)	—	23 (10.4)
CAPACITIES		Material	Galvanized Steel 20 Gauge	Galvanized Steel 22 Gauge					
PL1R	inches (mm)	—	—	0.034 (0.86)					
SRC24A	inches (mm)	0.040 (1.02)	—	—					

Replacement Parts

PLD1	Replacement Punch and Die
10627	SRC24A— One replacement blade and two spacers. Field Replacement

1/8" (3.2 mm) Ceiling Grid Punch

Malco's unique, Ceiling Grid Punch makes a clean 1/8" (3.2 mm) hole in up to three layers of 25 gauge (0.53 mm) ceiling grid.

The tool's slim but strong steel "C" frame allows easy access in tight corners and is ideal for punching through main tees and perimeter wall angle that is to be secured with rivets. A generous throat opening allows full operation from the edge of both standard 1" and 1/2" (25.4 & 12.7 mm) grid profiles. The Malco Ceiling Grid Punch features durable all steel construction and rust resistant nickel plate and black oxide finishes; the tool steel punch is easily replaceable. Lightweight, one hand operation, aided by compound leverage, helps assure a consistent professional quality installation. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel.



CGPR



Work overhead and in tight corners!

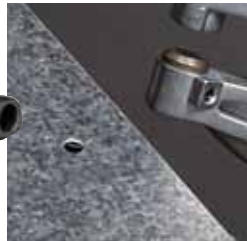
1/8" (3.2 mm) - 3/16" (4.8 mm) Hole Punch

Does the work of more expensive bulkier punches faster and easier. Use in any edge application for making holes in window extrusions, metal ductwork or sheet stock.

Compound leverage increases one hand mechanical advantage 8 to 1. Spring return handles allow quick set-up for repetitive applications. Stop gauge permits adjustments from 1/4" to 1-1/8" (6.4 to 28.6 mm) depths from edge of material. Punch and die are easily replaceable or changed to another size. Punch and dies are constructed from high quality tool steel used in commercial high production punch press dies. Body of tool consists of lightweight, aluminum die cast 'C' frame and rust resistant nickel plated steel handles and parts. Ergonomic Redline Handles with unique one-hand operation latch offer maximum compound leverage performance and natural fit and feel.



HP18KR



Easily interchangeable 1/8" (3.2 mm) and 3/16" (4.8 mm) punches and dies supplied with tool.

Compound Handle Leverage for maximum ease of operation.

Specifications

Catalog Number	Description	Punch in. (mm)	Variable Leverage Ratio (High / Low) throughout stroke	Punch / Frame	Length in. (mm)	Net Wt. oz. (g)
CGPR	Ceiling Grid Punch	1/8 (3.2)	6.7 to 1.0 - 8.4 to 1.0	Tool Steel / Alloy Steel	—	16 (454)
HP18KR	Hole Punch	1/8 (3.2) & 3/16 (4.8)	6.7 to 1.0 - 8.4 to 1.0	Tool Steel / Alloy Steel	9 (229)	16 (454)
CAPACITIES	Material	Aluminum	Copper	Stainless Steel 26 Gauge	Galvanized Steel 24 Gauge	Mild Steel 22 Gauge
CGPR	inches (mm)	—	—	—	.028 (0.71) up to 3 layers	.030 (0.76) up to 3 layers
HP18KR	inches (mm)	—	—	—	.028 (0.71) up to 2 layers	.024 (0.61) up to 2 layers
Replacement Punches and Dies						
CGP18	1/8" (3.2 mm) Replacement Punch Only (Die is part of frame) for CGPR					
HPD18	1/8" Replacement Punch & Die Kit for HP18KR					
HPD316	3/16" Replacement Punch & Die Kit for HP18KR					
Optional Metric Punches and Dies for HP18KR						
HPD36M	3.6 mm Replacement Punch & Die Kit					
HPD41M	4.1 mm Replacement Punch & Die Kit					
HPD63M	6.3 mm Replacement Punch & Die Kit					

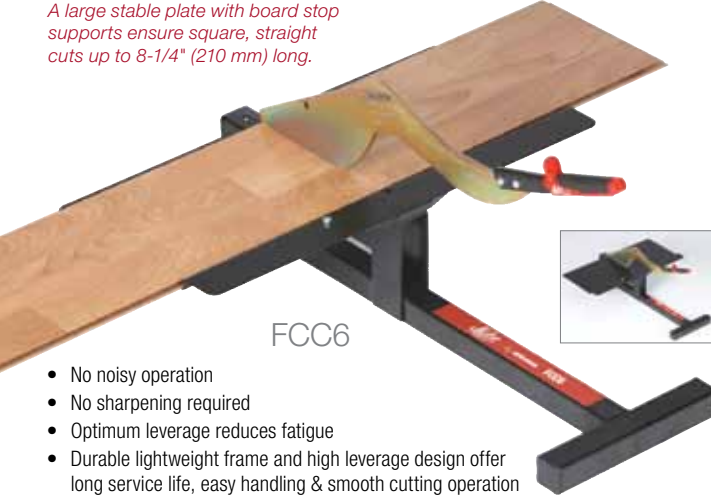
Guillotine Shear for Laminate Flooring

Quickly make square cuts in 5/16" (8 mm) laminate flooring.

A large stable plate with board stop supports ensure square, straight cuts up to 8-1/4" (210 mm) long.



Fast, straight, clean cuts without distortion.



FCC6

- No noisy operation
- No sharpening required
- Optimum leverage reduces fatigue
- Durable lightweight frame and high leverage design offer long service life, easy handling & smooth cutting operation
- Cuts cleanly without distortion
- Generates minimal dust

Hand Nibbler for Fiber Cement Backer Board

- Cuts cleanly without distortion
- Makes fine, precise trim cuts and round cuts with ease
- Generates minimal dust

FCC5



Vinyl Cutting Andy™ Snips

Easily cut through heavy vinyl flooring. Lightweight 12" (31 cm) aluminum handled combination snip, features a big 3" (76 mm) cutting depth.

Smooth cutting action for thick vinyl flooring and other flexible non-ferrous materials



MV12



Easy Dispensing Caulking Gun

Designed for longer dispensing life



CG18

- Trigger adjustment screw compensates for normal wear to assure full dispensing stroke and extend tool life.
- Rotating barrel for maneuverability and easy caulk placement.
- Slotted front for easy loading.
- Ladder size hang hook.

Flexible / Lightweight Caulking Gun



CG12

- Compact design stores in a toolbox.
- Handy puncture wire.
- Ladder size hang hook.

Professional Caulking Gun

Square Piston Design



CG20

- Powerful ratcheting action minimizes worker fatigue.
- User can regulate stroke to fit hand.
- Handy puncture wire folds inside handle.

Utility Caulking Gun

- Slotted front for easy loading.



CG10

Specifications

Catalog Number	Description	Length of Cut in. (mm)	Tool Length in. (cm)	Application	Cartridge Capacity	Cartridge Diameter	Length in. (mm)	Net Wt. oz. (g)	Net Wt. lbs. (kg)
CG10	Utility Caulking Gun	—	—	—	1/10 gallon	2 (51)	8-1/2 (216)	17 (482)	—
CG12	Flexible / Lightweight Caulking Gun	—	—	—	1/10 gallon	2 (51)	8-1/2 (216)	25 (709)	—
CG18	Versatile, Easy Dispensing Caulking Gun	—	—	—	1/10 gallon	2 (51)	8-1/2 (216)	28 (794)	—
CG20	Utility Caulking Gun	—	—	—	1/10 gallon	2 (51)	8-1/2 (216)	28 (794)	—
FCC5	Fiber Cement Backerboard Hand Nibbler	—	—	Fiber Cement Backer Board	—	—	—	—	1.4 (0.64)
FCC6	Laminate Flooring Guillotine	—	—	Laminate Flooring	—	—	—	—	22 (9.98)
MV12	Multi-Purpose Andy™ Snips	—	3 (76.2)	Non-Ferrous Material	—	—	—	12 (31)	20 (567)

Replacement Blades for MV12

MV12RB	Carbon Steel Replacement Blades
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Fasteners



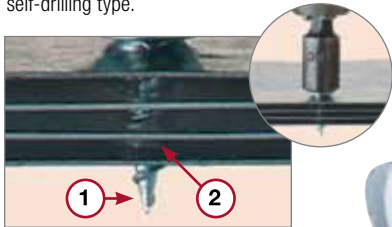
Self-Piercing

Sheet Metal Screws

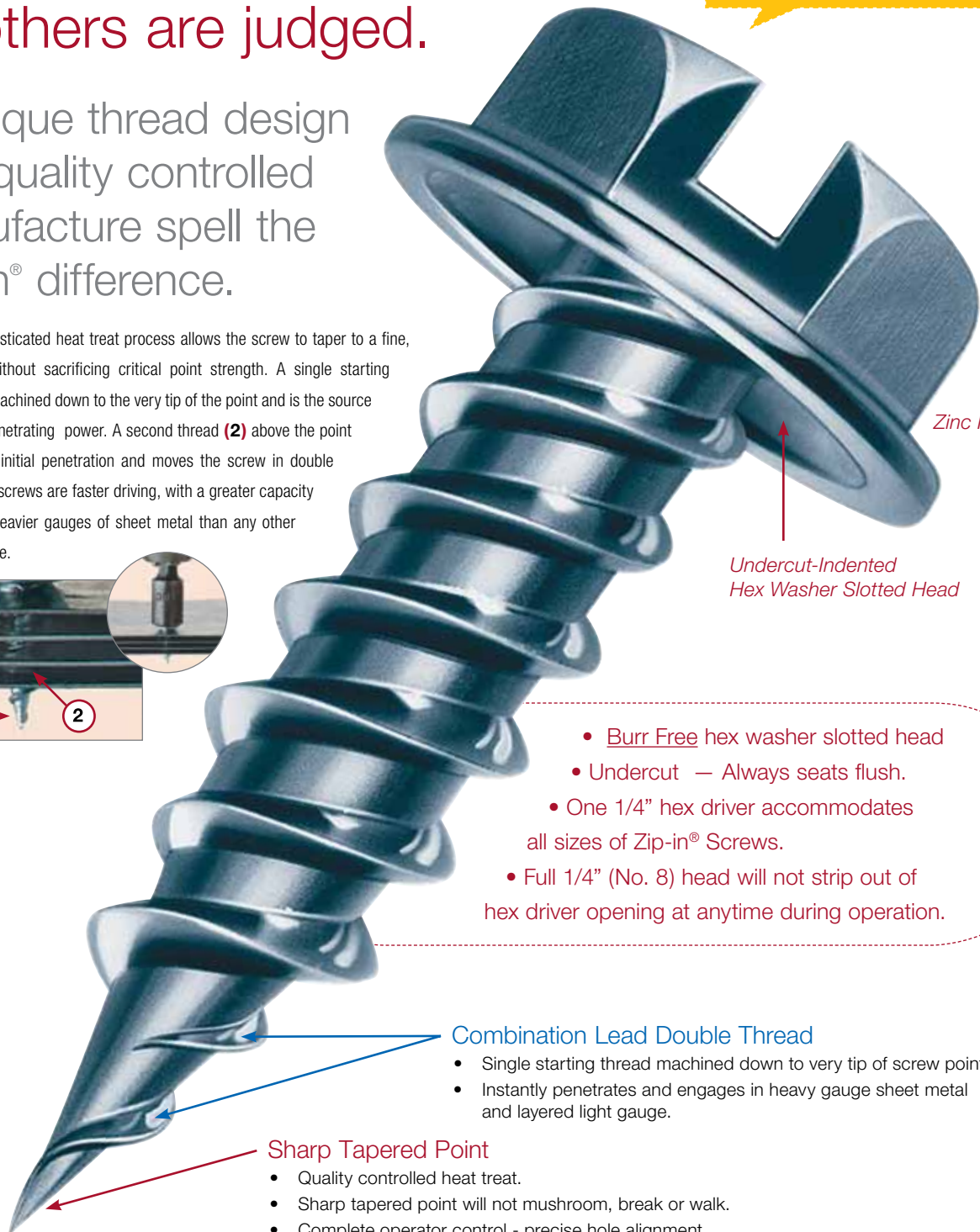
The Standard by which all others are judged.

A unique thread design and quality controlled manufacture spell the Zip-in® difference.

Zip-in's® sophisticated heat treat process allows the screw to taper to a fine, sharp point without sacrificing critical point strength. A single starting thread (1) is machined down to the very tip of the point and is the source of Zip-in's® penetrating power. A second thread (2) above the point engages after initial penetration and moves the screw in double fast. Zip-in's® screws are faster driving, with a greater capacity for fastening heavier gauges of sheet metal than any other self-drilling type.



Rated #1
Zip-in® Screws are the best selling sheet metal screws worldwide.



Zinc Plated

Undercut-Indented Hex Washer Slotted Head

- Burr Free hex washer slotted head
- Undercut — Always seats flush.
- One 1/4" hex driver accommodates all sizes of Zip-in® Screws.
- Full 1/4" (No. 8) head will not strip out of hex driver opening at anytime during operation.

Combination Lead Double Thread

- Single starting thread machined down to very tip of screw point.
- Instantly penetrates and engages in heavy gauge sheet metal and layered light gauge.

Sharp Tapered Point

- Quality controlled heat treat.
- Sharp tapered point will not mushroom, break or walk.
- Complete operator control - precise hole alignment.

U.S. Patent No. D524,638



Look for the Dots!® Trademarked & Patented Head Markings indicate one and only genuine Zip-ins®.

Self-Piercing Sheet Metal Screws

Specifications

Catalog Number	Description	Head Color	Head Size
Zip-in® Screws			
HW6x3/8Z	Zip-in® Screw	● Zinc Plated	1/4"
HW7x1/2Z*	Zip-in® Screw	● Zinc Plated	1/4"
HW8x1/2Z*	Zip-in® Screw	● Zinc Plated	1/4"
HW8x3/4Z*	Zip-in® Screw	● Zinc Plated	1/4"
HW8x1Z*	Zip-in® Screw	● Zinc Plated	1/4"
HW8x1-1/2Z*	Zip-in® Screw	● Zinc Plated	1/4"
HW8x2Z*	Zip-in® Screw	● Zinc Plated	1/4"
HW10x1/2Z	Zip-in® Screw	● Zinc Plated	1/4"
HW10x3/4Z	Zip-in® Screw	● Zinc Plated	1/4"
HW10x1Z	Zip-in® Screw	● Zinc Plated	1/4"

Square Pan Head Robertson® Style Zip-in® Screws

PS8x1/2Z	#2 Square Pan Head	● Zinc Plated	#2
PS10x1/2Z	#2 Square Pan Head	● Zinc Plated	#2
PS10x3/4Z	#2 Square Pan Head	● Zinc Plated	#2

White Painted Zip-in® Register Screws

HW8x1-1/2ZW	Zip-in® Screw	○ White (W)	1/4" Hex Slotted
HW8x2ZW	Zip-in® Screw	○ White (W)	1/4" Hex Slotted
HW8x3ZW	Zip-in® Screw	○ White (W)	1/4" Hex Slotted
PO8x2ZW	Zip-in® Screw	○ White (W)	#2 Phillips

Painted Sheet Metal Screws

HW6x3/8ZA	Sheet Metal Screw	● Almond (A)	1/4"
HW6x3/8ZCC	Sheet Metal Screw	● Classic Cream (CC)	1/4"
HW6x3/8ZCL	Sheet Metal Screw	● Clay (C)	1/4"
HW6x3/8ZMB	Sheet Metal Screw	● Musket Bronze (MB)	1/4"
HW6x3/8ZRB	Sheet Metal Screw	● Royal Brown (RB)	1/4"
HW6x3/8ZW	Sheet Metal Screw	○ White (W)	1/4"
HW7x1/2ZA	Sheet Metal Screw	● Almond (A)	1/4"
HW7x1/2ZCC	Sheet Metal Screw	● Classic Cream (CC)	1/4"
HW7x1/2ZCL	Sheet Metal Screw	● Clay (C)	1/4"
HW7x1/2ZMB	Sheet Metal Screw	● Musket Bronze (MB)	1/4"
HW7x1/2ZRB	Sheet Metal Screw	● Royal Brown (RB)	1/4"
HW7x1/2ZW	Sheet Metal Screw	○ White (W)	1/4"
HW8x1ZRB	Sheet Metal Screw	● Royal Brown (RB)	1/4"
HW8x1ZW	Sheet Metal Screw	○ White (W)	1/4"
HW8x3/4ZRB	Sheet Metal Screw	● Royal Brown (RB)	1/4"
HW8x3/4ZW	Sheet Metal Screw	○ White (W)	1/4"

Drill-In Screws Type A, Single Thread

HW10x1-1/2	Drill-In Screw	● Zinc Plated	5/16"
HW10x2	Drill-In Screw	● Zinc Plated	5/16"
HW12x2	Drill-In Screw	● Zinc Plated	5/16"

Catalog Number	Anchor Size	Screw Size(s)	For Screw Size	Uses Bit Diameter	Anchor Kit Quantity
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Red Lip Plastic Anchors

PA810	3/16" x 7/8"	—	8-9-10	3/16"	—
PA1012	1/4" x 1"	—	10-12	1/4"	—
PA1416	5/16" x 1-3/8"	—	14-16	5/16"	—

Red Lip Plastic Anchor Kits

PA810K	3/16" x 7/8"	SP8x1	—	3/16"	100
PA1012K	1/4" x 1"	SP10x1-1/4	—	1/4"	100
PA1416K	5/16" x 1-3/8"	SP14x1-1/2	—	5/16"	50

Red Lip Plastic Anchor Kits with Hex Washer Screws

PA810KW	3/16" x 7/8"	HW8x1Z	—	3/16"	100
PA1012KW	1/4" x 1"	HW10x1Z	—	1/4"	100

* Denotes popular screw sizes available in pails.



New!

Robertson® Style Square Pan Head Zip-in® Screws

(See Page 116 for compatible driver bits)



2-Inch Length Phillips Oval Head



3-Inch Length 1/4" Hex Head

Painted Sheet Metal / Drill-In Screws



Drill-In Screws Type A, Single Thread

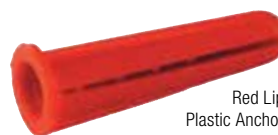


Packaged in Bags and Tubs.

Painted Sheet Metal Screws

Red Lip Plastic Anchors Kits / Kits with Hex Washer Heads

Use with wood, sheet metal or lag screws. Flexible anchor is ideal for masonry or stone. Lip on collar prevents anchor from pushing through hole in hollow walls.



Red Lip Plastic Anchor



PA1012K

Red Lip Plastic Anchor Kits

All kits contain equal quantities of anchors and screws with one matching carbide tipped drill bit.

Consult Malco Price Book for specific package quantities available for each screw size. Count on Malco for full, accurate piece counts in every Zip-in® package you buy. Note: Package sizes available in handy boxes, tubs, bulks & pails.

Drill & Tap

Screws

The One Operation Fastener with a True Drilling Action Point

By drilling its own hole, Bit-Tip® produces the optimum hole size, resulting in better thread engagement and a tighter fit. One operation fastening also means no alignment problems.

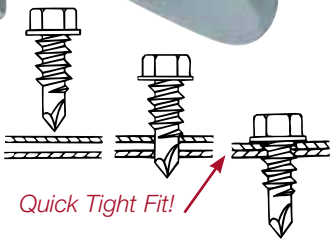
Bit-Tip® has a wide range of industry applications. Select the Bit-Tip® that's right for the job. Point length will determine metal thickness that can be drilled, tapped and fastened. Also, plywood, soft wood, composition board, drywall, insulation and laminates may be fastened to metal framing or components.

Made from strong, high quality, specially heat treated steel. Bit-Tip® Self Drilling and Tapping Screws are precision cold forged insuring uniformity of dimension and drill point contours.

The versatile Bit-Tip® Screw is an excellent replacement for fastening operations now using rivets, nuts and bolts, spot welds or adhesives. Bit-Tip® also eliminates the need for costly auxiliary fastening equipment such as drill bits, taps and welding equipment.

Requires only a standard screw gun power tool rated at 2500 RPM equipped with drilling depth locator.

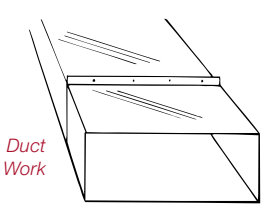
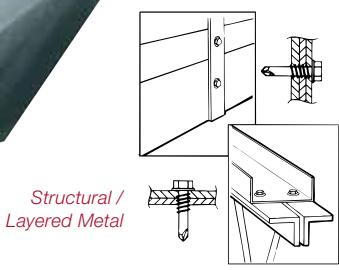
Time Saver
Bit-Tip® Drill and Tap Screws produce optimum hole size for a quick tight fit!



Now Even Faster!

Drill & Tap Screws drill their own holes, taps a matching thread in steel .220 thick in less time than it takes to drill a pilot hole for other standard fasteners.

Industrial Applications:



Choose from: Hex or Slotted Hex Washer Heads



U.S. Patent No. D524,638



Look for the Dots! ® Trademarked & Patented Head Markings indicate one and only genuine Bit-Tips®.

Drill & Tap Screws Specifications



NOTE: Package sizes available in handy boxes, tubs, bulks and Pails.

* Denotes availability in pail.

Material thickness recommendation for Bit-Tips®

					For This Material Thickness			
					.050	.100	.150	.200
Bit-Tip Screw #2 Point	BT131	HW	8-18x1/2	1/4	.035	.100		
	BT132	HW	8-18x5/8	1/4				
	BT133	HW	8-18x3/4	1/4				
	BT134	HW	8-18x1	1/4				
	BT231	HS	8-18x1/2	1/4				
	BT233	HS	8-18x3/4	1/4				
Bit-Tip Screw #3 Point	BT141	HW	10-16x1/2	5/16	.035	.110		
	BT142	HW	10-16x5/8	5/16				
	BT143*	HW	10-16x3/4	5/16				
	BT144	HW	10-16x1	5/16				
	BT153	HW	10-24x3/4	5/16				
	BT156	HW	10-24x1-1/2	5/16				
Bit-Tip Screw #3 Point	BT163	HW	12-14x3/4	5/16	.110	.210		
	BT164	HW	12-14x1	5/16				
	BT174	HW	1/4-14x1	3/8				

Consult Malco Suggested Trade Prices for specific package quantities available for each screw size.

Count on Malco for full, accurate piece counts in every Bit-Tip® package you buy.

Test results furnished are given purely as a guide and do not constitute a warranty of any type. Results may vary by modification to the fastener or in certain applications.

Bit-Tip® Screw Strength

			Pull-out values (lbs), in common steel gauges									Thread Strength lbs.	Torsional Strength lbs.		
			26	24	22	20	18	16	14	13	1/8	10	3/16		
6	20	#2	141	208	268	331	513	633	874					1125	24
	18	#2	150	187	289	334	507	643	977					1575	42
10	16	#2	145	235	295	364	572	708	1,015	1,972				2100	61
	24	#3								1,528	2,120	2,199		2350	65
12	14	#3								1,541	1,990	2,650	3,515	2800	92
1/4	14	#3								1,504	1,818	2,413	3,190	3850	150
	14	#3								1,788	2,330	2,830	4,420	4275	168

Blind Rivets



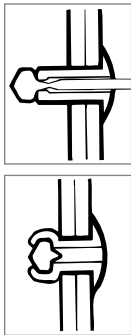
Steel / Aluminum / Stainless / Copper / Painted & Washers

Painted Rivets

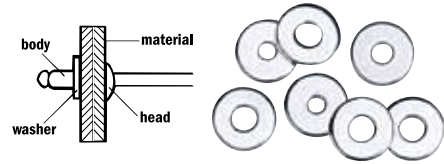
Aluminum Rivet and Mandrel

AA42DCC =	○	Classic Cream
AA42DMB =	●	Musket Bronze
AA42DRB =	●	Royal Brown
AA42DW =	○	White
AA44DMB =	●	Musket Bronze
AA44DRB =	●	Royal Brown
AA44DW =	○	White

Available in 100 piece bags.
See price list for more package sizes.



Rivet Washers



Back up washers for riveting in soft materials. Non-blind applications only. Install washer on rivet head protruding through backside of material to be fastened. Washers are zinc plated steel.

Catalog Number	Size in. (mm)	Inside Dia. in. (mm)	Outside Dia. in. (mm)	Thickness in. (mm)
4RW	1/8 (3.18)	.130 (3.30)	.500 (12.70)	.0478 (1.21)
5RW	5/32 (3.98)	.160 (4.06)	.500 (12.70)	.0478 (1.21)
6RW	3/16 (4.75)	.191 (4.85)	.500 (12.70)	.0478 (1.21)

Shear and Tensile Strengths



Rivet / Mandrel	Rivet Dia.	Minimum Shear	Tensile lbs.
Steel Rivet	1/8"	260	310
Steel Mandrel	3/16"	540	680
Aluminum Rivet	1/8"	120	150
Aluminum Mandrel	3/16"	260	320
Aluminum Rivet	1/8"	120	150
Steel Mandrel	3/16"	260	320
Stainless Rivet	1/8"	420	530
Either Mandrel	3/16"	950	1200
Copper Rivet Steel Mandrel	1/8"	350	450

Specifications * DW= White Painted Rivets (indicated by the ○). See above for more painted rivets.

Rivet Diameter	Description	Hole Size # / Drill #	Rivet Diameter	Rivet Body Length	Rivet Body Diameter	Rivet Head Width	Rivet Head Thickness	Grip
SS42D	Steel Rivet Plated Steel Mandrel	—	1/8"	.232	.125	.250	.032	.063-.125
SS43D	Steel Rivet Plated Steel Mandrel	—	1/8"	.294	.125	.250	.032	.126-.187
SS44D	Steel Rivet Plated Steel Mandrel	—	1/8"	.357	.125	.250	.032	.188-.250
SS46D	Steel Rivet Plated Steel Mandrel	—	1/8"	.481	.125	.250	.032	.313-.375
SS42DW * ○	Steel Rivet Plated Steel Mandrel (White)	.232 / Drill #30	1/8"	.125	.250	.032	.063-.125	—
SS44DW * ○	Steel Rivet Plated Steel Mandrel (White)	.357 / —	1/8"	.125	.250	.032	.188-.250	.126-.187
SS62D	Steel Rivet Plated Steel Mandrel	—	3/16"	.277	.187	.375	.047	.020-.125
SS64D	Steel Rivet Plated Steel Mandrel	.192-.196 / —	3/16"	.402	.187	.375	.047	.188-.250
SS66D	Steel Rivet Plated Steel Mandrel	— / Drill #11	3/16"	.527	.187	.375	.047	.251-.375
AA42D	Aluminum Rivet Aluminum Mandrel	—	1/8"	.232	.125	.250	.032	.063-.125
AA43D	Aluminum Rivet Aluminum Mandrel	—	1/8"	.294	.125	.250	.032	.126-.187
AA44D	Aluminum Rivet Aluminum Mandrel	—	1/8"	.357	.125	.250	.032	.188-.250
AA46D	Aluminum Rivet Aluminum Mandrel	—	1/8"	.481	.125	.250	.032	.313-.375
AA48D	Aluminum Rivet Aluminum Mandrel	.128-.132 / —	1/8"	.606	.125	.250	.032	.376-.500
AA42DW * ○	Aluminum Rivet Aluminum Mandrel (White)	.232 / Drill #30	1/8"	.125	.250	.032	.063-.125	—
AA44DW * ○	Aluminum Rivet Aluminum Mandrel (White)	.357 / —	1/8"	.125	.250	.032	.188-.250	—
AA64D	Aluminum Rivet Aluminum Mandrel	— / Drill #11	3/16"	.527	.187	.375	.047	.251-.375
AS42D	Aluminum Rivet Plated Steel Mandrel	—	1/8"	.232	.125	.250	.032	.063-.125
AS44D	Aluminum Rivet Plated Steel Mandrel	—	1/8"	.357	.125	.250	.032	.188-.250
SS/SS42D	Stainless Rivet Stainless Mandrel	—	1/8"	.232	.125	.250	.032	.063-.125
SS/SS44D	Stainless Rivet Stainless Mandrel	—	1/8"	.357	.125	.250	.032	.188-.250
SS/SS46D	Stainless Rivet Stainless Mandrel	—	1/8"	.481	.125	.250	.032	.313-.375
SS/SS48D	Stainless Rivet Stainless Mandrel	.128-.132 / —	1/8"	.606	.125	.250	.032	.376-.500
CS42D	Copper Rivet Plated Steel Mandrel	—	1/8"	.232	.125	.250	.032	.063-.125
CS44D	Copper Rivet Plated Steel Mandrel	—	1/8"	.357	.125	.250	.032	.188-.250

Fastener Tools & Accessories



Jobber Drill Sets

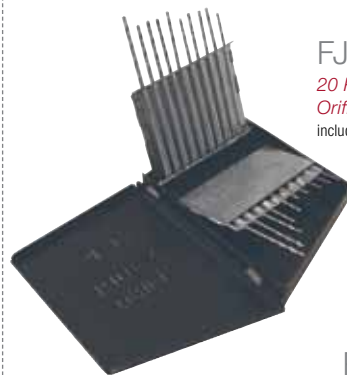


FJ13S
13 Piece Set



FJ60S
60 Piece
Wire Gauge Set

Orifice Drill Set



FJ6180
20 Piece
Orifice Drill Set
includes: PV1 Pin Vise

PV1

Use in hand or insert in drill chuck.
Pin Vise holds wire gauge drill sizes 60 to 97.

High Speed Jobber Length Drills



General purpose drills. 118° conventional point angle allows deep drilling in a variety of materials including metal.

Sheet Metal Drills



Sheet metal drills with 135° split point design bite into metal precisely where wanted - will not wander.

Double Ender Sheet Metal Drills



Two Points for twice the life, twice the convenience!
Available in Bulk Packs!

Specifications

Catalog Number	Description	Set Contents	Capacity	Length in.
FJ13S	13 Piece Jobber Drill Set	Fractional sizes in metal DRILDEX container Sizes: 1/16 to 1/4" x 64ths		
FJ60S	60 Piece Jobber Wire Gauge Set	Wire gauge sizes in metal DRILDEX container Sizes: 1 to 60		
FJ6180	20 Piece Orifice Drill Set	Wire gauges sizes for drilling or cleaning oil and gas orifices. Metal DRILDEX container. Sizes: 61 to 80. Includes pin vise.		
PV1	Pin Vise	—	Ga. sizes 60-97	3"

High Speed Jobber Length Drills (Fractional Sizes)

Catalog Number	Description	Decimal Equivalent in.	Length Overall in.	Length of Twist in.	Package Size
FJ1/8	High Speed Jobber Length Drill Bit	.1250	2-3/4	—	—
FJ3/16	High Speed Jobber Length Drill Bit	.1875	3-1/2	—	—
FJ1/4	High Speed Jobber Length Drill Bit	.2500	4	—	—
FJ5/16	High Speed Jobber Length Drill Bit	.3125	4-1/2	—	—
FJ3/8	High Speed Jobber Length Drill Bit	.3750	5	—	—
FJ1/2	High Speed Jobber Length Drill Bit	.5000	6	—	—

Sheet Metal Drills (Fractional Sizes)

FS1/8	Sheet Metal Drill Bit	.1250	1-7/8	—	1
FS3/16	Sheet Metal Drill Bi	.1875	2-3/16	—	1
FS1/4	Sheet Metal Drill Bit	.2500	2-1/2	—	1
FS3/8	Sheet Metal Drill Bit <i>(FS Series with 1/4" reduced Shank)</i>	.3750	3-1/8	—	1
FS1/2	Sheet Metal Drill Bit <i>(FS Series with 1/4" reduced Shank)</i>	.5000	3-3/4	—	1
PFS1/8	Sheet Metal Drill Bit <i>(Polished)</i>	.1250	1-7/8	—	12
PFS30	Sheet Metal Drill Bit <i>(Polished)</i>	.1285	1-15/16	—	12
PFS1/4	Sheet Metal Drill Bit <i>(Polished)</i>	.2500	2-1/2	—	12

Double Ender Sheet Metal Drills

DE1/8	Double Ender Sheet Metal Drill Bit <i>(Polished)</i>	.1250	2	1/2	12
DE1/8B	Bulk Pack Double Ender Sheet Metal Drill Bits <i>(Polished)</i>	.1250	2	1/2	144
DE30	Double Ender Sheet Metal Drill Bit <i>(Polished)</i>	.1285	2	1/2	12
DE30B	Bulk Pack Double Ender Sheet Metal Drill Bits <i>(Polished)</i>	.1285	2	1/2	144
DE9/64	Double Ender Sheet Metal Drill Bit <i>(Polished)</i>	.1406	1-15/16	1/2	12
DE3/16	Double Ender Sheet Metal Drill Bit <i>(Polished)</i>	.1875	2-3/16	1/2	12
DE1/4	Double Ender Sheet Metal Drill Bit <i>(Polished)</i>	.2500	2-1/2	1/2	12
NDE1/8	Double Ender Sheet Metal Drill Bit <i>(Black Nitrided)</i>	.1250	2	1/2	12
NDE30	Double Ender Sheet Metal Drill Bit <i>(Black Nitrided)</i>	.1285	2	1/2	12

Step Drills

A unique double flute design assures the penetration of soft or thin materials at the proper speed. Drill hole sizes from 1/8" to 1" in sheet metal without burring or deforming stock or threading drill bit.

Malco Step Drills actually deburr as they drill. Perfect for use as a "hole-opening" reamer. They can also be used for making round holes from slots or intersecting holes. Made of industrial grade high speed steel. Malco Step Drills are heat treated and tempered to assure maximum strength for long wearing rugged use. Completely resharpenable.



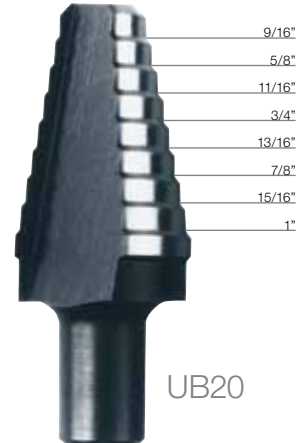
UB1



UB3



UB11



UB20

Spade Wood Type Bits

Unique designed ground points and cutting edges drill faster, cleaner holes, using less power than standard spade type bits. Cut straight or angled holes in soft and hard woods, plus formica, plaster, chipboard, foam core material, many non-metallic building sidings and foam insulation. Made of one-piece special heat treated tool grade steel. Six "flat" 1/4" shank fits securely in conventional chucks. Easy to spot "size marking" is stamped on head. Bits also feature "head hole" for convenient storage and wire pulling. Resharpenable with saw file or grinder. Available individually or in sets.



Carbide Tipped Rotary-Percussion Bits



Use in any rotary or rotary percussion drilling device for unexcelled performance in brick, tile, granite, concrete, masonry and other similar hard and dense materials. Brazed tungsten carbide tips have 120° chamfer and are specially tempered for strength and long life.

Specifications

Catalog Number	Description	Depth Each Step	Elect. Drill Size	Pilot Hole Required
UB1	Drills 13 hole sizes from 1/8" to 1/2" diameter in 1/32" (0.79) increments.	1/8"	3/8"	No
UB3	Drills 9 hole sizes from 1/4" to 3/4" diameter in 1/16" increments.	1/8"	3/8"	No
UB11	Drills 11 hole sizes from 1/4" to 7/8" diameter for creating 1/2" knock outs.	N/A	3/8"	No
UB20	Drills 8 hole sizes from 9/16" to 1" diameter in 1/16" increments.	1/8"	3/8"	1/2"

Spade Type Wood Bits

Catalog Number	Description	Overall Length	Diameter	Shank Diameter
WB38	Spade Type Wood Bit	—	3/8"	—
WB12	Spade Type Wood Bit	—	1/2"	—
WB58	Spade Type Wood Bit	—	5/8"	—
WB34	Spade Type Wood Bit	—	3/4"	—
WB78	Spade Type Wood Bit	—	7/8"	—
WB1	Spade Type Wood Bit	—	1"	—
WB118	Spade Type Wood Bit	—	1-1/8"	—
WB114	Spade Type Wood Bit	—	1-1/4"	—
WB138	Spade Type Wood Bit	—	1-3/8"	—
WB112	Spade Type Wood Bit	—	1-1/2"	—
WB6K	6 piece set: 3/8", 1/2", 5/8", 3/4", 7/8" and 1"	—	—	—

Carbide Tipped Rotary-Percussion Bits

Catalog Number	Description	Nominal Overall Length	Bit Diameter	Shank Diameter
RP01	Carbide Tipped Rotary Percussion Bit	3"	1/8"	1/8"
RP04	Carbide Tipped Rotary Percussion Bit	3-5/16"	3/16"	3/16"
RP09	Carbide Tipped Rotary Percussion Bit	4"	1/4"	1/4"
RP10	Carbide Tipped Rotary Percussion Bit	6"	1/4"	1/4"
RP18	Carbide Tipped Rotary Percussion Bit	4-3/4"	5/16"	5/16"
RP46	Carbide Tipped Rotary Percussion Bit	6"	1/2"	3/8"

Right Angle Impact Driver

Smallest, lightest, most maneuverable impact driver on earth!

Use the Mighty-Right™ to drive or remove sheet metal screws in tight spaces and blind spots encountered when installing metal duct work, including access into small diffuser boxes or servicing inside HVAC equipment enclosures. A unique LED light integrated into bit area sight line features a separate on / off switch.



No. MR1- Right Angle Impact Driver Kit

Kit includes: two belt-clip-mount, Lithium-ion battery packs; a long-reach battery cable and a 1-hour recharger in an HDPE (high density polyethylene) storage case.



Four low profile power bits are also supplied with kit: 1/4" and 5/16" Magnetic Hex bits and #1 and #2 Robertson square bits.



MR1

2-in-1 Hand Riveter

One hand operation with normal squeezing action provides enough pulling power to set all popular size rivets

(see specifications column below). 2-in-1 adjustment features a single long stroke for most hand riveting applications and a short "ratchet action" power stroke for setting larger diameter rivets. Outside jaw-grip adjustment wheel opens and closes jaws with fingertip ease to fit any size mandrel and to obtain maximum stroke efficiency. Professional slim nose allows 2-in-1 to go where other hand riveters cannot. Ideal for reaching into corners and recessed areas. Three nosepieces 1/8", 5/32" and 3/16" included with tool. Nosepieces are stored in handle.



2IN1

Economy Hand Riveter

Lightweight, compact size and slim nose projection allows this riveter to go wherever the work is.

Four rivet nosepieces: 3/32", 1/8", 5/32", 3/16" store in handle. Ideally suited for blind riveting applications in aluminum windows, gutter and downspout. Not for use with 5/32" or 3/16" steel rivets (steel rivets larger than 3.2 mm). Spring return handles and comfortable contour grip make operation fast and easy. Just open handles and insert rivet into tool until flange touches nosepiece. Squeeze handles slightly to allow jaws to grip rivet mandrel. Insert rivet into pre-drilled work to be fastened and squeeze handles until mandrel snaps. Release grip on handles and mandrel will drop out front end of tool when tilted.



CR18

Specifications

Catalog Number	Description	Driver Length in. (mm)	Driver Weight lbs. (kg)	Battery Weight lbs. (kg)	Charger Accepted
MR1	Right Angle Impact Driver Kit	7 (178)	1.1 (0.5)	.5 (0.23)	Li-ion

Replacement Kit Components

MR11	5 ft. (1.5 m) Battery Cable
MR12	One-Hour, Li-ion Recharger
MR13	7.2V, 1.5Ah Li-ion Battery Pack
MR14	Low Profile 1/4" and 5/16" Hex Bits
MR15	#1 and #2 Robertson Square Bits

Catalog Number	Description	Capacities in. (mm)	Length in. (mm)	Net Wt. oz. (g)
2-in-1	2-in-1 Hand Riveter	3/32 thru- 3/16 (2.4 - 4.8) steel rivets / 3/32 thru- 5/32 (2.4 - 4.0) stainless steel rivets	8 (203)	20 (567)
CR18	Economy Hand Riveter	3/32 thru 1/8 (2.4 - 3.2) steel rivets	8 (203)	22 (624)

Replacement Accessories and Parts for 2-in-1 Hand Riveter

ER41	Jaws
ER44	3/16" nosepiece
ER45	1/8" nosepiece
ER46	5/32" nosepiece
HR3-7	Adjustment Rod assembly

Specifications on Page 117

Connectivity re-defined

An impressive array of Magnetic Hex Drivers and Nut Drivers with Quick-Change Handles, now includes a NEW Ratcheting Handle and 3 Professional Kits!

CONNEXT™ Handles have been combined with precision-fit and hardened Chuck Drivers to offer the ultimate in Nut Driver and Hex Driver durability and versatility.



Ratcheting Handle and Kits!

New Professional 8, 9 and 12 piece kits, including Quick-Change handles and the New Ratchet Action Handle.



Magnetic Hex and Hollow Nut

Specifications on Page 117

Handles and Drivers

Sold together, each package includes both the Handle & Chuck Driver. The Connnext difference is a quick-connect holder mechanism that accepts any 1/4-inch shank chuck driver to any handle.



Magnetic Hex Hand Drivers with CONNEXT1 standard & CONNEXT2 stubby handles

Precision-fit and hardened Malco Magnetic Hex Chuck Driver shaft components, offer the ultimate in Hex Hand Driver durability and flexibility. Insert shanks are available in 2-inch, 3-inch and Big 7-inch lengths.



HHD1T



HHD2T



HHD3T



HHD1S



HHD2S



HHD3S



HHD1



HHD2



HHD3



Size Recognition Color Key

- Red — 1/4" Hex Opening
- Yellow — 5/16" Hex Opening
- Blue — 3/8" Hex Opening

Hollow Nut Drivers with CONNEXT1 standard handle

Hollow Hex Chuck Drivers with 1/4-inch power insert shanks are available in 3-inch and big 7-inch lengths. All Malco Hex Chuck drivers are now COLOR CODED for easy size identification whether installed on a power drill or used with a CONNEXT™ Handle.

CHD1



CHD3



CHD5



CHD2



CHD4



CHD6



Specifications on Page 117

Ratcheting Handle and Professional Kits



An impressive array of CONNEXT™ drive shaft combinations now includes Kits and a versatile Ratcheting Handle.

A forward or reverse ratchet driving mechanism, as well as the locked driving position of the New CONNEXT Ratcheting Handle, meets torque capacity standards (including ANSI) comparable to a 1/2-inch solid shaft driver! The clear, molded acetate, full grip is shock-proof, shatter-proof and fluted to fit any hand. And a quick-connect holder mechanism accepts any 1/4-inch hex shank power drive or insert bit as a shaft including all Malco hollow, or magnetic hex chuck drivers.

Magnetic Hex Driver & Nut Driver Kits

Whole Kits of possibilities feature popular assortments of handles and hollow or magnetic hex chuck driver shafts in a tough Cordura Pouch with belt clip and Velcro closure.

Full, Stubby & Ratcheting

style grips, plus all Handles feature a quick-connect holder and are color coded for easy size recognition!

CONNEXT4 Kit



9 Piece Magnetic Hex Hand Driver Kit

Popular assortment of Malco CONNEXT Handles and Magnetic Hex Chuck Driver Shafts.
Contents includes: 3-Each 1/4-in. and 5/16-in. driver shafts in short, medium and long varieties and 3 handles, including stubby, full grip and full grip ratcheting style.

CONNEXT5 Kit



12 Piece Magnetic Hex Hand Driver Kit

Deluxe assortment of Malco CONNEXT Handles and Magnetic Hex Chuck Driver Shafts.
Contents includes: 3-Each 1/4-in., 5/16-in. and 3/8-in. driver shafts in short, medium and long varieties and 3 handles, including stubby, full grip and full grip ratcheting style.

CONNEXT6 Kit



8 Piece Nut Driver Kit

Popular assortment of Malco CONNEXT Handles and Hollow Hex Chuck Driver Shafts.
Contents includes: 2-Each 1/4-in., 5/16-in. and 3/8-in. driver shafts in short and long varieties and 2 handles including a full grip ratcheting style and a full grip.



Drivers, Handles and Accessories

Robertson® Style Square Head Chuck Drivers

- Fully hardened, power-groove style driver.
- Square tip will not cam out.
- #1 and #2 drivers available in 1-3/4 in. and 2-1/2 in. lengths.
- Color coded for easy identification.

New!



Catalog Number	Description	Point Size	Color	Shank Dia. in.	Overall Length in. (mm)
SD1	Square Head Driver	#1	Green	1/4	1-3/4 (45)
SD2	Square Head Driver	#2	Red	1/4	1-3/4 (45)
SDX1	Square Head Driver	#1	Green	1/4	2-1/2 (63)
SDX2	Square Head Driver	#2	Red	1/4	2-1/2 (63)

Magnetic Hex Chuck Drivers



- Magnetic Hex Drivers**
1/4 and 5/16 sizes also available in bulk tubs of 100.
- Magnetic Hex Drivers Long Style**
1/4 and 5/16 sizes also available in bulk tubs of 50.
- Magnetic Hex Drivers Extra Long Style**
1/4 and 5/16 sizes also available in bulk boxes of 50.

Hollow Hex Chuck Drivers



CONNEXT™ Quick Change Handles

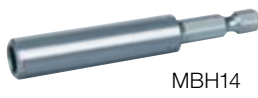
Clear, molded acetate GRIPS are shock-proof, shatter-proof and fluted to fit any hand. Including **NEW Ratcheting Handle!**



1/4" Hex Shank Phillips Power Bits and Standard Bits



Magnetic Bit Holder for 1/4" Hex Shank Insert Bits



Quick Change Hex Adapter

Accepts 1/4" hex power bits. Installs into chuck of a standard 3/8" power drill. Hex power bits can then be inserted or removed instantly without a key, by retracting the adapter sleeve. Tempered steel. Black finish.



Power Bit Extensions

Ball Bearing Lock Big 6" and 10" lengths



Accepts 1/4" hex power bits. Ball Bearing on holder provides a positive lock on 1/4" hex shank power bits. Tempered steel.

Specifications

1/4" Hex Shank Power Bits

Catalog Number	Description	Point Size	Shank Dia. in.	O/A Lgth. in.
MBLP2	Hex Shank Power Bit	3	1/4"	1-15/16"
MBLP3	Hex Shank Power Bit	2	1/4"	1-15/16"
MBLP4	Hex Shank Power Bit	2	1/4"	2-3/4"
MBSP2	Hex Shank Short Bit	2	1/4"	1"

1/4" Hex Shank Insert Bits Holder

Catalog Number	Description	Hex Opening in.	Shank Dia. in.	Nose Dia. in.	O/A Lgth. in.
MBH14	Bit Holder	1/4"	1/4"	7/16"	3"

Power Bit Extensions

Catalog Number	Description	Hex Opening in.	Shank Dia. in.	Nose Dia. in.	O/A Lgth. in.
BHE6	Power Bit Extension	1/4"	1/4"	9/16"	6"
BHE10	Power Bit Extension	1/4"	1/4"	9/16"	10"

Quick Change Hex Adapter

Catalog Number	Description	Hex Opening in.	Shank Dia. in.	Bore Depth in.	Sleeve Dia. in.	O/A Length in.
HAD1	Hex Adapter	1/4"	3/8"	7/8"	7/8"	1-3/4"

CONNEXT™ Quick-Change Handles

Catalog Number	Description	Grip Dia. in. (mm)	Grip Lgth. in.	Holder Opening in.	Holder Dia. in. (mm)	Holder Lgth. in. (mm)	O/A Lgth. in. (cm)
CONNEXT1	Connnext1™ Quick-Change Standard Handle	1-1/8" (29)	4-1/8" (105)	1/4"	11/16" (18)	1-1/8" (29)	5-1/4" (133)
CONNEXT2	Connnext2™ Quick-Change Stubby Handle	1-1/8" (29)	1-7/8" (48)	1/4"	11/16" (18)	1-1/8" (29)	3-1/8" (79)

CONNEXT™ Quick-Change Ratcheting Handle

Catalog Number	Description	Driving Positions	Torque Capacity	Grip Dia. in. (mm)	Grip Length in. (mm)	Holder I.D. in.	Holder O.D. in. (mm)	Holder Length in. (mm)	O/A Length in. (mm)
CONNEXT3	Ratcheting Style Handle Long	Forward, Reverse, Locked	Comp. 1/2" solid shaft	1-1/8" (29)	4-1/8" (105)	1/4" Hex	5/8" (16)	1-5/8" (41)	6-3/8" (162)

CONNEXT™ Kits

CONNEXT4	9 Piece Kit: 3-Each 1/4-in. & 5/16-in. driver shafts in short, medium & long varieties & 3 handles, including stubby, full grip & full grip ratcheting style.
CONNEXT5	12 Piece Kit: 3-Each 1/4-in., 5/16-in. & 3/8-in. driver shafts in short, medium & long varieties & 3 handles, including stubby, full grip & full grip ratcheting style.
CONNEXT6	8 Piece Kit: 2-Each 1/4-in., 5/16-in. & 3/8-in. driver shafts in short & long varieties & 2 handles including a full grip ratcheting style & a full grip.

Hex Chuck and Hollow Nut Driver: Size Recognition Color Key

● Red — 1/4" Hex Opening ● Yellow — 5/16" Hex Opening ● Blue — 3/8" Hex Opening ● Brown — 7/16" Hex Opening

CONNEXT™ Hollow Nut Drivers

Catalog Number	Description	Color Coded	Hex Opening in.	Hollow Depth in. (mm)	Insert Dia. in. (mm)	Nose Dia. in. (mm)	Holder Dia. in. (mm)	Shaft Total Lgth. in. (mm)	O/A Lgth. in. (cm)	Shaft Replacement #
CHD1	Connnext™ Hollow Nut Driver	●	1/4"	1-1/2" (38)	1/4" (6)	7/16" (11)	11/16" (18)	3-3/8" (86)	7-1/2" (19)	HD1
CHD2	Connnext™ Hollow Nut Driver	●	1/4"	3" (76)	1/4" (6)	7/16" (11)	11/16" (18)	6-7/8" (175)	10-1/2" (27)	HD2
CHD3	Connnext™ Hollow Nut Driver	●	5/16"	1-1/2" (38)	1/4" (6)	1/2" (13)	11/16" (18)	3-3/8" (86)	7-1/2" (19)	HD3
CHD4	Connnext™ Hollow Nut Driver	●	5/16"	3" (76)	1/4" (6)	1/2" (13)	11/16" (18)	6-7/8" (175)	10-1/2" (27)	HD4
CHD5	Connnext™ Hollow Nut Driver	●	3/8"	1-1/2" (38)	1/4" (6)	9/16" (14)	11/16" (18)	3-3/8" (86)	7-1/2" (19)	HD5
CHD6	Connnext™ Hollow Nut Driver	●	3/8"	3" (76)	1/4" (6)	9/16" (14)	11/16" (18)	6-7/8" (175)	10-1/2" (27)	HD6

CONNEXT™ Magnetic Long Hand Drivers

Catalog Number	Description	Color Coded	Reaction	Hex Opening in.	Insert Dia. in. (mm)	Nose Dia. in. (mm)	Holder Dia. in. (mm)	Shaft Total Lgth. in. (mm)	O/A Lgth. in. (cm)	Shaft Replacement #
HHD1	Connnext™ Long Hand Driver	●	Magnetic	1/4"	1/4" (6)	7/16" (11)	11/16" (18)	6-7/8" (175)	10-1/2" (27)	MSHXL14
HHD2	Connnext™ Long Hand Driver	●	Magnetic	5/16"	1/4" (6)	1/2" (13)	11/16" (18)	6-7/8" (175)	10-1/2" (27)	MSHXL516
HHD3	Connnext™ Long Hand Driver	●	Magnetic	3/8"	1/4" (6)	9/16" (14)	11/16" (18)	6-7/8" (175)	10-1/2" (27)	MSHXL38

CONNEXT™ Magnetic Standard Length Hand Drivers

HHD1S	Connnext™ Standard Lgth. Hand Driver	●	Magnetic	1/4"	1/4" (6)	7/16" (11)	11/16" (18)	3" (76)	7-1/8" (18)	MSHL14
HHD2S	Connnext™ Standard Lgth. Hand Driver	●	Magnetic	5/16"	1/4" (6)	1/2" (13)	11/16" (18)	3" (76)	7-1/8" (18)	MSHL516
HHD3S	Connnext™ Standard Lgth. Hand Driver	●	Magnetic	3/8"	1/4" (6)	9/16" (14)	11/16" (18)	3" (76)	7-1/8" (18)	MSHL38

CONNEXT™ Magnetic Stubby Hand Drivers

HHD1T	Connnext™ Stubby Hand Driver	●	Magnetic	1/4"	1/4" (6)	7/16" (11)	11/16" (18)	2-1/4" (57)	4-1/8" (10)	MSH14
HHD2T	Connnext™ Stubby Hand Driver	●	Magnetic	5/16"	1/4" (6)	1/2" (13)	11/16" (18)	2-1/4" (57)	4-1/8" (10)	MSH516
HHD3T	Connnext™ Stubby Hand Driver	●	Magnetic	3/8"	1/4" (6)	9/16" (14)	11/16" (18)	2-1/4" (57)	4-1/8" (10)	MSH38

CONNEXT™ Hollow Hex Chuck Drivers

Catalog Number	Color Coded	Hex Opening in.	Hollow Depth in. (mm)	Insert Dia. in. (mm)	Nose Dia. in. (mm)	O/A Lgth. in. (cm)
HD1	●	1/4"	1-1/2" (38)	1/4" (6)	7/16" (11)	3" (76)
HD2	●	1/4"	3" (76)	1/4" (6)	7/16" (11)	6" (152)
HD3	●	5/16"	1-1/2" (38)	1/4" (6)	1/2" (13)	3" (76)
HD4	●	5/16"	3" (76)	1/4" (6)	1/2" (13)	6" (152)
HD5	●	3/8"	1-1/2" (38)	1/4" (6)	9/16" (14)	3" (76)
HD6	●	3/8"	3" (76)	1/4" (6)	9/16" (14)	6" (152)

CONNEXT™ Short Chuck Drivers

Catalog Number	Color Coded	Hex Opening in.	Insert Dia. in. (mm)	Nose Dia. in. (mm)	O/A Lgth. in. (cm)
MSH14	●	1/4"	1/4" (6)	7/16" (11)	1-3/4" (44)
MSH14T (Bulk Tub of 100)		1/4"	1/4" (6)	7/16" (11)	1-3/4" (44)
MSH516	●	5/16"	1/4" (6)	1/2" (13)	1-3/4" (44)
MSH516T (Bulk Tub of 100)		5/16"	1/4" (6)	1/2" (13)	1-3/4" (44)
MSH38	●	3/8"	1/4" (6)	9/16" (14)	1-3/4" (44)

CONNEXT™ Long Chuck Drivers

Catalog Number	Color Coded	Hex Opening in.	Insert Dia. in. (mm)	Nose Dia. in. (mm)	O/A Lgth. in. (cm)
MSHL14	●	1/4"	1/4" (6)	7/16" (11)	2-9/16" (65)
MSHL14T (Bulk Tub of 50)		1/4"	1/4" (6)	7/16" (11)	2-9/16" (65)
MSHL516	●	5/16"	1/4" (6)	1/2" (13)	2-9/16" (65)
MSHL516T (Bulk Tub of 50)		5/16"	1/4" (6)	1/2" (13)	2-9/16" (65)
MSHL38	●	3/8"	1/4" (6)	9/16" (14)	2-9/16" (65)
MSHL716	●	7/16"	1/4" (6)	11/16" (18)	2-9/16" (65)

CONNEXT™ Extra Long Chuck Drivers

Catalog Number	Color Coded	Hex Opening in.	Insert Dia. in. (mm)	Nose Dia. in. (mm)	O/A Lgth. in. (cm)
MSHML14	●	1/4"	1/4" (6)	7/16" (11)	4" (102)
MSHXL14	●	1/4"	1/4" (6)	7/16" (11)	6" (152)
MSHXL14T (Bulk Box of 50)		1/4"	1/4" (6)	7/16" (11)	6" (152)
MSML516	●	5/16"	1/4" (6)	1/2" (13)	4" (102)
MSHXL516	●	5/16"	1/4" (6)	1/2" (13)	6" (152)
MSHXL516T (Bulk Box of 50)		5/16"	1/4" (6)	1/2" (13)	6" (152)
MSHXL38	●	3/8"	1/4" (6)	9/16" (14)	6" (152)

Regular and Gripped Screwdrivers

Regular Gripped Screwdrivers

Shallow fluted handles with large end bearing surface provide a sure, comfortable grip for maximum torque.



Easy to Spot Orange Handle

Precision Ground tip for perfect screw fit.

Cushioned Gripped Screwdrivers

The same great features as all Malco drivers plus a large, comfortable barrel shaped cushion grip.



Large comfortable barrel shaped custom grip.

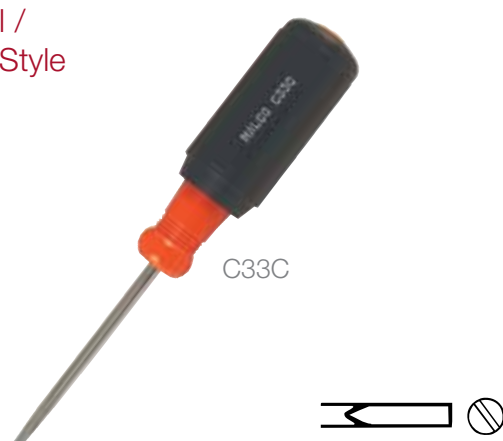
Designed for maintenance, electrical and assembly continuous use applications.

Keystone and Phillips drivers are also ideal for driving hardened screw heads in sheet metal. Individually heat treated blade tips are precision ground for perfect fit in screw head. Handles are shockproof and shatterproof. Driver handles and blades are joined securely and will not turn or come loose. Driver construction assures many years of reliable, superior performance.

Round Shank Keystone



Electrical / Cabinet Style



Specifications

Regular Grip Screwdrivers

Catalog Number	Description	Blade Diameter in. (mm)	Blade Length in. (mm)	Recomm. Screw #
S612	Square Shank	3/8 (9.5)	12 (305)	16-20
K44	Round Shank Keystone	1/4 (6.4)	4 (102)	10-12

Cushioned Grip Screwdrivers

Catalog Number	Description	Blade Diameter in. (mm)	Blade Length in. (mm)	Recomm. Screw #
S68C	Square Shank (Gripped)	3/8 (9.5)	8 (203)	16-20
K41C	Round Shank Keystone (Gripped)	1/4 (6.4)	1-1/2 (38)	10-12
C33C	Electrical / Cabinet Style (Gripped)	3/16 (4.8)	3 (76)	6-9
C36C	Electrical / Cabinet Style (Gripped)	3/16 (4.8)	6 (152)	6-9
C45C	Electrical / Cabinet Style (Gripped)	1/4 (6.4)	5 (127)	10-12

6 in 1 Reversible Driver & Screwdrivers

2 combination bits and 2 hex barrel openings drive 6 different head styles / sizes.

Bit shank firmly locks into handle barrel. Driver bits are individually protected with black oxide. Barrel is chrome plated to protect against rust.



Specifications

6 in 1 Reversible Driver

Catalog Number	Description
RD6	Driver with 2 combination bits and 2 hex barrel openings

Regular Grip Screwdrivers

Catalog Number	Description	Blade Diameter in. (mm)	Blade Length in. (mm)	Recomm. Screw #
C22M	Electrical Style	1/8 (3.2)	2 (51)	2-5
P33	Phillips Head	3/16 (4.8)	3 (76)	No. 1
P44	Phillips Head	1/4 (6.4)	4 (102)	No. 2

Cushioned Grip Screwdrivers

Catalog Number	Description	Blade Diameter in. (mm)	Blade Length in. (mm)	Recomm. Screw #
C24C	Electrical Style (Gripped)	1/8 (3.2)	4 (102)	2-5
C26C	Electrical Style (Gripped)	1/8 (3.2)	6 (152)	2-5
C28C	Electrical Style (Gripped)	1/8 (3.2)	8 (203)	2-5
P33C	Phillips Head (Gripped)	3/16 (4.8)	3 (76)	No. 1
P42C	Phillips Head (Gripped)	1/4 (6.4)	1-1/2 (38)	No. 2
P44C	Phillips Head (Gripped)	1/4 (6.4)	4 (102)	No. 2
P56C	Phillips Head (Gripped)	5/16 (7.9)	6 (152)	No. 3

Cushioned-Gripped

“T” Handle Hex Key Sets

Extra long, hardened and tempered alloy steel “T” Handle hex keys provide extra reach and extra leverage. Plus, vinyl cushion grips and comfort provide added torque.

- Big 6” and 9” sets consist of 8 sizes: 3/32”, 7/64”, 1/8”, 9/64”, 5/32”, 3/16”, 7/32” and 1/4”.
- Kits are packaged in reusable, clear vinyl pouches with velcro-tab closures.
- Red vinyl grips imprinted with sizes make these keys easy to spot on the job and easy to retrieve from your tool kit or tool box.
- Rust-resistant finish on hex shafts assures long service life.
- Popular 1/8”, 5/32” and 3/16” sizes are also available individually.



6” Gripped Hex “T” Set

6” Long “T” Handle Keys
8 Sizes (3/32”-1/4”)



9” Gripped Hex “T” Key Set

9” Long “T” Handle Keys
8 Sizes (3/32”-1/4”)

Specifications

Catalog Number	Description
WT6SG	6” Long T Handle Keys, 8 Sizes (3/32”-1/4”)
Individual 6” Long Wrenches	
WT618G	1/8” T-Hex Key 6” long
WT6532G	5/32” T-Hex Key 6” long
WT6316G	3/16” T-Hex Key 6” long

6”

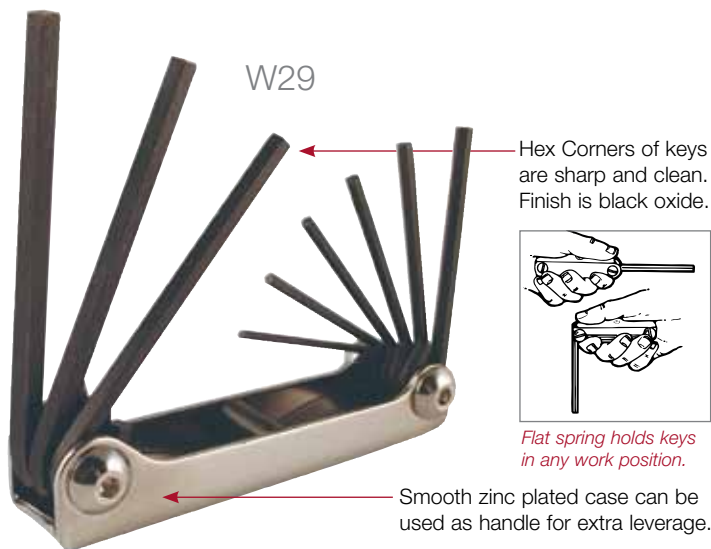
Catalog Number	Description
WT9SG	9” Long T Handle Keys, 8 Sizes (3/32”-1/4”)
Individual 9” Long Wrenches	
WT918G	1/8” T-Hex Key 9” long
WT9532G	5/32” T-Hex Key 9” long
WT9316G	3/16” T-Hex Key 9” long

9”

Folding Hex Key Sets

Produced from tough alloy steel

Catalog Number	W19	W29	W45	W48
Description	Small Pocket	Deluxe Pocket	Large Sizes	Extra Long
Handle Length	3-5/8"	4-1/4"	5-1/4"	5-1/4"
Number of Keys	9	9	5	8
Hex Sizes - Width Across Flats				
	.050"	—	—	—
	1/16"	—	—	—
	5/64"	5/64"	—	—
	3/32"	3/32"	—	3/32"
	7/64"	7/64"	—	7/64"
	1/8"	1/8"	—	1/8"
	9/64"	9/64"	—	9/64"
	5/32"	5/32"	—	5/32"
	3/16"	3/16"	3/16"	3/16"
	—	7/32"	7/32"	7/32"
	—	1/4"	1/4"	1/4"
	—	—	5/16"	—
	—	—	3/8"	—



Ball Tip "L" Wrench Set

Wrench Set stores in Handy reusable case.



WB12S

TWO TOOLS IN ONE!
Standard Hex end for maximum torque.
Ball end for angles.

*Tough alloy steel.
Black oxide Finish*



Refrigeration Lengths "L" Hex Keys

*Available in 6" and 12" long series.
Tough alloy steel, black oxide finish,
In reusable vinyl pouch.*



W6

9 Piece Set
6" Length



W12

7 Piece Set
Big 12" Length

Specifications

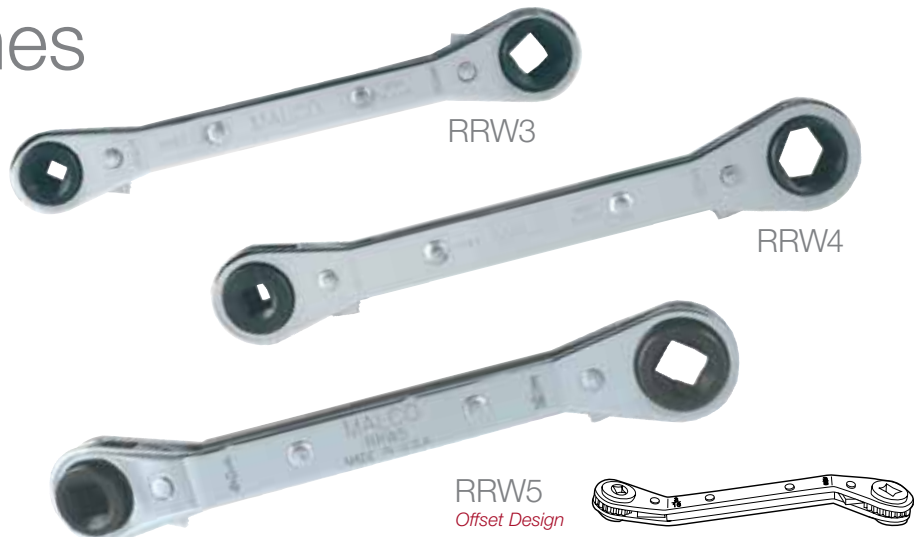
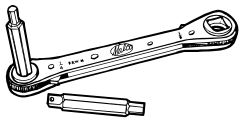
Catalog Number	Description
WBL12S	12 Piece Ball Tip Wrench Set
W19	9 Piece Hex Key Set (.050"-3/16")
W29	9 Piece Hex Key Set (5/64"-1/4")
W45	5 Piece Hex Key Set (3/16"-3/8")
W48	8 Piece Hex Key Set (3/32"-1/4")
W6	6" 9 sizes: 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32 and 1/4"
W12	12" 7 sizes: 5/64, 3/32, 1/8, 5/32, 3/16, 7/32 and 1/4"
Individual "L" 12" Long Hex Key Wrenches	
W12532	12" Long hex key size 5/32"

Multi-Track Pliers

and Wrenches

Refrigeration Ratchet Wrenches

For installing or servicing heating, air conditioning or refrigeration units.



5/16" and 3/16" Hex Key Wrench Inserts

1/4" square drive shanks fit Malco RRW3 and RRW4 Ratchet Wrenches



Multi-Track Pliers

Multiple slip joint pliers are ideal for use on conduit, pipe and cable connections.



Facilitates easy ratcheting action for servicing hard to access valves common in air conditioning and refrigeration condensing units. 1-5/8 inches long.

Tongue and groove joints hold jaws securely in selected position and take strain off bolt. Teeth are designed to give maximum grip on any round, square or hex shaped object. Long cushion grip handles give powerful leverage with gentle angled spread for easy one hand operation. Thin design permits access to confined spaces where conventional pipe wrenches won't go. Tempered steel halves offer long dependable service.

Specifications

Catalog Number	Description	Square Shank Diameter in.	Hex Key Diameter in.	Size in. (mm)	Square Opening in. (mm)	Tracks	Net Weight oz. (g)	O/A Length in.
MT7	7" Multi-Track Pliers	—	—	—	7-1/2 (191)	1-1/4 (32)	5	6 (170) —
MT10	10" Multi-Track Pliers	—	—	10 (254)	1-7/8 (48)	5	12 (340)	—
MT12	12" Multi-Track Pliers	—	—	—	12.5 (318)	2-1/4 (57)	7	27 (766) —
RRW4	Refrigeration Ratchet Wrench	1/4"	1/2" & 9/16"	—	—	—	—	1-5/8"
RRW3	Refrigeration Ratchet Wrench	3/16", 1/4", 5/16" & 3/8"	—	—	—	—	—	—
RRW5	Refrigeration Ratchet Wrench	3/16", 1/4", 5/16" & 3/8"	—	—	—	—	—	—
RRW5/16	Hex Key Ratchet Wrench Insert	1/4"	5/16"	—	—	—	—	1-5/8"
RRW3/16*	Hex Key Ratchet Wrench Insert	1/4"	3/16"	—	—	—	—	1-5/8"

*RRW3/16 Hex Stock Body Measures 5/16"

Electrical Pliers and Cutters

Electrical Pliers

Up Front Crimping Action



PC9

Insulated and uninsulated terminal and splice crimp-er with wire cutter up front.

Crimps insulated terminal sizes 12-10 (yellow) and 22-14 (red and blue). Tool also crimps uninsulated terminals 22-10 and 7-8 mm auto ignition terminals. Cuts bolts with perfect rethread and features six wire stripping stations for 22-10 ga. Constructed of induction hardened alloy steel. Pivot joint is made of hardened steel lifetime bushing. Black oxide oil finish with paint markings to highlight crimping functions. Red vinyl grips are comfortable, three pocket air cushion type.

Electrical Pliers

Cutter / Stripper / Crimper



WSC8

Up front scissors action strips copper wire clean and easily cuts sizes 10 thru 20.

Bolt cutters leave a perfect rethread. Plier nose features serrated jaw and slim profile for pulling and putting loops on wire. Crimps all insulated and non-insulated solderless terminals including 7-8 mm auto. Lifetime pivot point assures greater joint strength and adds easy, precise adjustment capability. Black oxide, satin finish steel. Extra large red vinyl cushion grips.

6" Diagonal Cutter



DC6G

Powerful Leverage Short nose

Powerful leverage short nose is designed to cut flush from side without obstructing handle grip. Absence of flat gripping surface on jaws allows tool to cut out to very tip. (Diagonal cutters are the only tools capable of reaching into an electrical box to cut wires). Smooth functioning box joint insures accurate alignment of cutting edges. Forged from high quality alloy steel. Hardened and tempered for long-life. Polished faces. Red vinyl cushion grips.

Electrical / Stripper

Combination AWG-Metric



WSC1S

Automatic spring opening increases speed of stripping operation. Convenient lock protects precision cutting surfaces when not in use.

Specifications

Catalog Number	Description	Capacities AWG	Capacities Metric (mm)	Capacities Bolt	Capacities Cutting	Crimping Gauge	Stripping Gauge	O/A Length in. (mm)	Net Weight oz. (g)
PC9	Electrical Pliers	—	—	4-40 / 6-32	8-32 / 10-32 / 10-24	22-10 ga.	22-10 ga.	8-3/4 (222)	7 (198)
WSC8	Electrical Pliers Cutter / Stripper / Crimper	—	—	4-40 / 5-40 / 6-32	8-32 / 10-32 / 10-24	22-10 ga.	22-10 ga.	8-1/4 (210)	8 (226)
WSC1S	Electrical Pliers Combination AWG-Metric	20-10 ga.	.080-2.60	—	—	—	—	6 (152)	4 (113)
DC6G	Diagonal Cutters	—	—	—	—	—	—	6.25 (159)	4 (113)

Sheet Metal Hammers

One-piece steel

One-piece forged, I-beam construction. Full-polished heads with beveled face and pein are corrosion resistant. Hammer sections are individually hardened and tempered for strength and resiliency.



Most Popular!
Easily the most popular choice of sheet metal professionals worldwide, the Malco No. SH3 Setting Hammers leather grip conforms a permanent bond between the users hand for ultimate comfort and ease of use.

SH3
18 oz. (510 g.)

Leather Gripped Setting Hammer

*Grip is protected with a durable lacquer coating.
Leather conforms to hand over time.
Easily, Malco's most popular setting hammer.*

Vinyl Gripped Setting Hammer

Molded-on vinyl grips minimize recoil and offer excellent comfort, non-slip gripping and durability.



SH3V
18 oz. (510 g.)

Leather Gripped Riveting Hammer

*Grip is protected with a durable lacquer coating.
Leather conforms to hand over time.*



RH4
12 oz. (340 g.)

Vinyl Gripped Riveting Hammer

Molded-on vinyl grips minimize recoil and offer excellent comfort, non-slip gripping and durability.



RH4V
12 oz. (340 g.)

Claw Hammer

*Grip is protected with a durable lacquer coating.
Leather conforms to hand over time.*



20SC
20 oz. 567 g.)

Specifications

Catalog Number	Description	Head Weight oz. (g)	Head Length in. (mm)	Face Size in. (mm)	O/A Length in. (mm)
SH3	Leather Gripped Sheet Metal Hammer	18 (510)	5-1/2 (140)	7/8 (22.2)	11-3/4 (298)
SH3V	Vinyl Gripped Setting Hammer	18 (510)	5-1/2 (140)	7/8 (22.2)	11-3/4 (298)
RH4	Leather Gripped Riveting Hammer	12 (340)	4-7/8 (124)	3/4 (19.1)	11 (279)
RH4V	Vinyl Gripped Riveting Hammer	12 (340)	4-7/8 (124)	3/4 (19.1)	11 (279)
20SC	Leather Gripped Claw Hammer	20 (567)	5-5/8 (143)	1-3/16 (30.2)	—

Dead Blow Hammer



- Non-Marring • Non-Sparking • Non-Recoiling

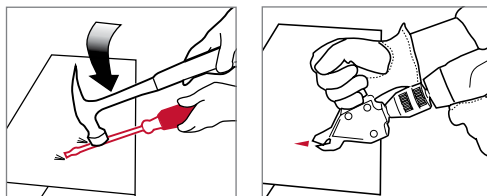
DB1
17 oz. (482 g.)

One piece construction of weather resistant, urethane compound ensures long service life.

- Steel shot inside head absorbs impact to prevent recoil.
- Excellent for working copper, other soft metals and hardened sheet steel including ductwork and auto body panels.
- Flanged handle butt for a more secure grip.

Perfect companion tool to our TS1 metal cutting TurboShear™. Specially angled ground tip easily punctures and rips duct to the desired length starting hole.

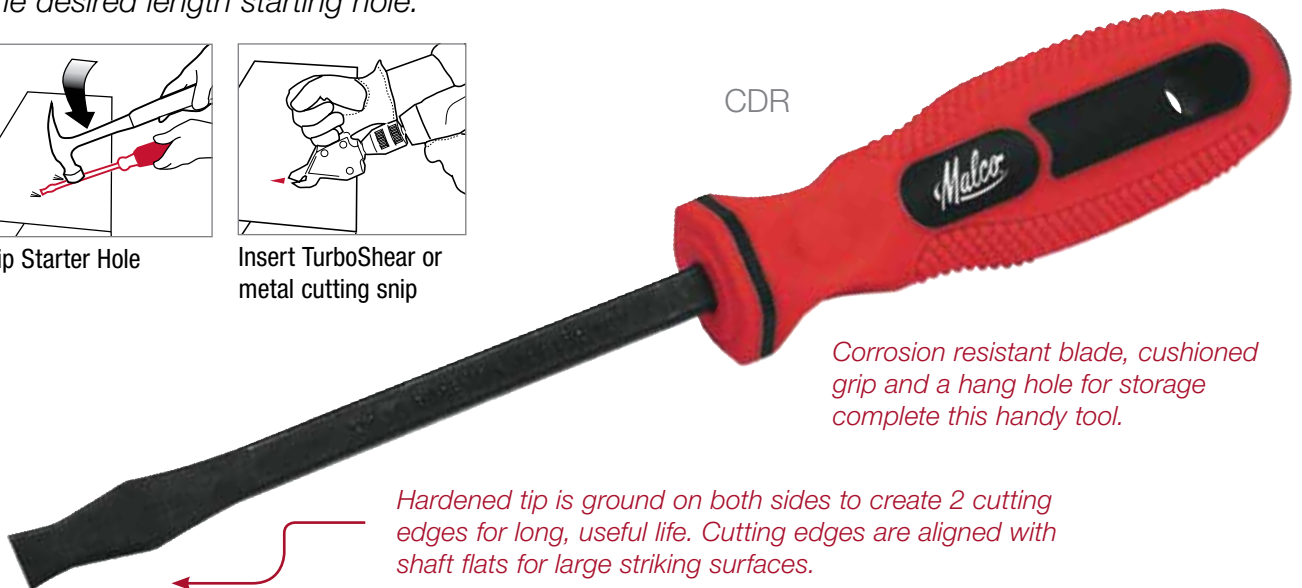
Duct Ripper



Rip Starter Hole

Insert TurboShear or metal cutting snip

CDR



Corrosion resistant blade, cushioned grip and a hang hole for storage complete this handy tool.

Hardened tip is ground on both sides to create 2 cutting edges for long, useful life. Cutting edges are aligned with shaft flats for large striking surfaces.

Specifications

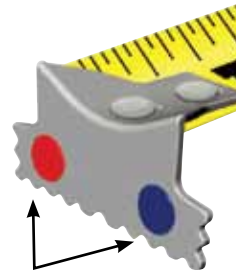
Catalog Number	Description	Claw	Head Weight oz. (g)	Head Length in. (mm)	Cutting Edge in. (mm)	Face Size in. (mm)	O/A Length in. (mm)	Nominal Length in. (mm)	Net Weight oz. (g)
CDR	Duct Ripper	—	—	—	—	—	—	9-1/2 (241)	5 (147)
DB1	Dead Blow Hammer	—	17 (482)	3-1/2 (89)	—	1-1/4 (32)	11 (279)	—	—

Magnetic Tip

Tape Measures

Magnetic Attraction!

At last, the obvious! Malco's "Magnetic Tip" tape measure is ideal for every ferrous metalworking project! Use it for HVAC ductwork installations, ceiling grid applications, metal stud framing and more. A powerful magnet and self-supporting 1" wide blade makes 1-person measurements and measuring elevations an easy task. The magnetic tip and big standout blade can even be used as a pick-up tool! A double riveted tip connection, abrasion-resistant, nylon coated blade and rubber-clad housing and blade stop assure lasting performance.

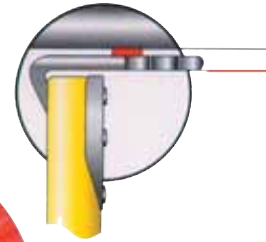


Powerful Magnets!



Ideal for working with metal!

Zero Commencement:
When Hanging and pulling magnet,
deduct 1/16" from measurement.



*A MULTITUDE OF JOB SITE USES: Metal Ductwork | Ceiling Grids
| Metal Stud Framing Measuring Elevations | One-Person Measurements |
Extended blade tip even works as pick-up tool!*

Non-Magnetic Tape Measures



- Non Magnetic 1" Tape Measures
- Double Riveted Tip Connection
- Rubber-Clad Housing

Specifications

Catalog Number	Description	Net Wt. oz. (g)
T416M	1" x 16' Magnetic Tip Tape Measure	10 (284)
T425M	1" x 25' Magnetic Tip Tape Measure	14 (397)
T430M	1" x 30' Magnetic Tip Tape Measure	17 (482)
CT425	1" x 25' Tape Measure	13 (369)
CT430	1" x 30' Tape Measure	16 (454)

Aluminum Straight Edge Rule

48AR



Made from .125 thickness extruded aluminum. This 48" rule is 2" wide. Large and clear, easy to read, thermo-bonded red markings on gray finish. Can be read from either end. Graduations in eighths and sixteenths.

48BS

Tinner's Circumference Rules

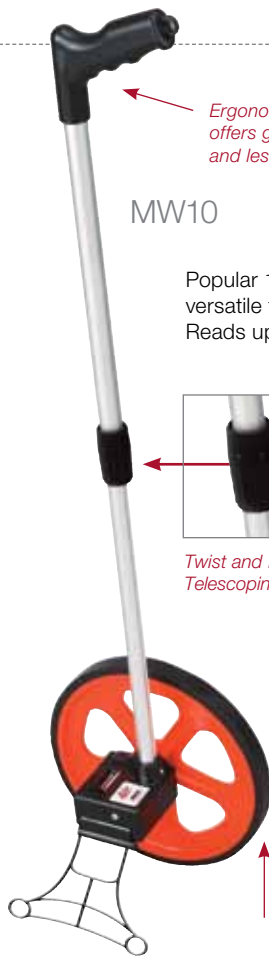


48CR



Standard bench rules with circumference readings for sheet metal work. Made from Stainless Steel which means they never need to be oiled. Fully etched markings are black filled for easy reading. 150 circumference inches in 1/8" increments both sides. Rules are 48" long x 1-1/4" wide.

Distance Measuring Wheels



Ergonomic Pistol Grip offers greater comfort and less wrist fatigue.

MW10

Popular 10-inch wheel is versatile for many jobs. Reads up to 10,000 feet.



Twist and Lock Telescoping Handle Shaft

5-Digit Counters to read up to 10,000 ft. 2-Section Telescoping Handles, with positive Clamp-Lock Mechanism. Ergonomic Pistol Grips. Handy Kickstands.

Polyvinyl wheel treads assure adequate traction on smooth or rough surfaces.



MW19

For Accurate Measurements in Most Outdoor Conditions

19"

Applications Include: Fencing, Paving, Landscaping, Grounds Maintenance, Irrigation, Surveying and Estimating.

- Comfortable Pistol-Grip Handle
- Twist and Lock Telescoping Handle Shaft
- POLYVINYL TREAD for Improved Traction
- Kickstand Molded into Counter-Housing



Specifications

Catalog Number	Description	Upper Scale Graduations	Lower Scale Graduations	Graduations	Net Weight lbs. (oz)	
48AR	48" Straight Edge	—	—	Increments to 1/16"	1 (16)	
48BS	48" Tinner's Circumference Rule (<i>Semi-Flexible</i>)	Increments to 1/16" both sides	150 circumference inches in 1/8" increments both sides	—	—	
48CR	48" Tinner's Circumference Rule (<i>Heavy-Duty</i>)	Increments to 1/16" both sides	150 circumference inches in 1/8" increments both sides	—	—	
Catalog Number	Description	Wheel Diameter in. (mm)	Nominal Circumference ft.	Storage Length in.	Extended Length in.	Net Weight lbs. (oz)
MW10	10" Diameter Measuring Wheel	10"	3'	25"	41"	2.10 (0.95)
MW19	19" Diameter Measuring Wheel	19"	5'	29"	41.75"	—

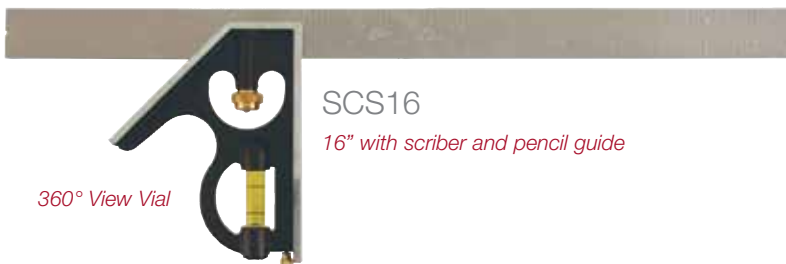
Squares and Levels

Combination Squares

Machined head has self aligning zinc drawbolt for easy blade installation. Satin finish steel blades are precision stamped in eighths and sixteenths on each side. Level vials are durable acrylic. The SCS16 square also features a hardened scriber with brass bushing and pencil guide on blade.



SCS12
12" with solid mounted vial



SCS16
16" with scriber and pencil guide
360° View Vial

Top Reading Torpedo Levels

Duplex milled aluminum frame with "cyclocac" end plates is lightweight and withstands shock or abuse. Precision cast parallel edges will not scratch work surface. Three large vials - plumb, level and 45°. White vial holders and top read feature facilitate quick, easy reading. Grooved working edge designed for use on pipe and conduit.



L9



L9M

Magnetic Base

Pocket Level

Strong molded plastic frame with pocket clip. Multi view vial reads top, bottom or side. Ideal for leveling thermostats.



L5

Specifications

Catalog Number	Description	Line Length in. (cm)	Number of Vials	Net Weight oz. (g)
L5	Pocket Level	5 (127)	1	—
L9	9" Top Reading Torpedo Level	9 (229)	3	—
L9M	9" Top Reading Torpedo Level with Magnetic Base	9 (229)	3	—
SCS12	12" with solid mounted vial	—	—	12 (340)
SCS16	16" with scriber & pencil guide, 360 view vial	—	—	14 (397)

Drill Pouch

Tool Bags and Totes



New!



PD1
Cordless Drill
& Bits not
included.

- Easily store up to 4 driver bits of varying sizes.
- Securely attaches to most corded or cordless drills.
- Stays away from drill operation and keeps your sightline intact.

This Driver Bit Pouch for most corded or cordless drills, allows bit storage on the motor housing for easy access. Four open-ended elastic slots accept 1/4-in. shank bits. Two large, durable elastic bands easily loop around most cordless or corded drills to hold the bit pouch securely in place. Long lasting 600 x 600D thread, nylon fabric construction fits flush to the drill housing and out of the way of the drill operation and sightlines.

Malco Tool Bag (Free with Kits! See Pg.12)



TB1

- Available separately or FREE with any one of our tool kits.
- Rugged nylon tool bag with dependable non-slip rubber grips.
- 10 multiple exterior pockets with open, velcro and zippered entries.
- 8 interior smaller tool pockets. • Padded shoulder strap for easy carrying.
- Durable 600 x 600D fabric. • Convenient lock-tight web handle.
- L-17" (43 cm) x W-8" (20 cm) x H-8" (20 cm)

Tote Tray



1660

This heavy duty, crush proof tote tray is great for carrying hand tools and fasteners to the job site. Rust proof polypropylene body material is long wearing, lightweight and portable. Three roomy compartments to accommodate all the tools you need. Comfortable hand grip rolls to outside will not bit into palm of hand.

Specifications

Catalog Number	Description	Nominal Dimensions (L x W x H)	Dimensions (L x H)	Net Weight oz. (g)	Net Weight lbs. (kg)
PD1 EV	Driver Bit Pouch	—	9.5 x 3	.48 (.85)	—
PD1P EV	Driver Bit Pouch (50 piece counter pail)	—	9.5 x 3	.48 (.85)	—
TB1	Rugged Nylon Tool Bag	17 x 8 x 8 (43 x 20 x 20)	—	—	4.5 (2.04)
1660	Tote Tray	15 x 10 x 4-1/2 (38 x 25 x 11)	—	—	1.75 (0.79)

18	39	C22	110	FCMS	76	HD1	117	L5	128	PA1012K	105	T425M	126
24	39	C22M	119	FCP1	95	HD2	117	L9	128	PA1012KW	105	T430M	126
1660	129	C24C	119	FCSR	76	HD3	117	L9M	128	PA1416	105	TB1	129
5018	31	C26C	119	FDC1	24	HD4	117	M12A	49	PA1416K	105	TB1020	21
10018	39	C28C	119	FDC2	24	HD5	117	M12ARB	49	PA810	105	TB1022	21
10627	100	C33C	118	FDC3	24	HD6	117	M12N	48	PA810K	105	TB1026	21
12027	39	C36C	118	FG1	25	HF1	88	M12NG	48	PA810KW	105	TB1028	21
12045	25	C45C	118	FGF	26	HF10	88	M12NRB	48	PC1	18	TB102K	21
12047	25	C4R	68	FGFL	26	HF11	88	M12RB	49	PC9	123	TC127	19
12761	25	C5A	30	FGK	26	HF12	88	M14A	49	PD1	26	TC174	19
75046	19	C5R	31	FGL1	28	HF13	88	M14ARB	49	PDP1	129	TC274	19
1218B	86	C6R	31	FGL1RB	28	HF14	88	M14N	48	PFS1/4	110	TC312	19
1232B	86	C725P	82	FGL24	28	HF15	88	M14NRB	48	PFS1/8	110	TC400	19
127TCS	19	CA1	95	FGL24RB	28	HF16	88	M14RB	49	PFS30	110	TNP2R	72
12F	40	CB	43	FGL3	28	HF17	88	M15	53	PL1R	100	TNP2S	72
12KH7	84	CB100	43	FGL3RB	28	HF18	88	M2001	52	PLD1	100	TNP3S	72
12KH8	84	CBB	43	FGL5	28	HF19	88	M2002	52	P08X2ZW	105	TNP3SB	72
18F	40	CDR	125	FGL5RB	28	HF2	88	M2003	52	PT1	18	TNP3SH	72
20SC	124	CG10	102	FGLV	28	HF3	88	M2004	52	PV1	110	TR18	39
24F	40	CG12	102	FGLVRB	28	HF4	88	M2005	52	PWS1	28	TR42	39
274TCS	19	CG18	102	FGM	26	HF5	88	M2006	52	PWS1	17	TRP	39
2DH	35	CG20	102	FGML	26	HF6	88	M2007	52	PWS2	17	TS1	45
2IN1	112	CGP18	101	FGS	26	HF7	88	M9	53	PWSK1	17	TS1RB	45
3MC24	85	CGPR	101	FGLSK	27	HF8	88	MB48A	88	R308	20	TS1ARB	46
48AR	127	CHD1	117	FGLSKL	27	HF9	88	MBH14	116	RB400	119	TS1RB	46
48BS	127	CHD2	117	FGV	28	HH1	88	MBLP2	116	RD6	116	TSCG	30
48CR	127	CHD3	117	FGV1	28	HH2	88	MBLP3	116	RH4	124	TSCG	45
4DL6	84	CHD4	117	FGV1RB	28	HHA1	88	MBLP4	116	RH4V	124	TSDC	45
4GT10	85	CHD5	117	FGV24	28	HHA2	88	MBS2P	116	RP01	28	TSDC	30
4GT7	84	CHD6	117	FGV24RB	28	HHD1	117	MC12A	49	RP04	111	TSF1	74
4KH6	84	CONNEXT1	117	FGV3	28	HHD1S	117	MC12ARB	49	RP09	111	TSF1A	75
4KH7	84	CONNEXT2	117	FGV3RB	28	HHD1T	117	MC12N	48	RP10	111	TSF1RB	74
4KH8	84	CONNEXT3	117	FGV5	28	HHD2	117	MC12NG	48	RP18	111	TSF1RBN	74
4MC14	85	CONNEXT4	117	FGV5RB	28	HHD2S	117	MC12NRB	48	RP2	39	TSF2	98
4MC18	85	CONNEXT5	117	FGV6	28	HHD2T	117	MC12RB	49	RP46	111	TSF2A	98
4MC24	85	CONNEXT6	117	FGVK	27	HHD3	117	MC14A	49	RRW3/16	122	TSF2RB	98
4P6	84	CR18	112	FGVKL	27	HHD3S	117	MC14ARB	49	RRW3/16	122	TSF2RBN	98
4PK	90	CS42D	108	FGVRB	28	HHD3T	117	MC14N	48	RRW4	117	TSHD	45
4RW	108	CS44D	108	FJ1/2	110	HP18KR	101	MC14NRB	49	RRW5	16	TSHD1A	45
4S6	84	CT425	126	FJ1/4	110	HPD18	101	MC14RB	48	RRW5/16	122	TSHDRB	45
4S8	84	CT430	126	FJ1/8	110	HPD316	101	MCCB7	52	RTC623	19	TSNS1	60
4TF14	85	DA5T	33	FJ13S	110	HPD36M	101	MD10	83	RTC829	19	TSNS1RBEV	60
4TF18	85	D5100	33	FJ3/8	110	HPD41M	101	MD12	53	RW127	19	TSS1	58
5RW	108	D5AST	33	FJ3/8	110	HPD63M	101	MLB	41	RW274	19	TSS1A	58
6PMC	85	D6100	33	FJ5/16	110	HR1	93	MR1	112	RW274	19	TSS1RBEV	58
6RW	108	D6AST	33	FJ60S	110	HR1X	93	MR11	112	RW732	25	TY34	23
8CG	85	D6HT100	33	FJ6180	110	HR2	110	MR12	112	S10	38	TY4	23
8KH7	84	D6HTAST	33	FLW	25	HR2X	93	MR13	112	S11	38	TY48	23
8PAP	85	D6NA	33	FP1	94	HR3-7	112	MR14	112	S2R	37	TY46	23
8PWB	84	D6NA	33	FP2	94	HR4	93	MR15	112	S3R	37	TY6	23
9A	40	D7AST	33	FS1/2	110	HRA5	92	MS12	63	S5R	37	UB1	111
9MC10	85	D7HT100	33	FS1/4	110	HRP1	93	MS12RK	63	S612	118	UB11	111
9PK	90	D7HTAST	33	FS1/8	110	HRP2	93	MS12RS	63	S68C	118	UB20	111
A0	39	D8AST	33	FS3/16	110	HRP4	110	MS24RK	63	S6R	37	UB3	111
A00	39	D8HT100	33	FS3/8	110	HRP5	92	MS24WH	63	S9R	37	UBH5	90
A1	39	D8HTAST	33	FST	21	HRS5	92	MS24WHRW	63	SB24	62	UBH50	90
A10	39	DB1	125	FST2	21	HS90	86	MS34WH	63	SB48	62	UBS5	90
A2	39	DC6G	123	FT195	20	HSB	89	MS34WHRK	63	SB48A	62	UBS50	90
A20	39	DE1/4	110	FT500	20	HSK	89	MS34WHRW	63	SB58A	62	UC1	18
A3	39	DE1/8	110	FTC1	95	HSRD	89	MS65	86	SC1	31	UWK	18
A40	39	DE1/8B	110	GND	68	HSW68	89	MSH14	117	SC2	68	VCB1	82
A50	39	DE3/16	110	GOP23LRB	67	HSW97	89	MSH14T	117	SC3R	31	VCB1	82
A50R	39	DE30	110	GOP23LUK	67	HSX	89	MSH38	117	SCS12	128	VCB2EV	95
A60	39	DE30B	110	GOP23UK	67	HW10X1/2Z	105	MSH516	117	SCS16	128	VCB2EV	95
AA42D	108	DE9/64	110	GOP23XRB	67	HW10X1-1/2Z	105	MSH516T	117	SD1	116	VCB3EV	82
AA42DW	108	DEFT	56	GOP23XUK	67	HW10X1Z	105	MSHL14	117	SD2	116	VCB3EV	95
AA43D	108	DK6S	25	GOP34RB	67	HW10X2	105	MSHL14T	117	SD40	70	VFN1	96
AA44D	108	DR69	33	GOP34UK	67	HW10X3/4Z	105	MSHL38	117	SD50	70	VFN2	96
AA44DW	108	DR70	33	GOP34XRB	67	HW12X2	105	MSHL516	117	SDL45	70	VFN3	96
AA46D	108	DR71	33	GOP34XUK	67	HW6X3/8Z	105	MSHL516T	117	SDX1	116	VFN4	95
AA48D	108	DS1	34	GOPRB	67	HW6X3/8ZA	105	MSHL716	117	SDX2	116	VRR1	96
AA64D	108	DS1C	34	GOS1	66	HW6X3/8ZCC	105	MSHML14	117	SG10	38	W12	121
AC310	21	DS2	34	GOS2	66	HW6X3/8ZCL	105	MSHXL14	117	SG11	38	W12532	121
AC5M	21	DS3	34	GOS3	66	HW6X3/8ZMB	105	MSHXL14T	117	SH3	124	W19	121
AS42D	108	DSKR	12	GOS4	66	HW6X3/8ZRB	105	MSHXL38	117	SH3V	124	W29	121
AS44D	108	ER3	55	GOS5	66	HW6X3/8ZW	105	MSHXL516	117	SL1R	32	W45	121
AV1	53	ER41	112	GOSA1	66	HW7X1/2Z	105	MSHXL516T	117	SL2R	68	W48	121
AV2	53	ER44	112	GOT	67	HW7X1/2ZA	105	MSML516	117	SL5	71	W6	121
AV3	53	ER45	112	GOT1	65	HW7X1/2ZCC	105	MT10	122	SL8R	71	WB1	111
AV6	53	ER46	112	GOT2	65	HW7X1/2ZCL	105	MT12	122	SNC	76	WB112	111
AV7	53	FB1	20	GOT3	65	HW7X1/2ZMB	105	MT7	122	SR1	95	WB114	111
AV8	53	FB1/2	20	GOT4	65	HW7X1/2ZRB	105	MV12	50	SRC24A	100	WB118	111
AV9	53	FB3/4	20	GOT5	65	HW7X1/2ZW	105	MV12	102	SRT2	70	WB12	111
BAK	90	FBS1BX	17	GOTRC	67	HW8X1/2Z	105	MV12RB	50	SRT2B	70	WB138	111
BAKRB	90	FBS2BX	17	H1100	33	HW8X1-1/2Z	105	MV12RB	102	SS/SS42D	108	WB34	111
BHE10	116	FBSN	17	H30	89	HW8X1-1/2ZW	105	MW10	127	SS/SS44D	108	WB38	111
BHE6	116	FBSN1	17	H32	89	HW8X1Z	105	MW19	127	SS/SS46D	108	WB58	111
BT131	107	FBSN2	17	H38	89	HW8X1ZRB	105	N1R	32	SS/SS48D	108	WB6K	111
BT132	107	FBSNS	17	H44	89	HW8X1ZW	105	N2R	32	SS42D	108	WB78	111
BT133	107	FBSNS	17	HA1	88	HW8X2Z	105	NDE1/8	110	SS42DW	108	WBL12S	121
BT134	107	FBSNW	17	HAD1	116	HW8X2ZW	105	NDE30	110	SS43D	108	WN100	33
BT141	107	FBSNW	17	HC1	43	HW8X3/4Z	105	NHP1R	71	SS44D	108	WSC1S	123
BT142	107	FCC3	78	HC1B	43	HW8X3/4ZRB	105	NSC1	61	SS44DW	108	WSC3	123
BT143	107	FCC4	78	HC1D	43	HW8X3/4ZW	105	NSP1	61	SS46D	108	WT618G	120
BT144	107	FCC5	102	HC1E	43	HW8X3ZW	105	NSP1RP	61	SS62D	108	WT6316G	120
BT153	107	FCC6	102	HC1F	43	JCC50R	72	P33	119	SS64D	108	WT6532G	120
BT156	107	FCC7	79	HC1G	43	JCC75R	72	P33C	119	SS66D	108	WT65G	120
BT163	107	FCCB10	81	HC1H	43	JCCR	72	P42C	119	ST94	20	WT918G	120
BT164	107	FCCB12	81	HC1I	43	K41C	118	P44	119	ST96	20	WT9316G	120
BT174	107	FCCB7	81	HC1K	43	K44	118	P44C	119	STC650	19	WT9532G	120
BT231	107	FCF6	77	HC2	43	KBHC	25	P56C	119	STKMR	12	WT95G	120
BT233	107	FCG2	77	HCAD	43	L24AT	127	PA1012	105	T416M	126		

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