

Catalog No. SL16500

TOOL BOOK

Work. Perform. Outlast.



Malco[®]
Est. 1950



Dear Malco Customer,

First and foremost, on behalf of the entire Malco Products company, I'd like to extend a giant "Thank You" to all of you for your patronage over the years. Some of you have been with us from the beginning back in the 1950's and some of you have found us just recently, but we could not have developed into the company we are today without all of you. We're proud of what we've become at Malco, from a tiny startup company that worked out of a garage in Minneapolis to our headquarters in Annandale, Minnesota, where we serve trade professionals in the United States and around the globe.

Our longstanding traditions of quality and innovation are our hallmark and we strive every day to live up to those traditions to continue to serve you. Malco Products is now the nation's leading manufacturer of "tools of the trade" for HVAC professionals and also a prominent manufacturer of trade tools for roofing, siding, gutter and fencing.

Malco excels at understanding industry's ever-changing workplace needs, and workforce demographics, as it affects a tool's hand fit and weight. Our formal research and development process, and award-winning product design team, are validated by a knowledgeable network of established sales representatives, broad-based distribution and a vast population of industry technicians and educator end users. The result is a steady stream of innovative and dependable products every month, every year! Malco product introductions are typically specialized by industry and are one of a kind.

Our early product line of crimpers, seamers, notchers and punches have since been joined by hundreds of other specialty tools. Malco is still known for regularly introducing new hand tool designs and modifications for the market. Simply put, Malco continues its founder's tradition of leadership and innovation by addressing a changing industry landscape and responding to emerging market needs for new specializations and more customized products and services.

We manufacture work saving products that make the tough jobs easier. At Malco we've always told you that our success has stemmed from our innovation and our quality of products. We stand behind those claims with our lifetime limited warranty. As an ESOP (Employee Stock Ownership Plan) company, it's in all of our best interests here at Malco to continue to deliver the highest quality products.

We here at Malco wish you nothing but success in your professional pursuits and hope that we can continue to satisfy you with our innovations and improvements. We look forward to continuing our success story with the hope that our success leads to more wins for you, our customer. Once again, we thank you for your continued patronage and know that we are here to support your work, with performance-based tools that outlast our competition. Please enjoy this catalog!

Sincerely,

Mardon Quandt

Mardon Quandt
President / CEO
Malco Products, SBC

Work. Perform. Outlast.

14080 State Hwy 55 NW • PO Box 400 • Annandale, MN 55302-0400 • Tel: (320) 274-8246 • Fax: (320) 274-2269
www.malcotools.com



1950's

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.

1960's

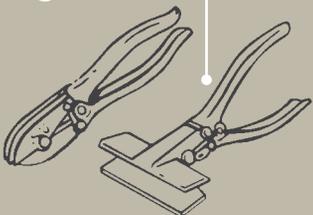
Early Malco Tool Schools are conducted by Malco Founder, Mark Keymer.

1970's



Zip-In screws are an industry changing success.

Operations move from Minneapolis, MN to Annandale, MN.



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





As an employee owned company, it's in all of our best interests to continue to deliver the highest quality products and services.



1980's

1990's

2000's

2015

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



TurboShear debut launches growing line of drill attachments and air tools.
Redline Handles added to legendary compound leverage tools.



Malco ESOP purchases majority ownership

Demand for Max2000 Snips creates waiting lists at dealers.
Website launched.



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





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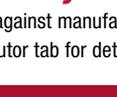
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Limited Lifetime Warranty

All Malco tools and accessories carry a limited lifetime warranty against manufacturing defects in materials or workmanship. Go to www.malcotools.com and visit our distributor tab for detailed warranty information.

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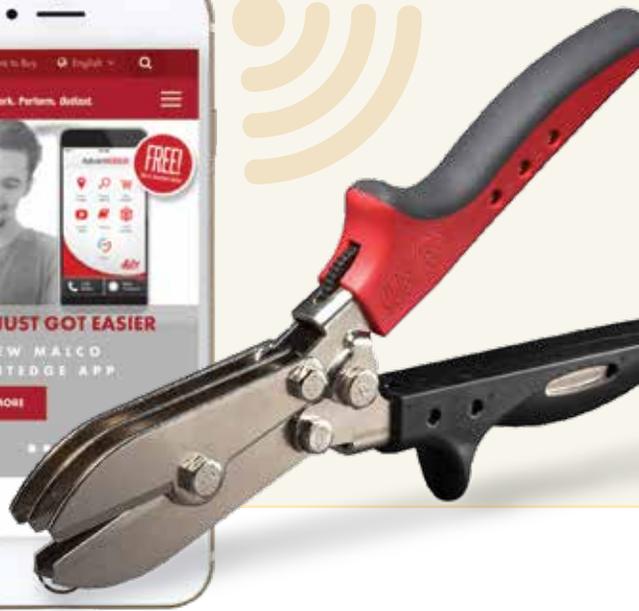
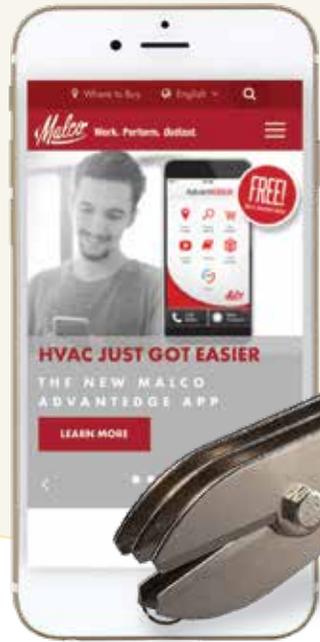
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Computer, Tablet or Smart Phone?

Check out our online video collection featuring our most popular tools! These professionally made videos feature demonstrations, tips and advice for our HVAC, Roofing, Siding, Gutter and Fencing Tools markets.

Go to www.malcotools.com or download the AdvantEDGE app at <http://advantedgeapp.com/>



Customer Service Information:

United States: 1-320-274-7387 / 1-800-328-3530 / Fax: 1-800-206-6760 / custsvcs@malcotools.com
 Canada: 1-320-274-2376 / 1-800-219-1085 / Fax: 1-800-222-5329
 International: 01-320-274-2376 / Fax: 01-320-274-2652 / international@malcotools.com

Distributor Location:

To locate a Malco Distributor nearest you, go to www.malcotools.com, click on "Where to Buy" and choose desired market.
Malco Products, SBC | 14080 State Hwy 55 NW | PO Box 400 | Annandale, Minnesota U.S.A. 55302-0400 | © 2018
 5-1-2018 / SL16500D

33 POCKET TOOL BACKPACK

Easily organize, protect and transport your tools in a 33-pocket Ballistic Nylon Malco Backpack.

- Seamless, impact-resistant molded polymer base and padded side walls protect tools from drop damage and water damage.
- Durable high-thread count 1690D Ballistic Nylon shell and heavy-duty zippers offer long service life.
- 33 duo-colored pockets and pouches plus one wide-opening side and a stand-up backside make it easy to organize and find tools.
- Padded and zippered exterior storage for cell phone and laptop/tablet plus two expanding bi-fold side pockets.
- Comfortable, wide-padded shoulder straps and back pads help shoulder the load and save neck and back.

TBP33



UV Resistant Nylon Ties

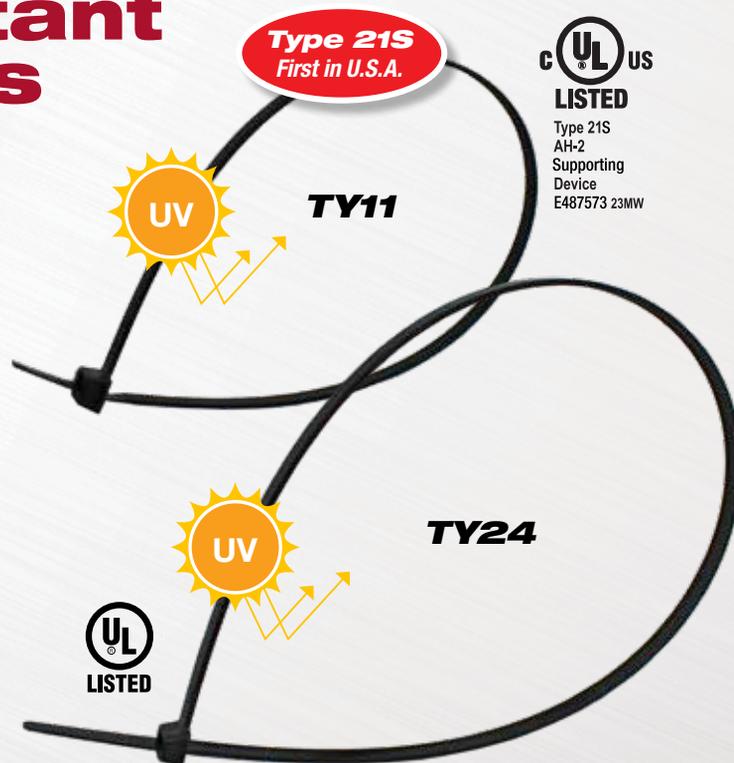
UL Listed and Made in the U.S.A.

Extra Heavy-Duty and UV Resistant Nylon Ties. Malco is one of the first to offer TYPE 21S Tie!

Made of 100% Nylon, these one-piece, self-locking ties are easy to install. Just wrap tie around material, slip tail through head, tighten and set with a Malco Tie Tensioning Tool.

11 & 24 inch

(UL Type 21S - 11 inch, TY11 for HVAC Mini-Splits) and TY24, 24 inch ties for securing / bundling Automotive, Marine, Industrial Cable, Hose and Wire.



UL US
LISTED
Type 21S
AH-2
Supporting
Device
E487573 23MW



Cleanable, Reversible, Magnetic Hex Driver

This Double-Duty chuck driver with "Easy Clean Magnet," ensures that 1/4 in. & 5/16 in. hex drivers are always a flip away. With single piece strength, and an indestructible magnet, it's the Perfect System when paired with Legendary Malco Zip-in® and Bit-Tip® screws.



U.S. Patent No. 9981366

**The Perfect System for
Zip-in® and Bit Tip®!**
See Pages 12-15



IMPACT GRADE Quick-Change Extension Bits



BHE12
12 in. Length

BHE10
10 in. Length

BHE6
6 in. Length

BHE3
3 in. Length

Durable,
One-Handed
Quick
Release!

Impact Grade Steel Construction make these durable extensions versatile for use with any Impact Driver or Malco CONNEXT Handle!

A Fast and Easy Push-in Style Receiver, with 3 Ball Bearing Detents holds any 1/4-inch hex shank power groove or insert bit securely. Retract the collar only when removing bit.

10 Piece Screw Extractor Kit



SEK1
10 Piece Screw
Extractor Kit

- Kit contains 10 pieces total, including: 5 straight-fluted, extra-bite, hardened alloy steel extractors (Sizes #1-5) and 5 matched left-handed cobalt drill bits: 5/64, 7/64, 5/32, 1/4 and 19/64 inch.
- Use for screw and bolt diameters of 1/4 inch (M3) to 5/8 inch (M15).



TOOL BACKPACK

Easily organize, protect and transport your tools in a 33-pocket Ballistic Nylon Malco Backpack.

Comfortable, Wide-Padded Shoulder Straps & Back Pads



33
WIDE-OPENING
POCKETS
FOR EASY ACCESS
& VISIBILITY

TBP33

- Seamless, impact-resistant molded polymer base and padded side walls protect tools from drop damage and water damage.
- Durable high-thread count 1690D Ballistic Nylon shell and heavy-duty zippers offer long service life.
- 33 duo-colored pockets and pouches plus one wide-opening side and a stand-up backside make it easy to organize and find tools.
- Padded and zippered exterior storage for cell phone and laptop/tablet plus two expanding bi-fold side pockets.
- Comfortable, wide-padded shoulder straps and back pads help shoulder the load and save neck and back.

Convenient Top Mounted Handle

Mobile Phone & Laptop / Tablet Storage

Two Bi-Fold Pockets

Impact and Water Resistant Seamless Base



| Catalog Number | Description | Nominal Dimensions (L x W x H) in. (cm) | Net Weight lbs. (kg) |
|----------------|--------------------|---|----------------------|
| TBP33 | 33 Pocket Backpack | 15 x 7.5 x 20 (38 x 19 x 51) | 6.05 (2.74) |

Soft Sided Tool Bag

Rugged, heavyweight nylon tool bag organizes large and small tools with ample capacity and multiple interior and exterior pockets. Open pockets as well as velcro and zippered entries also accommodate other 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.

TB1



| Catalog Number | Description | Nominal Dimensions (L x W x H) in. (cm) | Net Weight lbs. (kg) |
|----------------|-----------------------|---|----------------------|
| TB1 | Rugged Nylon Tool Bag | 17 x 8 x 8 (43 x 20 x 20) | 4.5 (2.04) |

Tool Kits

Every Kit includes a **FREE TB1 Tool Bag** or **50% off TBP33 Backpack**

DSKR / DSKRBP

29 Piece Deluxe Kit



| Catalog No. | Description |
|-------------|--------------------------------------|
| CSR | 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 in. (362 mm) Alum. Pattern Snip |
| A0 | 1/8 in. (6.35 mm) Scratch Awl |
| A1 | 7/32 in. (5.54 mm) Scratch Awl |
| SH3 | Setting Hammer |
| T416M | 1 in. x 16 ft. Magnetic Tape Measure |
| W29 | Hex Key Set |
| DB1 | Dead Blow Hammer |
| DS2 | Offset Duct Stretcher |
| MSH14 | Hex Chuck |
| MSH516 | Hex Chuck |
| L9M | Torpedo Level |
| HW8x1/2ZG | Zip-ins 100 pack FREE |
| TS1 | TurboShear |
| HHD15 | 1/4 in. (6.35 mm) Hex Driver Mag. |
| HHD25 | 5/16 in. (7.9 mm) Hex Driver Mag. |
| TY4G | Tie Tool - Standard Grip |
| HC1 | Hole Cutter |
| 4M24 | Recip Blade 6L 24T |
| BT143X | Bit-Tips 100 pack FREE |
| RD6 | 6-in-1 Reversible Driver |

STKMR / STKMRBP

16 Piece Starter Kit



| Catalog No. | Description |
|-------------|------------------------------------|
| CSR | 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 |
| M14N | 14 in. (362 mm) Alum. Pattern Snip |
| A1 | 7/32 in. (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 2-12 in. |

Create a Custom Kit Info:

- Specify a minimum of 6 different Malco hand tools per Custom Kit.
- Select tools that fit the inside dimensions of the tool bag: (Estimated maximum of 30 different tools under 17 in. / 43 cm long.)
- Tool Kits include a package card listing the kit contents you requested.
- Tools and packaging are supplied separated in tool bag for efficient packing and to avoid damage in shipment. Co-Branded Tool Packaging is also available subject to quantities and selection published in Malco's "Custom Crafted Packaging" brochure #SL13847. Add 3-Days to lead-time if including custom packaging with kit contents.
- **10% Discount on School Orders!** Remember, all Malco Custom Kits that you sell for use by students are invoiced at the quoted price less 10%. Provide a copy of the school's purchase order to verify discount for passing along to school.
- Malco will assemble and ship your custom tool kits within 3 days of receipt of your completed order.
- Ask your local Malco Distributor for details and a quote.

50% Off
Backpack or
Tool Bag



Malco

Custom Kits
for Contractors & Trade Schools
Now you can build a custom tool kit
that reflects your unique market or
classroom needs.

Get 50% off TBP33 Backpack or
TB1 Tool Bag when part of a custom kit.

11



HVAC

| | | | | | |
|--------------------------------|----------------------------|--------------|------------------------------------|----------------|-------------------|
| TB1 Tool Bag or TBP33 Backpack | 12F | Folding Tool | SH3 | Setting Hammer | |
| CSR | Pipe Crimper | 18 | Divider | DS2 | Duct Stretcher |
| SL1R | Snap Lock Punch | M2001 | Aviation Snip - left cut | HW8x1/2ZG | Zip-ins 100 Pack |
| N1R | Hand Notcher | M2002 | Aviation Snip - right cut | TS1 | TurboShear |
| S2R | Hand Seamer | M14N | 14 in. (362 mm) Alum. Pattern Snip | HC1 | Hole Cutter |
| S10 | Cast Steel Seamers & Tongs | A1 | Scratch Awl | BT143X | Bit-Tips 100 pack |

Suggested Kits



Metal Roofing

| | | | |
|--------------------------------|------------------------------------|---------------------------|---------------------------------|
| TB1 Tool Bag or TBP33 Backpack | M2007 | Max 2000 Right Offset Cut | |
| DB1 | Dead Blow Hammer | N2R | Hand Notcher, 1in. Depth |
| HC1 | Hole Cutter, Sheet Metal | S6R | 6 in. Hand Seamer |
| HP18KR | Hole Punch Kit | SG11 | Seamer & Tongs Offset Gripped |
| M14A | 14 in. Alum. Straight Snip | TSHD1A | TurboShear Heavy-Duty Pneumatic |
| M12NG | 12 in. Alum. Straight Snip Gripped | 18F | 18" Folding Tool 3/8 - 1 in. |
| M2006 | Max 2000 Left Offset Cut | | |



Fiber Cement Siding

| | | | |
|--------------------------------|---------------------------------|--------------------------------------|------------------------------------|
| TB1 Tool Bag or TBP33 Backpack | HF10 | 4-1/8 in. (105 mm) Carbide Tipped HS | |
| FCC3 | Fiber Cement Hand Nibbler | TSF1 | TurboShear Fiber Cement Siding |
| FCFG | Fiber Cement Facing Gauge | FCSR | Fiber Cement Snip |
| FCG2 | Fiber Cement Gauge Set of 2 | HHA4 | Hole Saw Arbor and HSS Pilot Drill |
| HF7 | 3 in. (76 mm) Carbide Tipped HS | | |



Vinyl Siding

| | | | |
|--------------------------------|--------------------------|-----------------|-----------------------------|
| TB1 Tool Bag or TBP33 Backpack | SLS | Snap Lock Punch | |
| JCCR | J-Channel Cutter 5/8 in. | SRT2 | Siding Tool Straight Handle |
| M2003 | Max 2000 Combo Cut | TNP2S | Trim Nail Punch - Metal |
| MV12 | Vinyl Snip | 9PK | Quick Open Utility Knife |
| SD40 | Sider Double 4 in. | | |

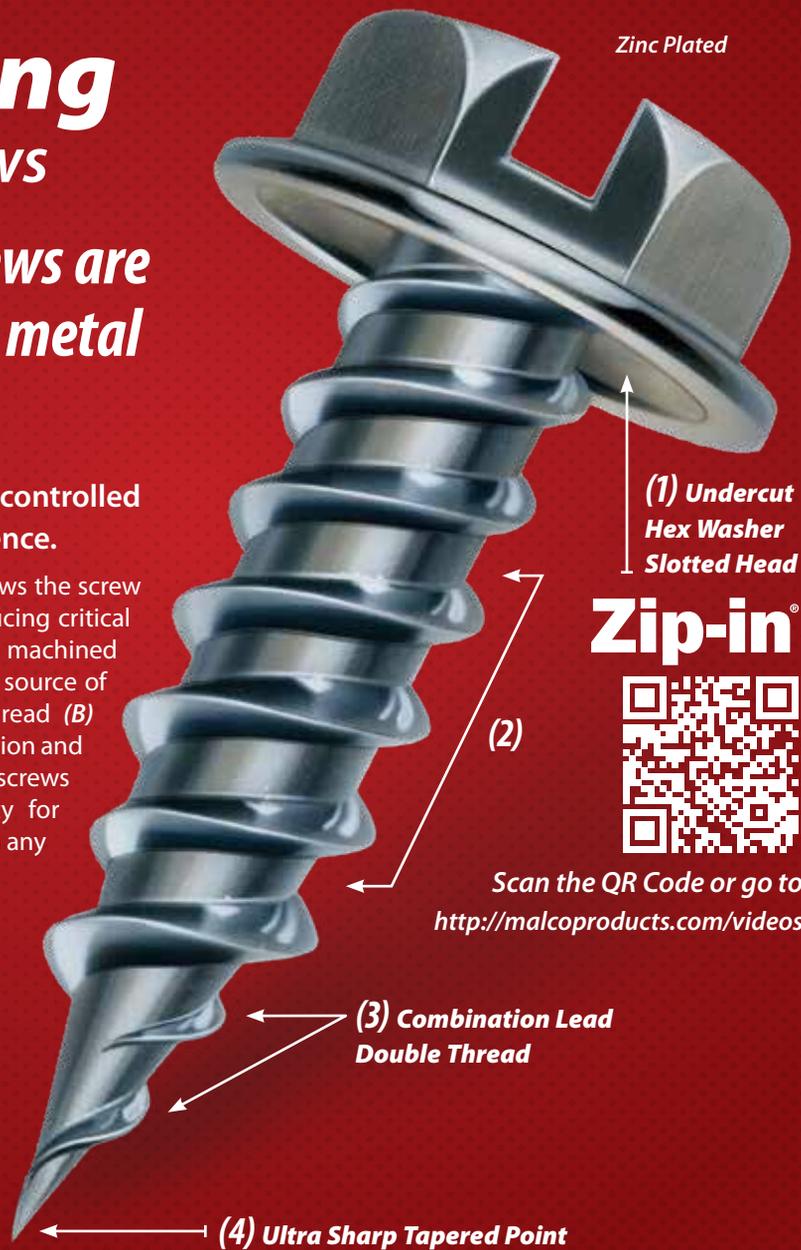
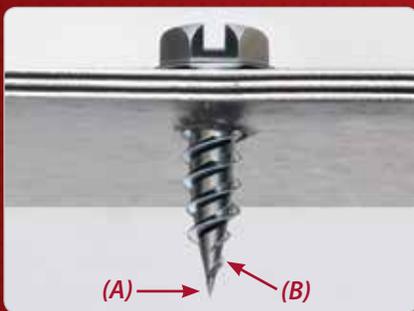
12 **The Standard by which all others are judged.**

Self-Piercing Sheet Metal Screws

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

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 (A) is machined down to the very tip of the point and is the source of Zip-in's® penetrating power. The second thread (B) above the point engages after initial penetration and moves the screw through very fast. Zip-in® screws are faster driving, with a greater capacity for fastening heavier gauges of sheet metal than any other self-drilling type.



1. Undercut-Indented Hex Washer Slotted Head

- Undercut - Always seats flush

2. Burr Free hex washer slotted head

- One 1/4 in. hex driver accommodates all sizes of Zip-in Screws
- Full 1/4 in. (No. 8) head will not strip out of hex driver opening at any-time during operation.

3. Combination Lead Double Thread

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

4. Sharp Tapered Point

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

U.S. Patent No.
D524,638



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

Scan the QR Code or go to
<http://malcoproducts.com/videos>

Zip-in®

Self-Piercing Sheet Metal Screws

Specifications

| Catalog Number | Description | Head Color | Head Size | Type |
|-----------------------|---------------|---------------|-----------|-------------|
| Zip-in® Screws | | | | |
| HW6x3/8Z | Zip-in® Screw | ○ Zinc Plated | 1/4 in. | Slotted Hex |
| HW7x1/2Z* | Zip-in® Screw | ○ Zinc Plated | 1/4 in. | Slotted Hex |
| HW8x1/2Z* | Zip-in® Screw | ○ Zinc Plated | 1/4 in. | Slotted Hex |
| HW8x3/4Z* | Zip-in® Screw | ○ Zinc Plated | 1/4 in. | Slotted Hex |
| HW8x1Z* | Zip-in® Screw | ○ Zinc Plated | 1/4 in. | Slotted Hex |
| HW8x1-1/2Z* | Zip-in® Screw | ○ Zinc Plated | 1/4 in. | Slotted Hex |
| HW8x2Z* | Zip-in® Screw | ○ Zinc Plated | 1/4 in. | Slotted Hex |
| HW10x1/2Z | Zip-in® Screw | ○ Zinc Plated | 1/4 in. | Slotted Hex |
| HW10x3/4Z | Zip-in® Screw | ○ Zinc Plated | 1/4 in. | Slotted Hex |
| HW10x1Z | Zip-in® Screw | ○ Zinc Plated | 1/4 in. | Slotted Hex |

* Denotes popular screw sizes available in pails.

Square Pan Head Robertson® Style Zip-in® Screws

| | | | | |
|-----------|-----------------|---------------|----|------------|
| PS8x1/2Z | Pan Square Head | ○ Zinc Plated | #2 | Pan Square |
| PS10x1/2Z | Pan Square Head | ○ Zinc Plated | #2 | Pan Square |
| PS10x3/4Z | Pan Square Head | ○ Zinc Plated | #2 | Pan Square |

White Painted Zip-in® Register Screws

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

Painted Sheet Metal Screws

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

Drill-In Screws Type A, Single Thread

| | | | | |
|------------|----------------|---------------|----------|-------------|
| HW10x1-1/2 | Drill-In Screw | ○ Zinc Plated | 5/16 in. | Slotted Hex |
| HW10x2 | Drill-In Screw | ○ Zinc Plated | 5/16 in. | Slotted Hex |
| HW12x2 | Drill-In Screw | ○ Zinc Plated | 5/16 in. | Slotted Hex |

| Catalog Number | Anchor Size | Screw Size(s) | For Screw Size | Uses Bit Diameter | Anchor Kit Quantity |
|----------------|-------------|---------------|----------------|-------------------|---------------------|
|----------------|-------------|---------------|----------------|-------------------|---------------------|

Red Lip Plastic Anchors

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

Red Lip Plastic Anchor Kits with Slotted Panhead Screws

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

Red Lip Plastic Anchor Kits with Hex Washer Head Screws

| | | | | | |
|----------|----------------|---------|---|----------|-----|
| PA810KW | 3/16 x 7/8 in. | HW8x1Z | — | 3/16 in. | 100 |
| PA1012KW | 1/4 x 1 in. | HW10x1Z | — | 1/4 in. | 100 |



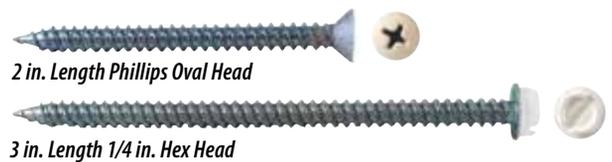
The Perfect System for Zip-in®

Cleanable, Reversible, Magnetic
1/4 and 5/16 inch Hex Chuck Driver!
See Page 56

Robertson® Style Square



Robertson®
Style Square
Pan Head
Zip-in® Screws



2 in. Length Phillips Oval Head

3 in. Length 1/4 in. Hex Head

Painted Sheet Metal / Drill-In Screws



Drill-In
Screws Type
A, Single
Thread

Painted
Sheet Metal
Screws
Packaged
in Bags
and Tubs.



Plastic Anchor Kits / Anchors

PA1012K

All Red-Lip Anchor Kits contain equal quantities of anchors and screws with one matching carbide tipped drill bit.



Use Red-Lip Anchors 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.



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 Bults, Pails, Tubs, Boxes and Bags.

Packaging Key:

Bulk
Pail = P
Tub = T
Box = X
Bag = G



Drill & Tap Screws

The One Operation Fastener with a True Drilling Action Point

Bit-Tip Drill and Tap Screws produce the optimum hole size for a quick tight fit

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.

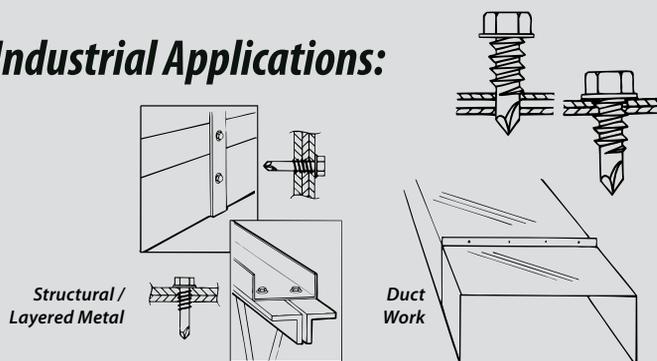
Requires only a standard screw gun power tool rated at 2500 RPM equipped with drilling depth locator.



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



Top View



Top View



Hex Washers



Hex Slotted Washers

U.S. Patent No.
D524,638



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

Bit-Tip®

Drill & Tap Screws

Packaging Key:
 Bulk
 Pail = P
 Tub = T
 Box = X



The Perfect System for Bit-Tip®

Cleanable, Reversible, Magnetic
 1/4 and 5/16 inch Hex Chuck Driver!
 See Page 56

Consult Malco Price Book for specific package quantities available for each screw size. Count on Malco for full, accurate piece counts in every Bit-Tip® package you buy.

Note: Package sizes available in Bulks, Pails, Tubs and Boxes.
 * BT143 available in pails.

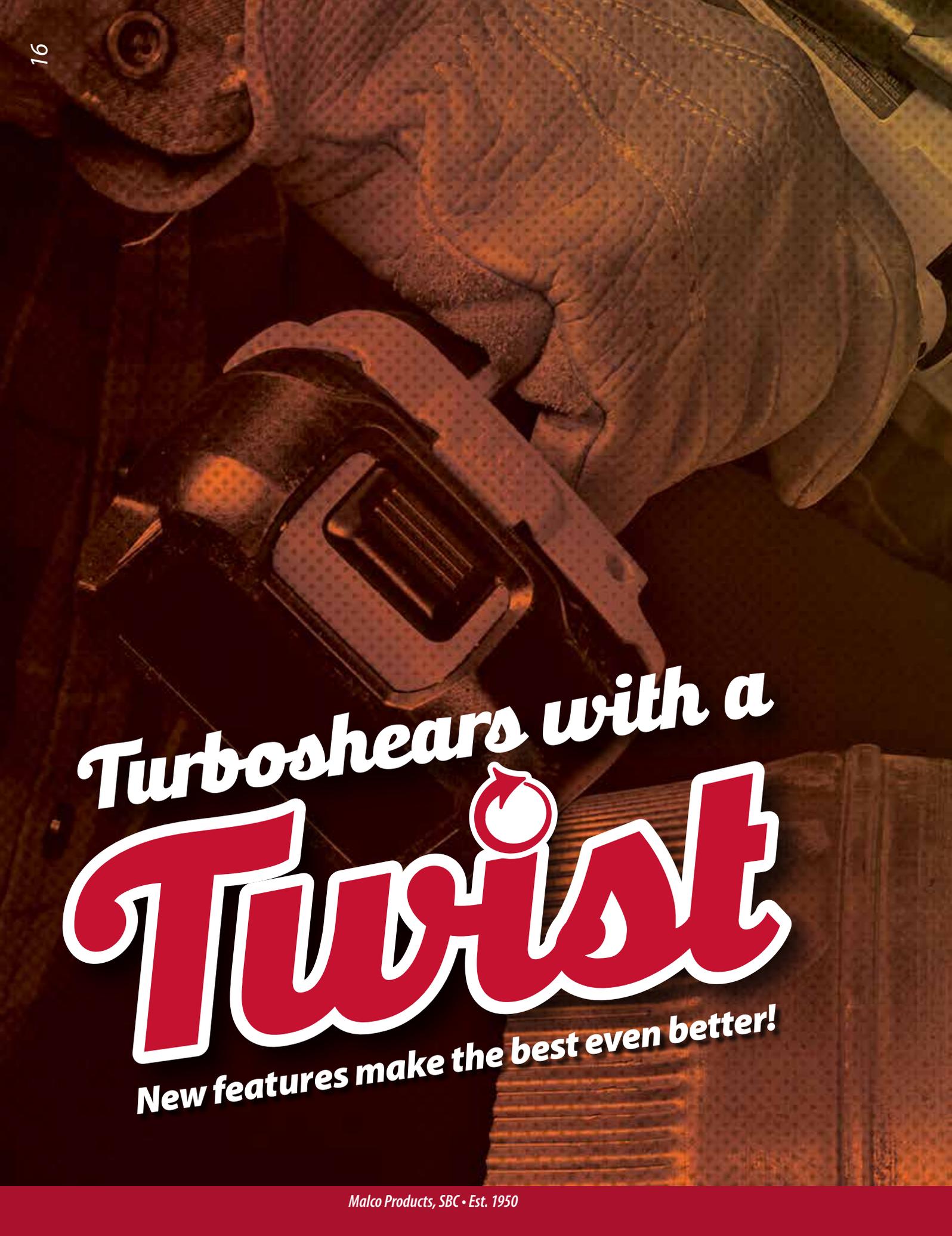
Material thickness recommendation for Bit-Tips

| Catalog Number | Head Type | Screw Size | Driver Size | Material Thickness | | | | |
|------------------------|------------|-------------|-------------|--------------------|------|------|------|------|
| | | | | .050 | .100 | .150 | .200 | |
| Bit-Tip Screw #2 Point | BT131 | Hex Washer | 8-18x1/2 | 1/4 | .035 | .100 | | |
| | BT132 | Hex Washer | 8-18x5/8 | 1/4 | | | | |
| | BT133 | Hex Washer | 8-18x3/4 | 1/4 | | | | |
| | BT134 | Hex Washer | 8-18x1 | 1/4 | | | | |
| | BT231 | Slotted Hex | 8-18x1/2 | 1/4 | | | | |
| | BT233 | Slotted Hex | 8-18x3/4 | 1/4 | | | | |
| BT141 | Hex Washer | 10-16x1/2 | 5/16 | .035 | .110 | | | |
| Bit-Tip Screw #3 Point | BT142 | Hex Washer | 10-16x5/8 | 5/16 | | | .110 | .175 |
| | BT143* | Hex Washer | 10-16x3/4 | 5/16 | | | | |
| | BT144 | Hex Washer | 10-16x1 | 5/16 | | | | |
| | BT153 | Hex Washer | 10-24x3/4 | 5/16 | | | .110 | .175 |
| | BT156 | Hex Washer | 10-24x1-1/2 | 5/16 | | | | |
| Bit-Tip Screw #3 Point | BT163 | Hex Washer | 12-14x3/4 | 5/16 | | | .110 | .210 |
| | BT164 | Hex Washer | 12-14x1 | 5/16 | | | | |

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 | | | | | | | | | | Tensile Strength lbs. | Torsional Strength in.-lbs. | |
|----|----|----|---|-----|-----|-----|-----|-----|-------|-------|-------|-------|-----------------------|-----------------------------|------|
| | | | 26 | 24 | 22 | 20 | 18 | 16 | 14 | 13 | 1/8 | 10 | | | 3/16 |
| 8 | 18 | #2 | 150 | 187 | 289 | 334 | 507 | 643 | 977 | | | | | 1575 | 42 |
| | | #3 | | | | | | | | | | | | | |
| 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 |

A pair of heavy-duty, quilted work gloves is shown in the upper half of the image. Below them, a pair of Malco Turbohear shears is prominently displayed. The shears have a black handle with a textured grip and a silver blade. The background is a dark, textured surface, possibly a workbench or a piece of machinery.

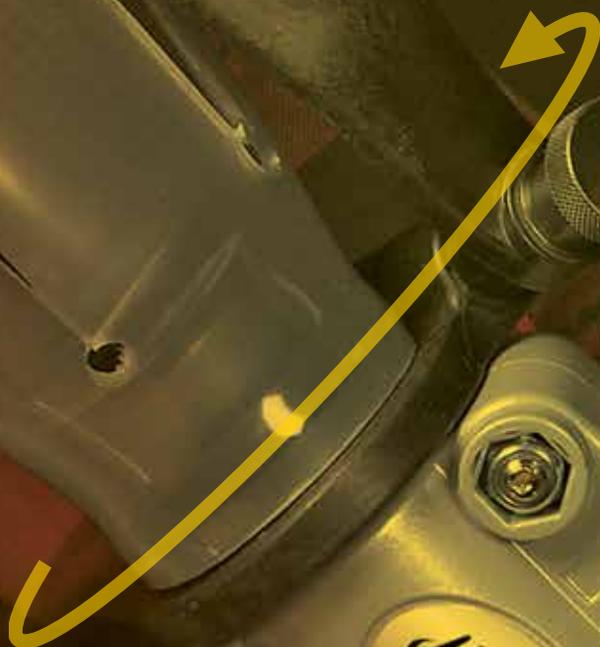
Turboshears with a
Twist
New features make the best even better!



Rotating head keeps drill clear of the material.

Drill Attachments

- 18 ga. Metal Cutting
- Double Cut Metal Cutting
- Corrugated Metal
- Fiber Cement Siding
- Fiber Cement Backerboard
- Vinyl Siding
- Asphalt Shingles
- Natural Roofing Slate



Patented 360° Rotating Head

The 360-degree rotating head, now standard on most TurboShear models, allows users to position and lock the drill so it doesn't interfere with material for quick, hassle-free cuts every time!



Telescoping Drill Clamp

More compact Telescoping Molded Drill Clamp fits drills and impact drivers large and small- including newer lithium-ion models. Allows tool to rotate 360° and lock into position. The adjustment wrench stores with the tool, preventing loss.

Metal Cutting - 18 ga.**TurboShearHD**

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

This well tailored attachment quickly inserts into the chuck of a corded or cordless drill to make fast straight, curved or square cuts in most common sheet metals. A sleek, lightweight aluminum cast shear head and molded drill clamp allow maximum portability and ease to go wherever the work is.



Pat. No. 9,649,702

TSHD

360° Rotating Head

**Drill Requirements:**

1/4 in. (6.35 mm) Chuck,
Min. 14.4V - DC, Max 7A-AC



Drill Not Included. • Patented



| Catalog Number | Description | Net Wt. oz. (g) | Net Wt. lbs. (kg) |
|--------------------------|--|-----------------|-------------------|
| TSHD | TurboShear Heavy-Duty | — | 2.2 (1.00) |
| Replacement Parts | | | |
| TSDC | TurboShear Drill Clamp | 8 (227) | — |
| TSCG | TurboShear Chuck Guard | .96 (27) | — |
| TSHDRB | TurboShear Heavy Duty Replacement Blades | — | — |

Metal Capacities

| Material | Spiral Duct 20 Gauge | Galvanized Steel 18 Gauge | Mild Steel 18 Gauge |
|-------------|----------------------|---------------------------|---------------------|
| inches (mm) | 0.040 (1.02) | 0.052 (1.32) | 0.048 (1.22) |

Corrugated Metal Cutting - 30/24 ga.**TurboShearCM**

Easily cut corrugated mild steel with ease. Attach to any drill to navigate cross cuts in metal roofing panels.

This versatile and portable TurboShear fits a drill you already own to make easy cross cuts, fast lengthwise cuts, even circular and square outlets cuts in large or small pattern corrugated metal roofing and most trapezoidal (box) pattern metal roofing panels.

Elongated blades with compact jaws create a steep 75-degree offset for a nearly vertical approach when starting a cut.



Pat. No. 9,649,702

TSCM

360° Rotating Head

**Drill Requirements:**

1/4 in. (6.35 mm) Chuck,
Min. 14.4V - DC, Max 7A-AC



Drill Not Included. • Patented



| Catalog Number | Description | Net Wt. oz. (g) | Net Wt. lbs. (kg) |
|--------------------------|--|-----------------|-------------------|
| TSCM | Corrugated Metal TurboShear | — | 2.2 (1.00) |
| Replacement Parts | | | |
| TSDC | TurboShear Drill Clamp | 8 (227) | — |
| TSCG | TurboShear Chuck Guard | .96 (27) | — |
| TSCMRB | Corrugated Metal TurboShear Replacement Blades | — | — |

Metal Capacities

| Material | Mild Steel - 30 - 24 gauge |
|-------------|----------------------------|
| inches (mm) | .012 - .024 (0.31 - 0.61) |

Double Cut Metal Cutting - 18 ga.

TurboShearMD

Attach to any drill for easy, clean shearing on both edges of cut. Cut either direction, as scrap spirals out of tool path when cutting.

The Double-Cut TurboShear removes a narrow spiral scrap from the tool path to produce a clean, straight edge on both sides of the cut. Approach a cut from either end to produce a quality work-piece edge. Also navigate up to 90° outside profiles of metal roofing panels, or metal ductwork, and cut through seams!



Pat. No. 9,649,702

TSMO



360° Rotating Head



Drill Requirements:

1/4 in. (6.35 mm) Chuck,
Min. 14.4V - DC, Max 7A-AC



Drill Not Included. • Patented



| Catalog Number | Description | Net Wt. oz. (g) | Net Wt. lbs. (kg) |
|--------------------------|--|----------------------------------|----------------------------|
| TSMO | Double Cut TurboShear | — | 2.6 (1.18) |
| Replacement Parts | | | |
| TSDC | TurboShear Drill Clamp | 8 (227) | — |
| TSCG | TurboShear Chuck Guard | .96 (27) | — |
| TSMOBR | Double Cut TurboShear Replacement Blades | — | — |
| Metal Capacities | | | |
| Material | Spiral Duct 20 Gauge | Galvanized Steel 18 Gauge | Mild Steel 18 Gauge |
| inches (mm) | 0.040 (1.02) | 0.052 (1.32) | 0.048 (1.22) |

Natural Roofing Slate

TurboShearNS

Attach to any drill to make fast rough-hewn straight, angled or scalloped cuts in Natural Roofing Slate

Make fast straight, angled or curved cuts in 4mm to 8mm natural roofing slate. Cutting slate with finished side up produces an authentic-looking, hand-cut appearance. And a padded skid plate prevents scratches to the exposed slate finish. Cut thousands of linear feet of roofing slate quickly and easily all season long!



Pat. No. 9,649,702

TSNS1



360° Rotating Head



Drill Requirements:

1/4 in. (6.35 mm) Chuck,
Min. 14.4V - DC, Max 7A-AC



4 mm ~ 8 mm

Drill Not Included. • Patented



| Catalog Number | Description | Net Wt. oz. (g) | Net Wt. lbs. (kg) |
|--------------------------|--|-----------------|-------------------|
| TSNS1 | TurboShear, Natural Roofing Slate | — | 2.5 (1.13) |
| Replacement Parts | | | |
| TSDC | TurboShear Drill Clamp | 8 (227) | — |
| TSCG | TurboShear Chuck Guard | .96 (27) | — |
| TSNS1RBEV | TurboShear Replacement Blades & Skid Plate for TSNS1 | — | — |

Vinyl Siding Cutting

TurboShearVC

Use your Drill to navigate all Popular Vinyl Siding Styles and power your way through thick lock seams and profiles.

Vinyl Cutting TurboShears provide easy scissor action for making straight cuts, circles and squares in vinyl siding. A knife-like beveled blade edge quickly penetrates siding to start cut. Non-slip blades and 3/8 in. (9.53 mm) jaw opening tackles lock-seams with ease. Wide jaws combined with a 3/4 in. (19.05 mm) length of cut makes easy work of cutting through siding profiles.



Drill Not Included. • Patented



Pat. No. 9,649,702

TSV1



360° Rotating Head



Drill Requirements:

1/4 in. (6.35 mm) Chuck,
Min. 14.4V - DC, Max 7A-AC

| Catalog Number | Description | Net Wt. oz. (g) | Net Wt. lbs. (kg) |
|--------------------------|--|-----------------|-------------------|
| TSV1 | TurboShear, Vinyl Cutting | — | 2.16 (0.98) |
| Replacement Parts | | | |
| TSDC | TurboShear Drill Clamp | 8 (227) | — |
| TSCG | TurboShear Chuck Guard | .96 (27) | — |
| TSV1RB | TurboShear, Vinyl Cutting Replacement Blades | — | — |



Asphalt Roofing Shingles - 1/2 in.

TurboShearSS

Attach to any drill for fast straight cuts, circles and squares in heavy asphalt shingles.

Make fast, clean, trim cuts in multiple layers of asphalt shingles, up to 1/2 in. (12.7 mm) thick. Easily shear along a roof valley, or make tight left square cuts and circles to fit around utility outlets, with equal precision and ease. An extra-wide jaw opening with beveled lead-in tip on the upper blade handles multiple shingle layers. And a wide, flat lower blade offers exceptional operator control. Heat-treated carbon steel blades with solid carbide inserts hold their edge longer in any life-rated shingle or shingle thickness.



Drill Not Included. • Patented



Pat. No. 9,649,702

TSS1



360° Rotating Head



Drill Requirements:

1/4 in. (6.35 mm) Chuck,
Min. 14.4V - DC, Max 7A-AC

- Heat-Treated Carbon Steel Blades with solid carbide inserts offer long cutting life.
- Wide opening jaw with beveled lead-in tip accommodates multiple shingle layers.

| 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 Chuck Guard | .96 (27) | — |
| TSS1RBEV | TurboShear Asphalt Shingle Replacement Blades | — | — |

1/2 in. (12.7 mm) Asphalt Shingles

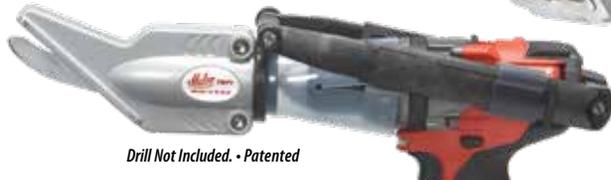


Fiber Cement Siding - 5/16 in.

TurboShearFC

Make your drill a Fiber Cement Siding Shear!
Cuts 5/16 in. (8 mm) Fiber Cement Siding Plank with Minimal Dust!

A wide skid-plate on the head design stabilizes cutting action for extra-smooth results in 5/16 in. (8 mm) fiber cement siding plank. This versatile shear also navigates curved-pattern cuts for window and door arches. One blade and skid plate set will last an average of 30 residential siding projects. You can even rotate the tool's skid plate to maximize cutting life.



Drill Not Included. • Patented



Pat. No. 9,649,702

Minimal Dust!
TSF1



360° Rotating Head



Drill Requirements:
1/4 in. (6.35 mm) Chuck,
Min. 14.4V - DC, Max 7A-AC



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

| 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 Chuck Guard | .96 (27) | — |
| TSF1RBN | TurboShear Replacement Blades for TSF1 (shown) | — | — |
| TSF1RB | TurboShear Replacement Blades for original TSF1 | — | — |

5/16 in. / 8 mm Fiber Cement Siding

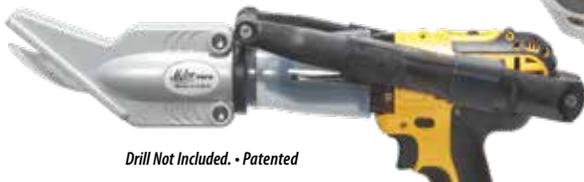
Makita
360° TurboShears
21

Fiber Cement Backerboard - 1/2 in.

TurboShearFC

Make fast, straight cuts and quick corners in 1/2 in. (13 mm) fiber cement backerboard and do it all with an easy one-hand operation.

Designed to replace messy, imprecise, scoring and snapping methods of trimming backerboard. A wide skid-plate on the head design stabilizes cutting action for extra smooth results. This versatile shear navigates curved-pattern cuts for window and door arches and will also cut 5/16-in. (8 mm) fiber cement siding plank. You can even rotate the tool's skid plate to maximize acceptable cutting life.



Drill Not Included. • Patented



Pat. No. 9,649,702

Minimal Dust!
TSF2



360° Rotating Head



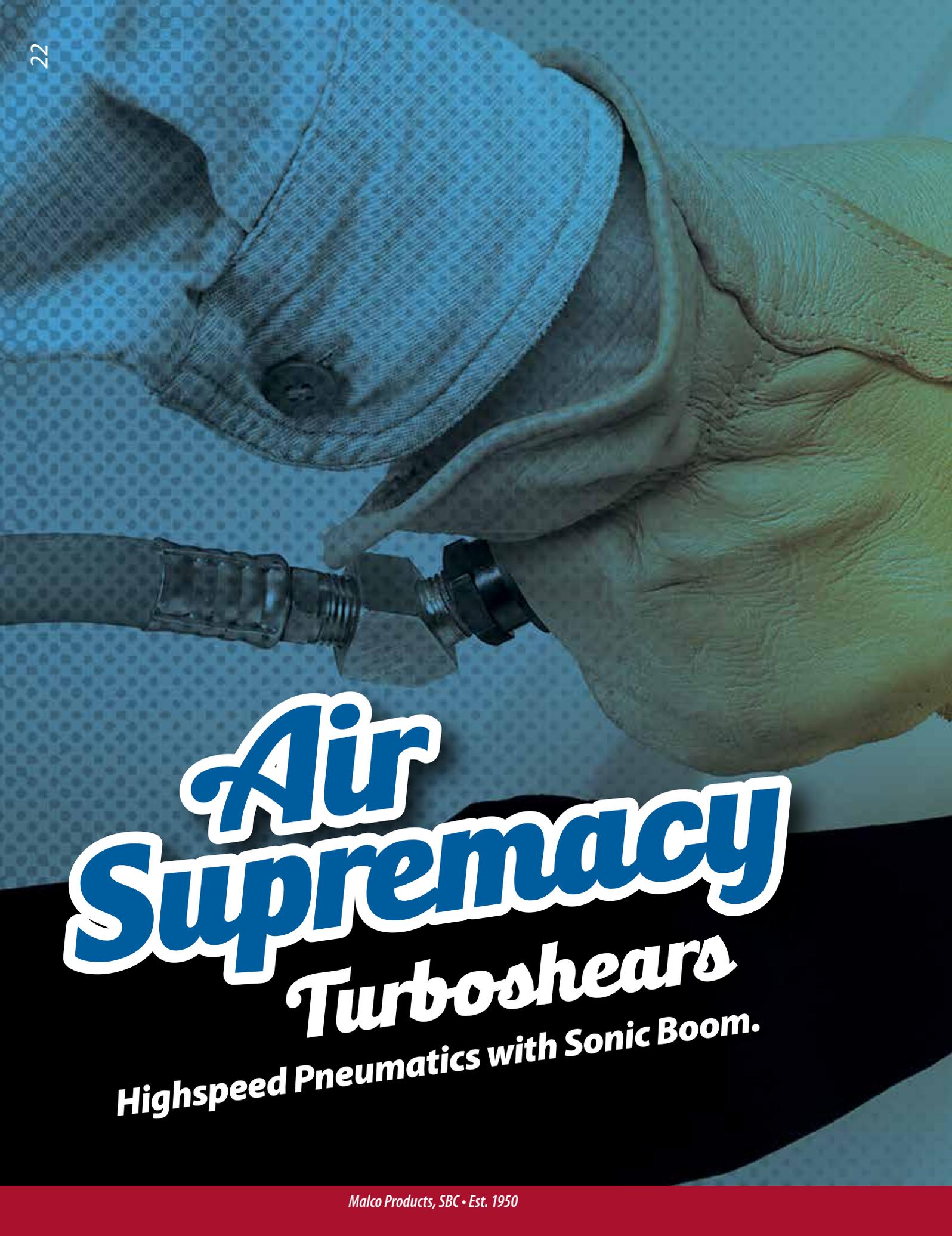
Drill Requirements:
1/4 in. (6.35 mm) Chuck,
Min. 14.4V - DC, Max 7A-AC



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

| 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 Chuck Guard | .96 (27) | — |
| TSF2RBN | TurboShear Replacement Blades for TSF2 (shown) | — | — |
| TSF2RB | TurboShear Replacement Blades for original TSF2 | — | — |

1/2 in. / 13 mm Fiber Cement Backerboard



Air Supremacy

Turboshears

Hightspeed Pneumatics with Sonic Boom.

Speedy, Lightweight, & Very Nimble

in all popular TurboShear Cutting Applications:

- 18 ga. Metal Cutting
- Double Cut Metal Cutting
- Vinyl Siding
- Asphalt Shingles
- Fiber Cement Siding
- Fiber Cement Backerboard



Metal Cutting - 18 ga.

TurboShearHD Air

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

The ultimate tool for those who want to make fast, easy cuts, any kind of cuts, in most common sheet metals. This versatile, compact pneumatic shear cuts straight and to the left and is capable of navigating profiles, tight patterns or square corners. Compatible with standard on-the-job or in-the-shop air supply set-ups.



2600 RPM
2600 TR/Min
4 CFM, 133 L/Min
90 PSI, 6.2 Bar



| Catalog Number | Description | Net Wt. oz. (g) | Net Wt. lbs. (kg) |
|--------------------------|--|-----------------|-------------------|
| TSHD1A | TurboShear Heavy-Duty, Pneumatic | — | 2.2 (1.00) |
| Replacement Parts | | | |
| TSHDRB | TurboShear Heavy Duty Replacement Blades | — | — |

| Metal Capacities | | | |
|-------------------------|----------------------|---------------------------|---------------------|
| Material | Spiral Duct 20 Gauge | Galvanized Steel 18 Gauge | Mild Steel 18 Gauge |
| inches (mm) | 0.040 (1.02) | 0.052 (1.32) | 0.048 (1.22) |

Vinyl Siding Cutting

TurboShearVC Air

Use air power to make fast straight cuts, left circles and squares in all popular vinyl siding styles.

Use air power to make fast straight cuts, left circles and squares in all popular vinyl siding styles. A knife-like beveled blade edge and easy scissor action quickly penetrates vinyl siding to start cut. Non-slip bite and 3/8 inch (9.53 mm) jaw opening tackles the lock-seam edge of siding with ease. And the wide opening jaws combined with a 3/4 inch (19.05 mm) cutting length make easy work of cutting through profiles.



2600 RPM
2600 TR/Min
4 CFM, 133 L/Min
90 PSI, 6.2 Bar



| Catalog Number | Description | Net Wt. oz. (g) | Net Wt. lbs. (kg) |
|--------------------------|--|-----------------|-------------------|
| TSV1A | TurboShear, Vinyl Cutting, Pneumatic | — | 3.3 (1.50) |
| Replacement Parts | | | |
| TSV1RB | TurboShear, Vinyl Cutting Replacement Blades | — | — |

Double Cut Metal Cutting - 18 ga.



CE

TurboShearMD Air

Air Power for easy, clean shearing on both edges of cut. Cut either direction, as scrap spirals out of tool path when cutting.

Now you can get double-cut performance in a versatile Malco TurboShear. The 2600 RPM (2600 TR/Min) model TSMDA TurboShear Air Tool is compatible with your existing air supply and offers maximum power and speed in a double-cut style shear.



TSMDA



2600 RPM
2600 TR/Min

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



| Catalog Number | Description | Net Wt. oz. (g) | Net Wt. lbs. (kg) |
|--------------------------|----------------------------------|-----------------|-------------------|
| TSMDA | Double Cut TurboShear, Pneumatic | — | 3.6 (1.63) |
| Replacement Parts | | | |
| TSMDRB | Double Cut Replacement Blades | — | — |

Metal Capacities

| Material | Spiral Duct 20 Gauge | Galvanized Steel 18 Gauge | Mild Steel 18 Gauge |
|-------------|----------------------|---------------------------|---------------------|
| inches (mm) | 0.040 (1.02) | 0.052 (1.32) | 0.048 (1.22) |

Asphalt Roofing Shingles - 1/2 in.



CE

TurboShearSS Air

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.

This high speed pneumatic TurboShear Model TSS1A is specialized for cutting all types of asphalt shingles. A standard gas powered job-site compressor with 50-foot (15.24 m) hose set-up is adequate to power this versatile air tool.



TSS1A



2600 RPM
2600 TR/Min

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



- Heat-Treated Carbon Steel Blades with solid carbide inserts offer long cutting life.
- Wide opening jaw with beveled lead-in tip accommodates multiple shingle layers.

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

1/2 in. (12.7 mm) Asphalt Shingles



Fiber Cement Siding - 5/16 in.

TurboShearFCAir



Fast Cutting, compact, Pneumatic Fiber Cement Siding Shear is compatible with common air supply set-ups.

Combined with Malco's unique TurboShear Fiber Cement Design, the TSF1A is the ultimate tool for those who want to make quick, clean cuts in fiber cement siding including window and door arches!



TSF1A



CE

2600 RPM
2600 TR/Min

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



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

| Catalog Number | Description | Net Wt. oz. (g) | Net Wt. lbs. (kg) |
|--------------------------|---|-----------------|-------------------|
| TSF1A | TurboShear, Fiber Cement, Pneumatic | — | 3.6 (1.63) |
| Replacement Parts | | | |
| TSF1RBN | TurboShear Replacement Blades for TSF1A shown above | — | — |
| TSF1RB | TurboShear Replacement Blades for original TSF1A | — | — |

5/16 in. / 8 mm Fiber Cement

Fiber Cement Backerboard - 1/2 in.

TurboShearFCAir



Use your existing Air Supply! This pneumatic TurboShear will cut 1/2 in. (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.



TSF2A



CE

2600 RPM
2600 TR/Min

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



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

| Catalog Number | Description | Net Wt. oz. (g) | Net Wt. lbs. (kg) |
|--------------------------|--|-----------------|-------------------|
| TSF2A | TurboShear, Fiber Cement Backerboard, Pneumatic | — | 3.6 (1.63) |
| Replacement Parts | | | |
| TSF2RBN | TurboShear Replacement Blades | — | — |
| TSF2RB | TurboShear Replacement Blades for original TSF2A | — | — |

1/2 in. / 13 mm Fiber Cement Backerboard

Metal Cutting - 20 ga.

THE Original

TurboShear

The time-saving TURBOSHEAR Model TS1 inserts directly into the chuck of a standard 1200 rpm A/C or cordless drill. It's that easy to convert your power drill to a power shear! Cuts straight and to the left and is capable of navigating tight curved patterns and squares in heavy 20-gauge (1.02 mm) galvanized steel.



Malco

Drill Attachments

27



360° Rotating Collar will not fit on this model.

Drill Not Included.



TS1



Drill Requirements:

1/4 in. (6.35 mm) Chuck,
Min. 14.4V - DC, Max 7A-AC



| Catalog Number | Description | Net Wt. oz. (g) |
|--------------------------|---|-----------------|
| TS1 | TurboShear, "Original" | 26 (737) |
| Replacement Parts | | |
| TSDC | TurboShear Drill Clamp | 8 (227) |
| TS1RB | TurboShear, "Original" Replacement Blades | — |

Metal Capacities

| Material | Galvanized Steel 20 Gauge | Cold Rolled 20 Gauge |
|-------------|---------------------------|----------------------|
| inches (mm) | 0.040 (1.02) | 0.036 (0.91) |

Metal Cutting - 16 ga.

TurboShear 16 ga.

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.



Five position adjustable, locking head



TSA2



360° Rotating Collar will not fit on this model.

Drill Not Included. • Patented

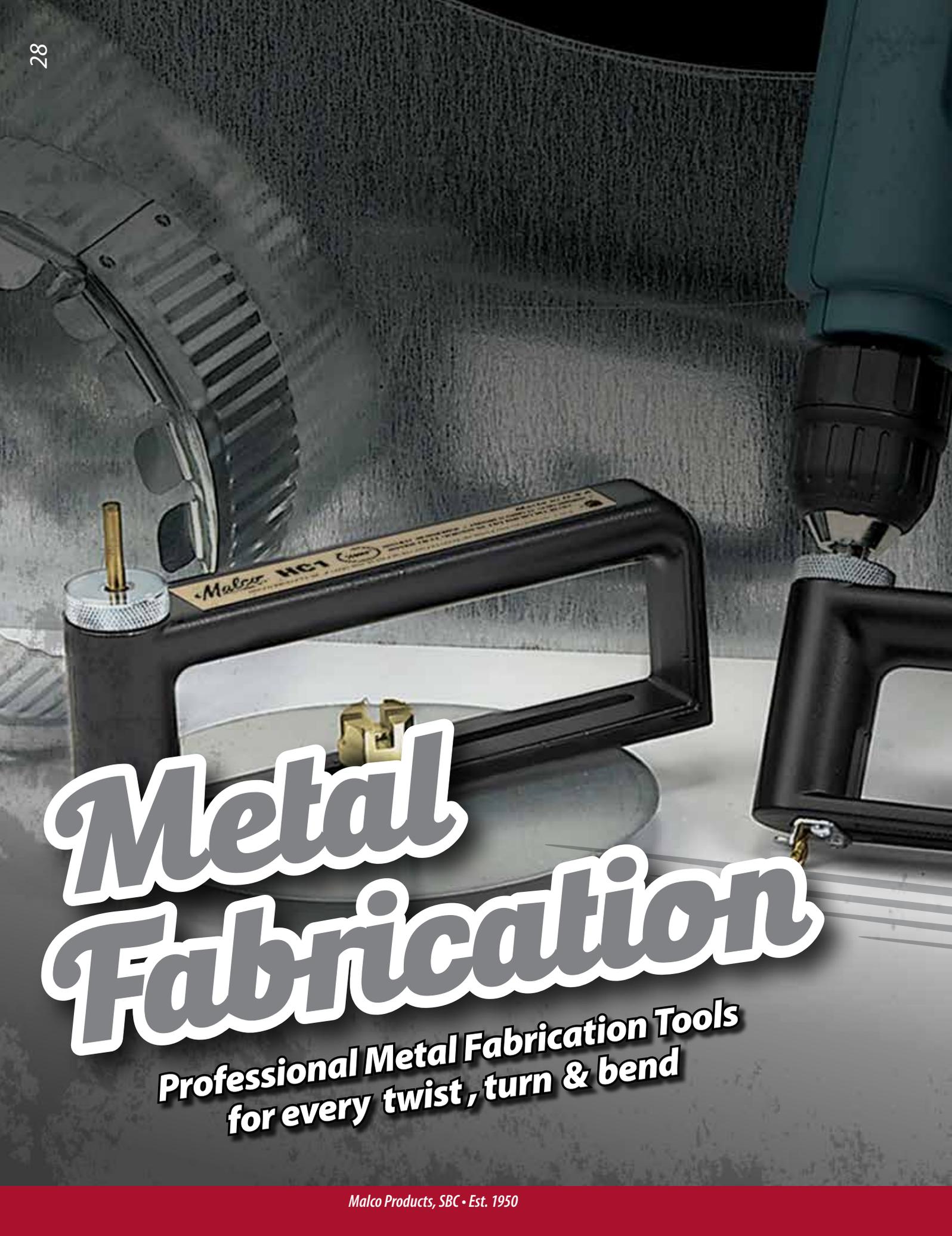
Drill Requirements:

Minimum 14.4 Volt Cordless / Maximum 7 Amp A/C

| Catalog Number | Description | Net Wt. oz. (g) | Net Wt. lbs. (kg) |
|--------------------------|-------------------------------------|-----------------|-------------------|
| TSA2 | TurboShear, 16 ga. Drill Attachment | — | 3.3 (1.50) |
| Replacement Parts | | | |
| TSDC | TurboShear Drill Clamp | 8 (227) | — |
| TSCG | TurboShear Chuck Guard | .96 (27) | — |
| TS1RB | Replacement Cutter Inserts | 4 (113.4) | — |

Metal Capacities

| Material | Galvanized Steel 16 Gauge | Cold Rolled 16 Gauge |
|-------------|---------------------------|----------------------|
| inches (mm) | 0.064 (1.63) | 0.060 (1.52) |



Metal Fabrication

Professional Metal Fabrication Tools
for every twist, turn & bend

Bend, Cut, Score and so much more!

- *Hole Cutters • Mini-Aviation Snips*
- *Stone Coated Steel Roofing Cutter • TurboCrimpers •*
- *Andy Snips • Aviation Snips • Saw Blades • Crimpers •*
- *Folding Tools • Scoring Tools • Connex Ratchet Kits •*
- *Mini-Brake • Pan Style Mini-Brake • Notchers •*
- *Reciprocating Saw Blades • Hammers • Gutter Saws*
- *Rivets • Drill Sets • Dampers and MORE!*

Hole Cutters

Sheet Metal Circles made easy.



HC1
2-12 in. (51-305 mm)
Diameter Circles



HC2
2-20 in. (51-508 mm)
Diameter Circles



Distinctive gold bits, bearings and pivot pin signify the longest lasting, fastest cutting, easiest adjusting solution for cutting holes in sheet metal.

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 in. (51 to 305 mm) diameter holes. The larger HC2 model cuts 2 to 20 in. (51 to 508 mm) holes. A combination English/Metric diameter gauge is included on the adjustable pivot slide for both, also including the same mill-type Cutter Bit and replacement parts.

Malco Hole Cutters quickly install into the chuck of any corded or cordless drill as small as 1/4 in. (6.35 mm).

Gold Standard Cutter Bits

The Real Difference



Malco cutter bits feature a long lasting, mill type cutting edge and large flat for adjusting the cutting edge location up or down to extend bit life. One cutter bit fits either model and is easily replaceable. Available in 1 packs (CB), 6 packs (CBB) and 100 Bulk Packs (CB100).



CB



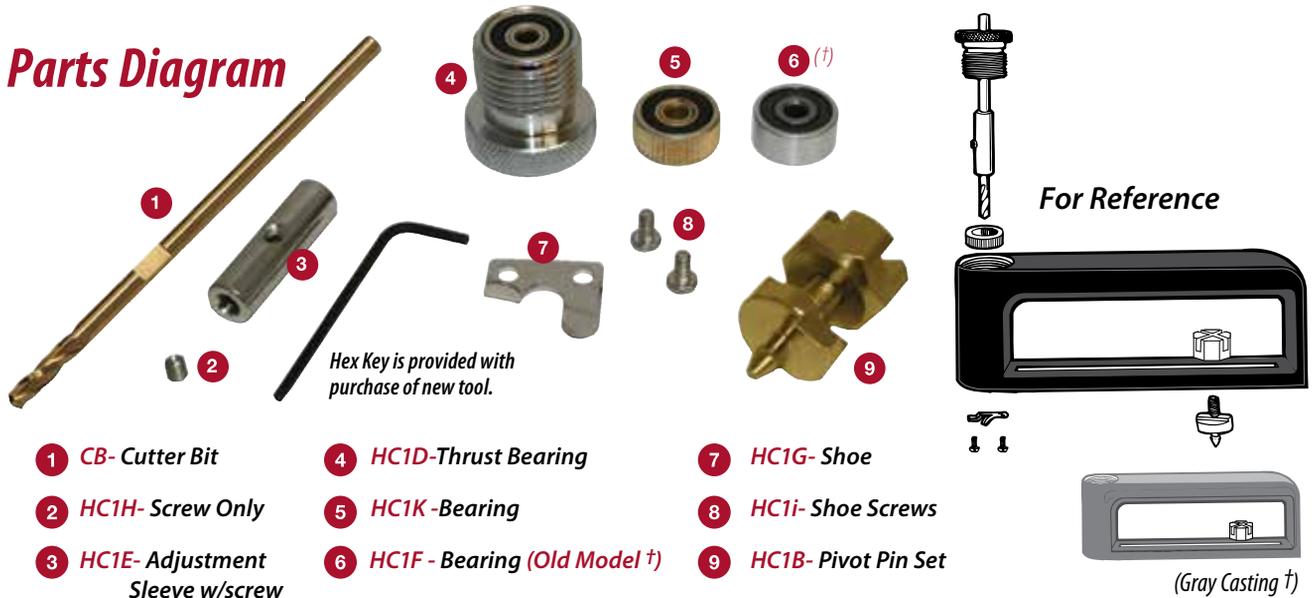
CBB



CB100



Parts Diagram



- 1 CB- Cutter Bit
- 2 HC1H- Screw Only
- 3 HC1E- Adjustment Sleeve w/screw
- 4 HC1D-Thrust Bearing
- 5 HC1K -Bearing
- 6 HC1F - Bearing (Old Model †)
- 7 HC1G- Shoe
- 8 HC1i- Shoe Screws
- 9 HC1B- Pivot Pin Set

| Catalog Number | Description | Steel Type | 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) | HSS (High Speed) | — | — |
| CBB* | Mill Type Cutter Bit (6 pack) | HSS (High Speed) | — | — |
| CB100* | Mill Type Cutter Bit (100 tub) | HSS (High Speed) | — | — |
| CAPACITIES | | | | |
| | Material | Aluminum | Galvanized Steel 20 Gauge | Mild Steel 20 Gauge |
| HC1 / HC2 | inches (mm) | .054 (1.37) | .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

HCAD

Angle Drive Accessory

May be used to help cut take-off holes in 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 in. (12.7 and 9.5 mm) electric drills. Comes with own chuck.





C5A2

TurboCrimper Impact

Get the competitive edge with a labor saving, cost-saving TurboCrimper impact driver attachment. **78% faster than hand tools!** It also eliminates the need for costly couplings.

Crimps 30 – 24 Ga.
(0.41 - 0.71 mm)
Galvanized Steel

5X FASTER THAN HAND CRIMPERS



Use Impact Driver Only!

Min. 12V DC Impact Driver with quick release 1/4 in. Hex Chuck.

Based on actual field trials. The Malco TurboCrimper IMPACT is designed to work with a Minimum 12 Volt DC Cordless or Maximum 7 Amp AC Corded IMPACT DRIVER equipped with a Quick Release 1/4 inch Hex Chuck.

CHUCK IT UP AND GO

No set-up or adjustment is needed to immediately begin crimping multiple sizes, types and thickness of round metal duct, including spiral duct, and metal stove pipe.

TIME SAVING, LABOR SAVING

Simple effective design increases speed and ease of crimping 30 – 24 gauge (0.41 – 0.71 mm) galvanized steel round duct and (0.31 - 0.61 mm) cold rolled steel stove pipe.

STORAGE? NO PROBLEM.

The compact TurboCrimper IMPACT is easy to balance while in use and stores easily in a pouch or bag when not in use.

Operating Tips



| Catalog Number | Description | Chuck Requirements | Impact Driver Requirements | Net Weight |
|----------------|---------------------|-----------------------|----------------------------|----------------|
| C5A2 | TurboCrimper IMPACT | 1/4 in. Quick Release | Min. 12V DC, Max 7A AC | 30 oz. (848 g) |

| Replacement Drive Shaft | |
|-------------------------|-------------------------|
| CSA2RD EV | Replacement Drive Shaft |

| Metal Capacities | | |
|------------------|------------------------------|---------------------------|
| Material | Galvanized Steel 30-24 Gauge | Cold Rolled 30-24 Gauge |
| inches (mm) | 0.016 - 0.034 (0.41-0.71) | 0.016 - 0.034 (0.31-0.61) |





TurboCrimper

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

C5A



Drill Not Included.
Patented

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.



Drill Requirements:

3/8 in. (9.53 mm) Chuck,
Min. 14.4V - DC, Max 7A-AC

Drill should be set to low forward drilling speed.

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 TurboCrimper is easily operated with one hand. Set the drill at low forward drilling speed. A 9:1 gear reduction ensures safety and control.

360° Rotating Collar will not fit on this model.

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.

| Catalog Number | Description | Net Wt. oz. (g) | Net Wt. lbs. (kg) |
|--------------------------|--------------------------------|-----------------|-------------------|
| C5A | Turbo Crimper Drill Attachment | — | 4.9 (2.22) |
| Replacement Parts | | | |
| TSDC | TurboShear Drill Clamp | 8 (227) | — |
| TSCG | TurboShear Chuck Guard | .96 (27) | — |

Metal Capacities

| Material | Galvanized Steel 30-24 Gauge |
|-------------|------------------------------|
| inches (mm) | 0.016 - 0.028 (0.41-0.71) |





Andy & Andy Classics 12 inch Snips

High carbon inset steel blades with sleek aluminum frames for greater maneuverability and superior material flow.

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

M12N



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

MC12N



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

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

M12NG



MC12NG



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

M12A



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

The snug fit and feel of the original Andy Classic.

MC12A



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

| Catalog Number | Description | Length of Cut in. (mm) | Tool Length in. (cm) | Net Wt. oz. (g) | Replacement Blades |
|----------------|--|------------------------|----------------------|-----------------|--------------------|
| M12N | Andy 12 in. (31 cm) Pattern Snip | 3 (76.2) | 12 (31) | 16 (454) | M12NRB |
| M12NG | Andy 12 in. (31 cm) Pattern Snip "Gripped" | 3 (76.2) | 12 (31) | 20 (567) | M12NRB |
| MC12N | Andy 12 in. (31 cm) Combination Snip | 3 (76.2) | 12 (31) | 16 (454) | MC12NRB |
| MC12NG | Andy 12 in. (31 cm) Combination Snip "Gripped" | 3 (76.2) | 12 (31) | 20 (567) | MC12NRB |

| 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 in. (31 cm) Pattern Snip | 3 (76.2) | 12 (31) | 17 (482) | M12ARB | M12 use M12RB |
| MC12A | Andy Classic 12 in. (31 cm) Combination Snip | 3 (76.2) | 12 (31) | 17 (482) | MC12ARB | MC12 use MC12RB |

| 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 & Andy Classics 14 inch Snips

Andy Snips feature multiple handle openings to fit large or small hands and provide superior material flow. A sleek head design improves maneuverability. A full 3-1/4 in. (82.6 mm) cutting length makes straight shearing fast and easy.



Pressure-fit inset blades make field replacement easy!

M14N



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

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

MC14N



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

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

M14A



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

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

MC14A



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

| Catalog Number | Description | Length of Cut in. (mm) | Tool Length in. (cm) | Net Wt. oz. (g) | Replacement Blades | Original Model Replacement Blades |
|----------------|--|------------------------|----------------------|-----------------|--------------------|-----------------------------------|
| M14A | Andy Classic 14 in. (36 cm) Pattern Snip | 3-1/4 (82.6) | 14 (36) | 22 (624) | M14ARB | M14 use M14RB |
| MC14A | Andy Classic 14 in. (36 cm) Combination Snip | 3-1/4 (82.6) | 14 (36) | 22 (624) | MC14ARB | MC14 use MC14RB |
| M14N | Andy 14 in. (36 cm) Pattern Snip | 3-1/4 (82.6) | 14 (36) | 20 (567) | M14NRB | — |
| MC14N | Andy 14 in. (36 cm) Combination Snip | 3-1/4 (82.6) | 14 (36) | 20 (567) | MC14NRB | — |

| CAPACITIES | Material | Aluminum | Copper | Stainless Steel 26 Gauge | Galvanized Steel 24 Gauge | Mild Steel 24 Gauge |
|----------------|-------------|-------------|-------------|--------------------------|---------------------------|---------------------|
| All Andy Snips | inches (mm) | .035 (0.89) | .023 (0.58) | .018 (0.46) | .028 (0.71) | .024 (0.61) |

Max2000 Aviation Snips

Nothing outcuts, outmaneuvers or outlasts Max!



MAX[®] 2000

M2001



M2003



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).

M2002



Sharp Tipped Center Jaw

M2004



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.

M2006



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 and cutting performance.

M2007



M2005



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.

| 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 in. (125 mm) diameter Circles. | Red | 1-1/4 (31.8) | 10 (254) | 16 (454) |
| M2007 | Offset | Cuts sharp right angles, straight lines and 5 in. (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) |
| | 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) |

Max2000 Replacement Spring
Order: M2000S

Max2000 Classic Aviation Snips



Back by popular demand! Nothing feels quite like Max2000 Classic Snips!

MAX2000 Aviation Snips are the first choice for precise, professional results – any way you cut it! Whether choosing the new grips of our MAX2000 series or going with our classic handle aviation snips, now called MAX2000 Classics, pros know they can count on Malco performance with every cut, snip or notch.



CLASSICS

| Catalog Number | Description | Cutting Application | Grip Color | Length of Cut in. (mm) | Tool Length in. (mm) | Net Wt. oz. (g) |
|----------------|-------------|--|------------|------------------------|----------------------|-----------------|
| M2001C | Standard | Cuts Left | Red | 1-3/8 (34.9) | 10 (254) | 14 (397) |
| M2002C | Standard | Cuts Right | Green | 1-3/8 (34.9) | 10 (254) | 14 (397) |
| M2003C | Standard | Cuts Straight, Left and Right | Yellow | 1-11/16 (42.9) | 10 (254) | 14 (397) |
| M2006C | Offset | Cuts sharp left angles, straight lines and 5 in. (125 mm) diameter Circles. | Red | 1-1/4 (31.8) | 10 (254) | 16 (454) |
| M2007C | Offset | Cuts sharp right angles, straight lines and 5 in. (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 |
|------------|-------------|--------------|--------------|--------------------------|---------------------------|---------------------|
| Max Snips | inches (mm) | 0.062 (1.57) | 0.054 (1.37) | 0.038 (0.97) | 0.054 (1.37) | 0.048 (1.22) |

AVs Mini-Snips

BIG performance miniaturized.

Real Performance in a compact lightweight snip, designed for challenging tight spots



- Forged steel jaws with precision-ground serrations on the lower blade produce a sharply defined edge for cutting accuracy and control.
- The AVsMini left and right cutting offset design provides superior material flow in 24-gauge (0.61 mm) cold rolled and (0.71 mm) galvanized steel for making sharp square cuts, tight 5 inch (125 mm) diameter circles and straight line cuts, even on curved surfaces.
- With overall length of 7-1/8 inches (181 mm), the AVsMini easily works in tight or awkward spaces where full-size aviation snips are challenged.
- A 3/4 inch (19 mm) length of cut provides the optimum speed for confined cutting applications where this small, maneuverable snip excels.



AV1



AV3

Aviation Snips Forged Steel Aviation Snips

AV's Offset Right & Left Forged Snips

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



AV7

AV's Left, Right & Combination Aviation Snips

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



AV2



AV6

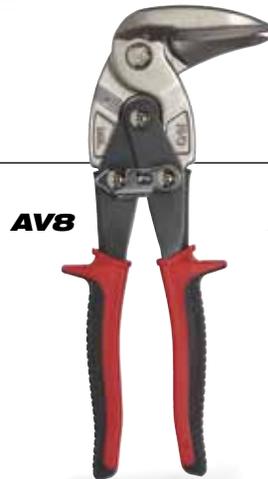
Vertical Forged Steel Aviation Snips



Easily Reach Tight Spaces & Cut Overhead.

AV's Left & 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.



AV8



AV9

Ultra

Lightweight Snips

**Heavyweight Attitude
at less than 10 ounces!**



ULC10



Includes a Full Size Handle!



- Strong, Lightweight 10 in. (254 mm) Polymer Frame
- Easy-To-Grasp, Protective Handle Loops
- Big 3 in. (76 mm) Long Controlled Cut
- Designed for all weather conditions
- Replacement Blades are easily installed.



Worry-Free Blade Changes! Malco Ultra Lightweight Snips utilize a fully threaded brass insert thermally anchored in the blade area of the polymer frame for holding power and no loss of thread integrity.

Pattern, Bulldog & Duckbill Forged Steel Snips

**Regular
Pattern Snips**
for straight cutting
and wide curves.



Bulldog Pattern Snips
Big, Powerful snip for straight
cuts and notches.



**Circular
Duckbill Snips**
Maneuver and cut easily
to the very tip of blade.
Cut a variety of material
without tearing or catching.

| Catalog Number | Description | Cutting Application | Grip Color | Length of Cut in. (mm) | Tool Length in. (mm) | Net Wt. oz. (g) |
|----------------|--------------------------|--|----------------------|------------------------|----------------------|-----------------|
| AV1 | Standard | Cuts Left | Red | 1-3/8 (34.9) | 9-5/8 (245) | 14 (397) |
| AV2 | Standard | Cuts Right | Green | 1-3/8 (34.9) | 9-5/8 (245) | 14 (397) |
| AV3 | Standard | Cuts Straight, Left and Right | Yellow | 1-1/2 (38.1) | 9-7/8 (251) | 14 (397) |
| AV6 | Offset | Cuts sharp left angles, straight lines and tight diameter circles | Red | 1-1/4 (31.8) | 9-5/8 (245) | 15 (425) |
| AV7 | Offset | Cuts sharp right angles, straight lines and tight diameter circles | Green | 1-1/4 (31.8) | 9-5/8 (245) | 15 (425) |
| AV8 | Vertical | Left Cutting Vertical Aviation Snip | Red | 1-3/8 (34.9) | 8-3/4 (222) | 16 (454) |
| AV9 | Vertical | Right Cutting Vertical Aviation Snip | Green | 1-3/8 (34.9) | 8-3/4 (222) | 16 (454) |
| AVM6 EV | Mini | Cuts Left | Red | 3/4 (19) | 7-1/8 (181) | 8 (227) |
| AVM7 EV | Mlni | Cuts Right | Green | 3/4 (19) | 7-1/8 (181) | 8 (227) |
| 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) | | |

| Catalog Number | Description | Length of Cut in. (mm) | Tool Length in. (cm) | Net Wt. oz. (g) | Replacement Blades | | | |
|----------------------|---------------------------------|------------------------|----------------------|------------------------|-------------------------|-------------------|--------------------------|------------------------|
| ULC10 | Metal Cutting, Combination Snip | 3 (76) | 10 (254) | 9.5 (254) | MC12ARB | | | |
| 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. |
| AV Snips | in. (mm) | 0.062 (1.57) | 0.054 (1.37) | 0.036 (0.91) | 0.052 (1.32) | 0.048 (1.22) | — | — |
| AV Minis AVM6, AVM7 | in. (mm) | — | — | — | — | — | 0.024 (0.61) | .028 (0.38) |
| AV Vertical AV8, AV9 | in. (mm) | — | — | — | — | — | 0.024 (0.61) | .028 (0.38) |
| Material | Aluminum | — | — | — | Galvanized Steel 26 Ga. | Mild Steel 26 Ga. | — | — |
| ULC10 | in. (mm) | .030 (0.76) | — | — | 0.020 (0.56) | 0.018 (0.46) | — | — |

5-Blade Crimper



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



3-Blade Crimper



Single Crimper



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.

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.

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

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

| 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) |
| SC1 | 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

Hand Notcher


N1R


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

13/16 in. (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

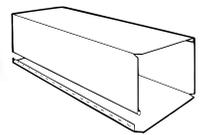

N2R


Provides more clearance for folding and fabricating metal ductwork

The N2R Notcher punches a big 1 in. (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.

Snap Lock Punch


SL1R


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 in. 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.

| 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

Hand Seamers



Die-Cast Zinc Jaws



S5R

Compact 5 in. (127 mm) Jaws
with Big 2 in. (51 mm) Bending Depth

Not for
use with
Steel



Die-Cast Zinc Jaws



S9R

Big 9 in. (229 mm) Jaws
with 2 in. (51 mm) Bending Depth

Not for
use with
Steel

Easy Folding Bends without ruining paint finish!

Die cast zinc jaws are gentle on painted or coated metal surfaces and ideal for making clean and accurate bends and seams in aluminum roof flashing, coil stock or fascia.

The jaws feature depth graduations in 1/4 inch (6.35 mm) increments to a maximum 2-inch (50.8 mm) bending depth. The jaws of these large die cast seamers are bowed so that they will hold firmly and evenly across the entire jaw width even when engaged on very light material. The large surface coverage of these jaws also has an appeal for limited flattening / straightening tasks in light gauge painted steel. These Seamers are not warranted for use as a striking tool or for prying or bending heavy ferrous sheet metal. Durable construction offers long, dependable service life under normal use. These tools also feature rust resistant nickel plating.

3 in. Hand Seamer

3 in. Offset Hand Seamer

6 in. Hand Seamer



Forged Steel Jaws



S2R

3-1/4 in. (83 mm) Jaws



Forged Steel Jaws



S3R

3-1/4 in. (83 mm) Jaws
with Offset Handles



Forged Steel Jaws



S6R

6 in. (152 mm) Jaws

Precise vee-notched depth graduations on jaws are in 1/4 in. (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. The S6R features wide 6 in. 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.

| 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 in. 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 in. 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 in. 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 in. 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 in. 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) | 0.028 (0.71) | 0.024 (0.61) | |

Replacement Spring for Hand Tools

5018 Fits All models on this page

Cast Steel Seamer & Tongs

Straight or Offset, for the way you work!

The Malco Seamer & Tongs line features generous throat depths and openings to handle a broad range of bending and seaming applications. Durable all-cast-steel construction with heavy-duty pivot point assures long service life. Comfortable vinyl cushioned grips facilitate easier one-hand operation.

- Comfortable vinyl cushioned grips.
- Durable cast steel construction with heavy-duty pivot point assures long service life.
- Generous 1-1/2 in. (38 mm) Throat Depth is versatile for a broad range of bending and seaming applications.



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

Straight Seamer & Tongs



S10



SG10

Vinyl-Gripped Jaws are non-marring.

Offset Seamer & Tongs



S11



SG11

Vinyl-Gripped Jaws are non-marring.

| 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) |

Mini-Brake® Compact & Portable

Make big or small fabrications on the job with this lightweight and portable tool! The versatile Mini Brake produces bends up to 135 degrees in sheet metals, including aluminum, copper and 22-gauge galvanized steel. The brake's compact size can accommodate sheet metal stock up to 4-feet wide, in any length, because there is no fixed throat depth to contend with.

Use the Mini Brake anywhere on the job site, even on a truck tailgate, for a variety of fabricating tasks from large HVAC transitions to narrow roof flashing to structures as small as a 4-inch square. Strengthening ribs on the brake's anvil and apron assure consistent bends. A safety conscious, cam-over style clamping mechanism, similar to much larger shop-floor brakes, keeps the anvil secure in any position. Optional legs are available separately.



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.

Makes bends to 135 degrees in galvanized sheet steel up to 22 gauge (0.86 mm)



MB48A



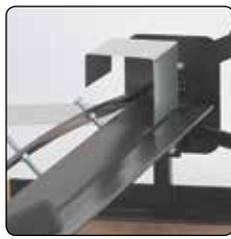
MBL
Optional Leg Kit
(Sold separately)



A 5/16 in. (7.9 mm) plate steel apron & adjustable strengthening ribs on anvil assure uniform bends across width of material.



Accommodates sheet metal up to 48 in. (1.2 m) wide in any length. There is no fixed throat depth to contend with.



Versatile bending range accommodates compact fabrications as small as a 4-in. (101.6 mm) square.



The Mini Brake also bends metal roofing components and roof flashing including copper and aluminum.



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.

| 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 | Aluminum 18 Ga. | Soft Copper 18 Ga. | Zinc 18 Ga. | 55% Al-Zn Mild Steel 22 Ga. | Stainless Steel 24 Gauge | Galvanized Steel 22 Gauge | Mild Steel 22 Gauge |
|------------|-------------|-----------------|--------------------|--------------|-----------------------------|--------------------------|---------------------------|---------------------|
| MB48A | inches (mm) | 0.040 (1.02) | 0.040 (1.02) | 0.040 (1.02) | 0.030 (0.76) | 0.024 (0.61) | 0.034 (0.86) | 0.030 (0.76) |

Pan Style MINI-BRAKE®

Goes wherever you need to work.

For fabricating shop-quality pans and boxes, on the job, the Malco 48 in. (1.2 m) "Pan Style" Mini-Brake quickly breaks down and goes to work with you!

Initial assembly requires only a few metric wrenches, and / or adjustables, plus one supplied hex wrench. The fully assembled MB48B "Pan-Style" Mini-Brake is designed to be portable. At just under 100 pounds (45 kg), it may be carried comfortably by two people, or quickly separated into anvil and table components for one-person transport.

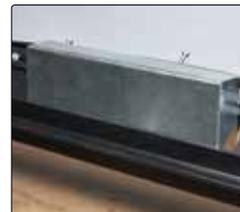
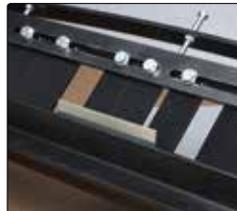


**Create bending widths from
2 to 48 (50.8 mm-1.2 m) inches!**



MB48B

Finger Plate Widths: • (5) 2 in., 50.8 mm • (6) 3 in., 76.2 mm • (5) 4 in., 101.6 mm



**When forming
pans and boxes,
remove & position
finger plates
as needed to
span widths.**

**MBL
Optional Leg Kit
(Sold separately)**



Choose a combination of fingers that will span the bending width as close as possible. Adding space between fingers, when arranging combinations to accommodate fractional or uneven numbered pan or box side-width dimensions, will still produce an accurate bend. The anvil's clearance allows for a range of pan or box side-height dimensions from 1/2-inch (12.7 mm) to a maximum of 3-inches (76.2 mm).

| Catalog Number | Description | Bend Angle | Max Bend Width | Min. Bend Width | Max Pan Height | Min. Pan Height | Min. Flange Net Wt. |
|------------------------------------|---|-----------------|--------------------|-----------------|-------------------------|-----------------------------|---------------------|
| MB48B | Mini-Brake | 0 - 135° | 48 in. (1.2 m) | 2 in. (50.8 mm) | 3 in. (76.2 mm) | .5 in. (12.7 mm) | 99 lbs. (44.9 kg) |
| Options / Replacement Parts | | | | | | | |
| MBL | Leg Kit | — | — | — | — | — | — |
| MB48B2 | Replacement Finger Plate for MB48B 2-in. (50.8 mm) | — | — | — | — | — | — |
| MB48B3 | Replacement Finger Plate for MB48B 3-in. (76.2 mm) | — | — | — | — | — | — |
| MB48B4 | Replacement Finger Plate for MB48B 4-in. (101.6 mm) | — | — | — | — | — | — |
| CAPACITIES | | | | | | | |
| | Material | Aluminum 18 Ga. | Soft Copper 18 Ga. | Zinc 18 Ga. | Galvanized Steel 22 Ga. | 55% Al-Zn Mild Steel 22 Ga. | |
| MB48B | inches (mm) | 0.040 (1.02) | 0.040 (1.02) | 0.040 (1.02) | 0.034 (0.86) | 0.030 (0.76) | |

Duct Stretchers

Straight / Offset / Locking

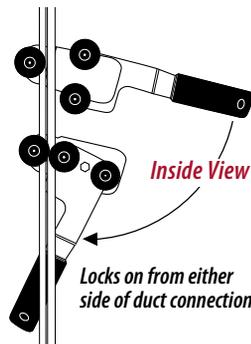
Use the Duct Stretcher to hold duct in place with one hand while slipping drive cleat in place with other hand. The low profile, straight body is designed to go anywhere, even in the tightest quarters. Additional spacing holes allow wheels to be adjusted to span greater distances. Rugged anodized aluminum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



Straight and Offset Duct Stretchers



Model DS2 has the same unique features as model DS1 plus the angled bend of an offset handle to eliminate knuckle contact with metal.



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.



Locking Duct Stretcher

Model 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.

| 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

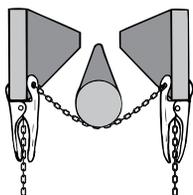
DS1C Replacement wheels, nuts and screws (2 each)

Pipe and Duct Holders

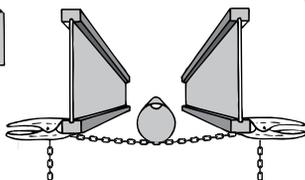
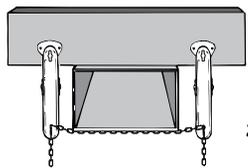
Holds Duct or Venting in place until properly secured.

Like an extra pair of hands, this job-site helper holds ductwork in place with clamps and a chain during installation until permanently secured. Temporarily suspending duct or venting from any joist is fast and easy. Double-ended keyhole also allows easy chain adjustment and locking in a horizontal clamping position, required for engineered joists, without the need to tie the chain around the clamp. Formed teeth hold the clamp securely in place on joist.

Double Ended Keyholes allow secure chain adjustment. Formed teeth hold clamp in place and secures chain in vertical or horizontal clamp position.



Holders also open wide and clamp securely for use on Engineered Wood Joists.



Holds duct in place, either between or under joists until properly secured.



CAUTION: 20 lbs (9 kg) Maximum Work Load
For use on Residential Lumber and / or Engineered I-Beam Construction Only.

| Catalog Number | Description | Chain Length ft. (M) |
|----------------|----------------------------|----------------------|
| 2DH | 1 pair of clamps and chain | 4 (1.22) |



3/16", 1/4" Square

5-1/2" O/A Length

5/16", 3/8" Square



3/16", 1/4" Square

6-7/8" O/A Length

1/2", 9/16" Hex



3/16", 1/4" Square

5-3/8" O/A Length

5/16", 3/8" Square



3/16 in. Hex Tip with 1/4-in. square shank.
2-3/16 in. O/A Length



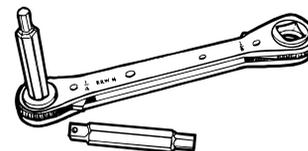
3/16 in. Hex Tip with 1/4-in. square shank.
2-3/16 in. O/A Length



5/16 in. Hex Tip with 1/4-in. square shank.
2-1/8 in. O/A Length

Refrigeration Ratchet Wrenches

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



5/16 and 3/16 in. Hex Key Wrench Inserts

These Hex Key Inserts, with 1/4 -inch square shanks, fit any Malco Refrigeration Wrench for easy ratcheting action when servicing hard-to-access valves in ACR condensing units.

* The RRW316C Hex Key Insert has a shorter 3/16-inch hex point which makes the 5/16 inch hex body also accessible as a hex key for many valve applications.

Refrigeration Ratchet Wrenches

| Catalog Number | Description | Square Shank Diameter in. | Hex Key Diameter in. | O/A Lgth. in. |
|----------------|------------------------------|---------------------------|----------------------|---------------|
| RRW4 | Refrigeration Ratchet Wrench | 1/4 | 1/2 & 9/16 | 6-7/8 |
| RRW3 | Refrigeration Ratchet Wrench | 3/16, 1/4, 5/16 & 3/8 | — | 5-1/2 |
| RRW5 | Refrigeration Ratchet Wrench | 3/16, 1/4, 5/16 & 3/8 | — | 5-3/8 |

5/16 and 3/16 in. Hex Key Wrench Inserts

| Catalog Number | Description | Square Shank Diameter in. | Tip Lgth. in. | Hex Key Diameter in. | O/A Lgth. in. |
|----------------|----------------------------------|---------------------------|---------------|----------------------|---------------|
| RRW516 | Hex Key Ratchet Wrench Insert | 1/4 | — | 5/16 | 2-1/8 |
| RRW316 | Hex Key Ratchet Wrench Insert | 1/4 | 3/4 | 3/16 | 2-3/16 |
| RRW316C* | Hex Key Ratchet Wrench Insert | 1/4 | 1/2 | 3/16 | 2-3/16 |
| RRW316 / 316C | Hex Key Ratchet Wrench Combo Kit | 1/4 | 3/4-1/2 | 3/16 | 2-3/16 |

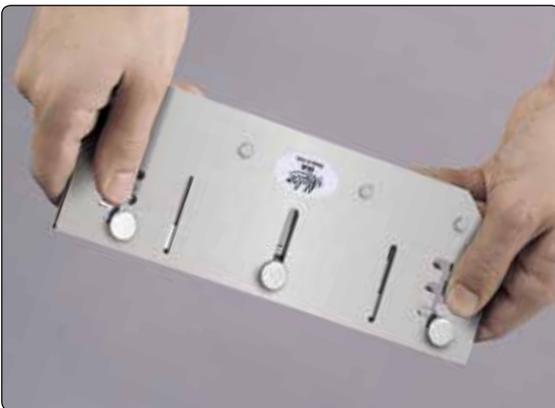
Hand Held Folding Tools



Adjustable Folding Tool

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

Model 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 in. (6.4 mm to 38.1 mm) folding depths in 1/4 in. (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 in. (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. The stainless steel construction assures long service life.

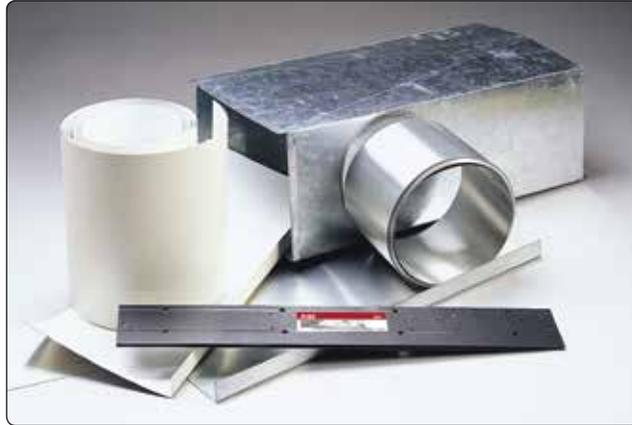


9A

Folds trim coil and aluminum siding. •
Folds galvanized sheet metal up to 26 gauge (0.56 mm).

Standard Folding Tools

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 in. (25.4 mm) folding depths with a 24-30 gauge capacity.

12F - 12 in. (30.5 cm) long tool is ideal for HVAC applications such as 3/8 in. (9.5 mm) folds for drive cleats and big 1 in. (25.4 mm) deep folds for joist panning, plenums, register boots, trunk line end caps and more.

12F

18F

Longer 18F - 18 in. (45.7 cm) tool assures a uniform fold.

24F

Extra long 24F - 24 in. (60.1 cm) tool may also be used as a mini brake by siding applicators.

| Catalog Number | Description | Folding Depths in. (mm) | Length in. (cm) | Net Wt. oz. (g) |
|----------------|-------------------------------|----------------------------|-----------------|-----------------|
| 12F | 12 in. Folding Tool | 3/8 (9.5), 1 (25.4) | 12 (30.5) | 20 (425) |
| 18F | 18 in. Folding Tool | 3/8 (9.5), 1 (25.4) | 18 (45.7) | 31 (879) |
| 24F | 24 in. Folding Tool | 3/8 (9.5), 1 (25.4) | 24 (60.1) | 42 (1191) |
| 9A | 9 in. Adjustable Folding Tool | 1/4 to 1-1/2 (6.4 to 38.1) | 9 (22.9) | 19 (539) |

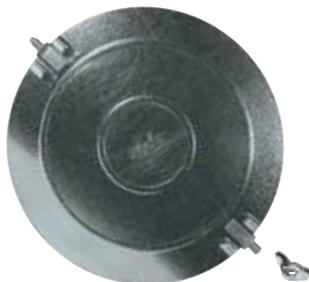
| CAPACITIES | Material | Mild Steel 24 Gauge |
|---------------|-------------|---------------------|
| Folding Tools | inches (mm) | 0.024 (0.61) |

Dampers

Hardware and Components



Malco 28 Gauge Dampers feature 1/4 in. (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



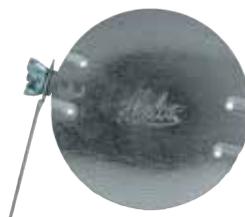
D7HT100



D6HT100



D6100



D4AST

Bulk Components



WN100
(100 pack) Wingnuts



H1100
(100 pack) Damper Handles

Damper Regulator Hardware

- Fast installing hammer-on design.
- For use on 30-24 gauge (0.41-0.71 mm) galvanized steel.
- Standard 5/16 in. (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:

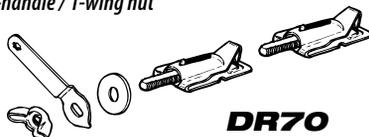
1-spring bearing / 1-inside washer /
1-handle / 1-wing nut



DR69

Double Bearing:

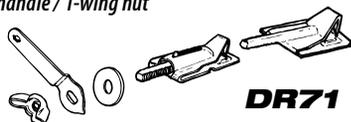
2-spring bearing / 1-inside washer /
1-handle / 1-wing nut



DR70

Double Bearing:

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



DR71

| 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 |



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

4IN1 Nut Driver



Look
for this
display!

4IN1

4
HEX SIZES

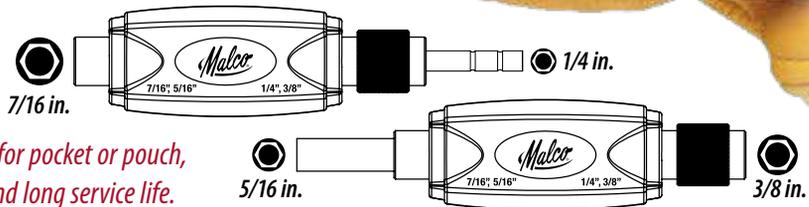
1/4, 5/16
3/8, 7/16 in.

A SOCKET in your POCKET

TELESCOPING DRIVER SHAFTS WITH
POSITIVE LOCK. TWO HEX OPENINGS
AT EACH END OF HANDLE.

3 POSITION COMBINATIONS

The versatile 4-in-1 Nut Driver is a handy tool, for pocket or pouch,
and offers superior performance, ease of use and long service life.



- Quick-release shafts, with a positive lock, remain secured in position when applying in-line pressure during use.
- Hardened chrome vanadium steel sockets offer sure fastener engagement and control.
- Comfortable 3-lobe handle is made of high-torque ABS plastic and features a non-slip TPR over-molded grip.



| Catalog Number | Description | Hex Sizes | Tool Length in. (mm) | Net Weight oz. (g) |
|----------------|-----------------|--------------------------|----------------------|--------------------|
| 4IN1 | 4IN1 Nut Driver | 1/4, 5/16, 3/8, 7/16 in. | 5-1/4 (133) | 7 (199) |

Ratcheting Handle and Professional Kits

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



CONNEXT3
Ratcheting Handle

A forward or reverse ratchet driving mechanism, as well as the locked driving position of the 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 most 1/4-inch hex shank power drive or insert bits 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 drivers are color coded for easy size recognition!

CONNEXT 4
9 piece kit



9 Piece Magnetic!

Hex Hand Driver Kit

Popular assortment of CONNEXT Handles and Magnetic Hex Chuck Driver Shafts.

CONNEXT 5
12 piece kit



12 Piece Magnetic!

Hex Hand Driver Kit

Deluxe assortment of CONNEXT Handles and Magnetic Hex Chuck Driver Shafts.

CONNEXT 6
8 piece kit



8 Piece Nut Driver Kit

Popular assortment of CONNEXT Handles and Hollow Hex Chuck Driver Shafts.

Kit includes:

- CONNEXT 1 Standard Handle
- CONNEXT 2 Stubby Handle
- CONNEXT 3 Ratcheting Handle
- MSH1/4 • MSH5/16 • MSHL1/4 • MSHL5/16
- MSHXL1/4 • MSHXL5/16



Kit includes:

- CONNEXT 1 Standard Handle
- CONNEXT 2 Stubby Handle
- CONNEXT 3 Ratcheting Handle
- MSH1/4 • MSH5/16 • MSH3/8 •
- MSHL1/4 • MSHL5/16 • MSHL3/8
- MSHXL1/4 • MSHXL5/16 • MSHXL3/8



Kit includes:

- CONNEXT 1 Standard Handle
- CONNEXT 3 Ratcheting Handle
- HD1 • HD2 • HD3
- HD4 • HD5 • HD6



Magnetic Hex & Hollow Nut Handles and Drivers

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

Magnetic Hex Hand Drivers with CONNEXT™ standard & 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 6-inch lengths.



Hollow Nut Drivers with CONNEXT™ standard handle

Hollow Hex Chuck Drivers with 1/4-inch power insert shanks are available in 3-inch and 6-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.

Size Recognition Color Key

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



Magnetic Hex Chuck Drivers



MSH1/4 MSH5/16 MSH3/8

MSHL1/4 MSHL5/16 MSHL3/8 MSHL7/16 MSHML1/4 MSHML5/16 MSHXL1/4 MSHXL5/16 MSHXL3/8



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



HD1 HD2 HD3 HD4 HD5 HD6

CONNEXT Quick Change Handles

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



CONNEXT 1 Standard Handle
CONNEXT 2 Stubby Handle
CONNEXT 3 Ratcheting Handle

Robertson® Style Square Head Chuck Drivers

- Fully hardened • Square tip will not cam out
- #1 and #2 drivers available in 1-3/4 in. and 2-1/2 in. lengths



SD1 SD2 SDX1 SDX2

1/4 in. Hex Shank Power Bits



MBSP2 MBLP2 MBLP3 MBLP4

Quick Change Hex Adapter

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



HAD1

Magnetic Bit Holder for 1/4 in. Hex Shank Insert Bits

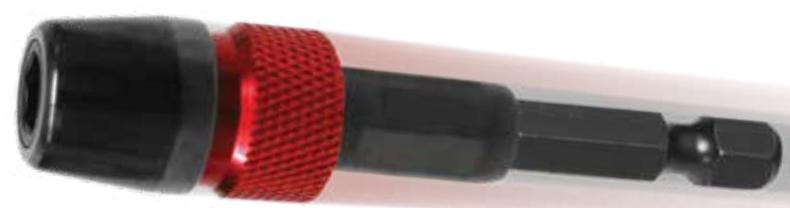


MBH14

IMPACT GRADE 4 sizes!

QUICK-CHANGE

EXTENSION BITS



SECURE FIT

A Fast and Easy Push-in Style Receiver, with 3 Ball Bearing Detents holds any 1/4 -inch hex shank power groove or insert bit securely. Retract the collar only when removing bit.



IMPACT GRADE

Impact Grade Steel Construction make these durable extensions versatile for use with any Impact Driver or Malco CONNEXT Handle!



BHE12
12 in. Length

BHE10
10 in. Length

BHE6
6 in. Length

BHE3
3 in. Length

Durable, One-Handed Quick Release!



Do not combine extension bits. Doing so can result in damage to the tool or injury to user.



Robertson® Style Square Head Chuck Drivers

| Catalog Number | Description | Point Size | Color | Shank Dia. in. | O/A Lgth. in. (mm) |
|----------------|--------------------|------------|-------|----------------|--------------------|
| SD1 | Square Head Driver | #1 | ● | 1/4 | 1-3/4 (45) |
| SD2 | Square Head Driver | #2 | ● | 1/4 | 1-3/4 (45) |
| SDX1 | Square Head Driver | #1 | ● | 1/4 | 2-1/2 (63) |
| SDX2 | Square Head Driver | #2 | ● | 1/4 | 2-1/2 (63) |

Power Bit Extensions

| Catalog Number | Description | Hex Opening in. | Shank Dia. in. | Nose Dia. in. | O/A Lgth. in. |
|----------------|----------------------|-----------------|----------------|---------------|---------------|
| BHE3 | 3 in. Extension Bit | 1/4 | 1/4 | 5/8 | 3 |
| BHE6 | 6 in. Extension Bit | 1/4 | 1/4 | 5/8 | 6 |
| BHE10 | 10 in. Extension Bit | 1/4 | 1/4 | 5/8 | 10 |
| BHE12 | 12 in. Extension Bit | 1/4 | 1/4 | 5/8 | 12 |

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 |

Specifications for previous page



1/4 in. 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 |

Magnetic 1/4 in. 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 |

Size Recognition Color Key

- Red — 1/4 in. Hex Opening
- Yellow — 5/16 in. Hex Opening
- Blue — 3/8 in. Hex Opening
- Brown — 7/16 in. 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. (mm) | Shaft Replacement # |
|----------------|----------------------------|-------------|-----------------|-----------------------|----------------------|--------------------|----------------------|----------------------------|--------------------|---------------------|
| CHD1 | Connext™ 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 | Connext™ 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 | Connext™ 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 | Connext™ 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 | Connext™ 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 | Connext™ 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 | Connext™ 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 | Connext™ 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 | Connext™ 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

| Catalog Number | Description | Color Coded | Reaction | Hex Opening 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 # |
|----------------|-------------------------------------|-------------|----------|----------------------|----------------------|--------------------|----------------------|----------------------------|--------------------|---------------------|
| HHD1S | Connext™ Standard Lgth. Hand Driver | ● | Magnetic | 1/4 | 1/4 (6) | 7/16 (11) | 11/16 (18) | 3 (76) | 7-1/8 (18) | MSHL14 |
| HHD2S | Connext™ Standard Lgth. Hand Driver | ● | Magnetic | 5/16 | 1/4 (6) | 1/2 (13) | 11/16 (18) | 3 (76) | 7-1/8 (18) | MSHL516 |
| HHD3S | Connext™ 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

| Catalog Number | Description | Color Coded | Reaction | Hex Opening 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 # |
|----------------|-----------------------------|-------------|----------|----------------------|----------------------|--------------------|----------------------|----------------------------|--------------------|---------------------|
| HHD1T | Connext™ Stubby Hand Driver | ● | Magnetic | 1/4 | 1/4 (6) | 7/16 (11) | 11/16 (18) | 2-1/4 (57) | 4-1/8 (10) | MSHT14 |
| HHD2T | Connext™ Stubby Hand Driver | ● | Magnetic | 5/16 | 1/4 (6) | 1/2 (13) | 11/16 (18) | 2-1/4 (57) | 4-1/8 (10) | MSHT516 |
| HHD3T | Connext™ Stubby Hand Driver | ● | Magnetic | 3/8 | 1/4 (6) | 9/16 (14) | 11/16 (18) | 2-1/4 (57) | 4-1/8 (10) | MSHT38 |

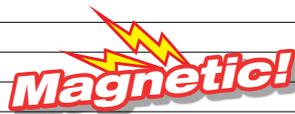
Short Magnetic Hex Chuck Drivers

| Catalog Number | Color Coded | Hex Opening in. | Insert Dia. in. (mm) | Nose Dia. in. (mm) | O/A Lgth. in. (mm) |
|----------------|---------------------|-----------------|----------------------|--------------------|--------------------|
| 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) |



Long Magnetic Hex Chuck Drivers

| Catalog Number | Color Coded | Hex Opening in. | Insert Dia. in. (mm) | Nose Dia. in. (mm) | O/A Lgth. in. (mm) |
|----------------|--------------------|-----------------|----------------------|--------------------|--------------------|
| 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) |



Extra Long Magnetic Hex Chuck Drivers

| Catalog Number | Color Coded | Hex Opening in. | Insert Dia. in. (mm) | Nose Dia. in. (mm) | O/A Lgth. in. (mm) |
|----------------|--------------------|-----------------|----------------------|--------------------|--------------------|
| MSHML14 | ● | 1/4 | 1/4 (6) | 7/16 (11) | 4 (102) |
| MSHXL14 | ● | 1/4 | 1/4 (6) | 7/16 (11) | 6 (152) |
| MSHXL14T | ● (Bulk Tub of 50) | 1/4 | 1/4 (6) | 7/16 (11) | 6 (152) |
| MSHML516 | ● | 5/16 | 1/4 (6) | 1/2 (13) | 4 (102) |
| MSHXL516 | ● | 5/16 | 1/4 (6) | 1/2 (13) | 6 (152) |
| MSHXL516T | ● (Bulk Tub of 50) | 5/16 | 1/4 (6) | 1/2 (13) | 6 (152) |
| MSHXL38 | ● | 3/8 | 1/4 (6) | 9/16 (14) | 6 (152) |



Hollow Hex Chuck Drivers

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



Quick-Change Handles

| Catalog Number | Description | Grip Dia. in. (mm) | Grip Lgth. in. (mm) | Holder Opening in. | Holder Dia. in. (mm) | Holder Lgth. in. (mm) | O/A Lgth. in. (cm) |
|----------------|---------------------------------------|--------------------|---------------------|--------------------|----------------------|-----------------------|--------------------|
| CONNEXT1 | Connex1™ 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 | Connex2™ 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) |



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) |



Cleanable, Reversible, Magnetic Hex Driver

This Double-Duty chuck driver with "Easy Clean Magnet," ensures that 1/4 in. & 5/16 in. hex drivers are always a flip away. With single piece strength, and an indestructible magnet, it's the Perfect System when paired with Legendary Malco Zip-in® and Bit-Tip® screws.

Our 2-EZ technology offers quick set-up, elimination of metal shavings and secure engagement with optimum Zip-in® and Bit-Tip® head height, to ensure that the hex washer head always seats flush without risk of damage to the driver magnet.



MSHC
U.S. Patent No. 9981366

**Trouble-Free
Cleanable Magnet**

**Less cost per
Hex Size!**

**The Perfect System for
Zip-in® and Bit Tip®!**
See Pages 12-15



Quickly Reversible



One-Piece Strength



Easily Remove Metal Shavings from Magnetic Tip



C-RHEX™ Cleanable, Reversible Magnetic Hex Driver

| Catalog Number | Description | Color Coded | Reaction | Hex Opening in. (mm) | Insert Dia. in. (mm) | Nose Dia. in. (mm) | O/A Length in. (cm) |
|----------------|----------------------------------|-------------|----------|-----------------------|----------------------|--------------------|---------------------|
| MSHC | Cleanable, Reversible Hex Driver | ● ● | Magnetic | Red 1/4 / Yellow 5/16 | 1/4 (6) | 1/2 (12.7) | 2 (5.1) |



MALCO BLUE

IMPACT-GRADE CHUCK DRIVERS

Impact Stress Resistant • Precise Machining for Fail-Proof Fastener Engagement



Magnetic Hex Chuck Drivers feature a spring-loaded, floating magnet that prevents breakage from impact driver stress or from higher-profile screw hex head screws that may seat directly on magnet.

Short Magnetic Hex Chuck Drivers

| Catalog Number | Color Coded | Hex Opening in. | HEX Insert in. (mm) | Nose Diameter in. (mm) | Overall Length in. (mm) |
|----------------|-------------|-----------------|---------------------|------------------------|-------------------------|
| MSH14I | Red | 1/4 | 1/4 (6) | 7/16 (11) | 2 (51) |
| MSH516I | Yellow | 5/16 | 1/4 (6) | 1/2 (13) | 2 (51) |
| MSH38I | Blue | 3/8 | 1/4 (6) | 9/16 (14) | 2 (51) |

Long Magnetic Hex Chuck Drivers

| MSHL14I | MSHL516I | MSHL38I | MSHL716I |
|-------------|-------------|-------------|-------------|
| Red | Yellow | Blue | Grey |
| 1/4 | 5/16 | 3/8 | 7/16 |
| 1/4 (6) | 1/4 (6) | 1/4 (6) | 1/4 (6) |
| 7/16 (11) | 1/2 (13) | 9/16 (14) | 11/16 (18) |
| 2-9/16 (65) | 2-9/16 (65) | 2-9/16 (65) | 2-9/16 (65) |

Extra Long Magnetic Hex Chuck Drivers

| MSHML14I | MSHML516I | MSHXL14I | MSHXL516I | MSHXL38I |
|-----------|-----------|-----------|-----------|-----------|
| Red | Yellow | Red | Yellow | Blue |
| 1/4 | 5/16 | 1/4 | 5/16 | 3/8 |
| 1/4 (6) | 1/4 (6) | 1/4 (6) | 1/4 (6) | 1/4 (6) |
| 7/16 (11) | 1/2 (13) | 7/16 (11) | 1/2 (13) | 9/16 (14) |
| 4 (102) | 4 (102) | 6 (152) | 6 (152) | 6 (152) |

Star, Phillips and Square bit selections feature unique high-torque steel construction and a design that absorbs and dissipates impact-driver-induced stress at peak loads.

Square Insert Bits

| Catalog Number | Point Size | HEX Insert in. (mm) | Overall Length in. (mm) |
|----------------|------------|---------------------|-------------------------|
| SD1IP | #1 | 1/4 (6) | 1 (25) |
| SD2IP | #2 | 1/4 (6) | 1 (25) |

Square Power Bits

| | | | |
|--------|----|---------|--------|
| SD1XIP | #1 | 1/4 (6) | 2 (51) |
| SD2XIP | #2 | 1/4 (6) | 2 (51) |

Phillips Insert Bits

| | | | |
|-------|----|---------|--------|
| PH2IP | #2 | 1/4 (6) | 1 (25) |
| PH3IP | #3 | 1/4 (6) | 1 (25) |

Phillips Power Bits

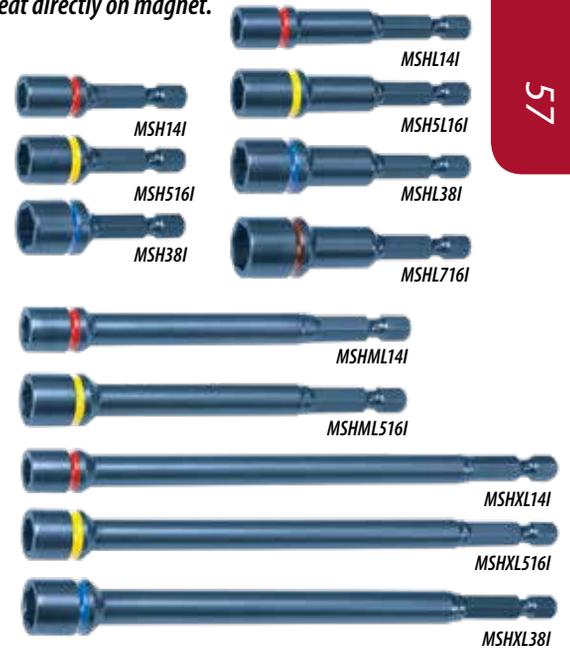
| | | | |
|--------|----|---------|--------|
| PH2XIP | #2 | 1/4 (6) | 2 (51) |
| PH3XIP | #3 | 1/4 (6) | 2 (51) |

Star Insert Bits

| | | | |
|--------|-----|---------|--------|
| TX10IP | T10 | 1/4 (6) | 1 (25) |
| TX15IP | T15 | 1/4 (6) | 1 (25) |
| TX20IP | T20 | 1/4 (6) | 1 (25) |
| TX25IP | T25 | 1/4 (6) | 1 (25) |
| TX27IP | T27 | 1/4 (6) | 1 (25) |
| TX30IP | T30 | 1/4 (6) | 1 (25) |

Star Power Bits

| | | | |
|---------|-----|---------|--------|
| TX10XIP | T10 | 1/4 (6) | 2 (51) |
| TX15XIP | T15 | 1/4 (6) | 2 (51) |
| TX20XIP | T20 | 1/4 (6) | 2 (51) |
| TX25XIP | T25 | 1/4 (6) | 2 (51) |
| TX27XIP | T27 | 1/4 (6) | 2 (51) |
| TX30XIP | T30 | 1/4 (6) | 2 (51) |



6 in 1 Reversible Driver



Combination bits change to drive 6 different head styles or sizes. 1/4 & 5/16 in. Hex opening nut driver with 3/16 & 9/32 in. slotted head bit and #1 & #2 phillips head bit.

Shank firmly locks into handle barrel. Driver bits are individual protected with black oxide. Shank is chrome plated to protect against rust.



Durable Black Oxide Handle

1/4 in. Hex opening

5/16 in. Hex opening

#2 Phillips

9/32 in. Slotted Head

#1 Phillips

3/16 in. Slotted Head

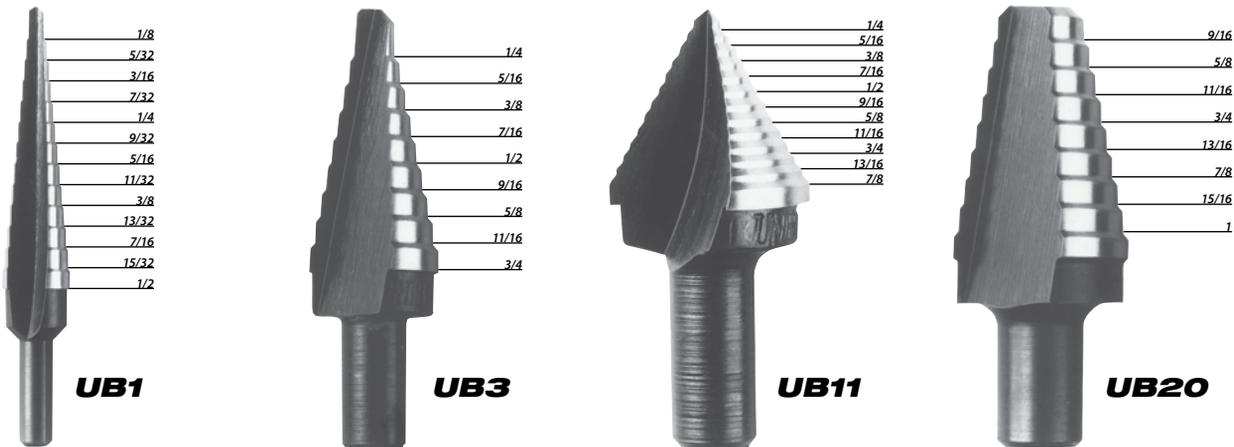
RD6

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

Step Drills

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

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. *(Note: All sizes listed in inches).*



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

Adjustable Sheet Metal Scribe



A60



Measure, mark and scribe trim lines on sheet metal in one easy operation. Set desired trim depth on the 1/8 in. (3.2 mm) graduated scribe extension and tighten knob. The stop at the end of the scribe sleeve glides along edge of work as a 6 x 3/8 in. sheet metal screw point scribes a clean, hard line. Adjustable from 1/4 to 12-1/2 in. (6.4 to 318 mm) depths. Rotate the scribe extension and knob end to end for depths larger than 6-1/2 in. (165 mm). Includes two extra Zip-ins in handle for points.

Carbide Tipped Scribe

Carbide Tipped Scribe Always a Sharp Point.



A50



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.

Fast Adjusting Scribes



#24

#18

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

Pocket Sized Sheet Metal Scribe



A40

Scribe commonplace trim lines on galvanized sheet metal quickly and accurately. Ten pre-set scribing depths from 1/8 to 1 in. (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.

Expandable Trammel Points

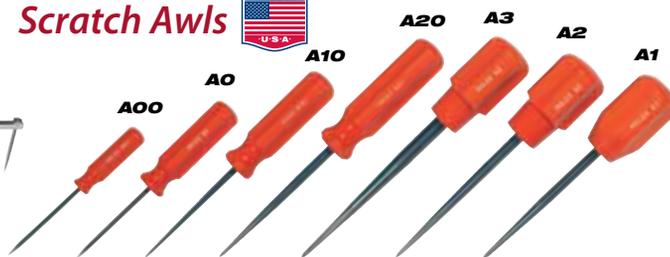


TR18

TR42

Two sizes handle a variety of layout applications. The TR42 expands to a big 42 in. (107 cm) radius (84 in. diameter). The compact TR18 expands to 18 in. (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.

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.

| 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 Scribe | — | — | — | 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 (81 cm) | — | — | — | — | 11 (28) | 7 (199) | RP2 / 10018 |
| #24 | Divider Max. diameter circle 42 (107 cm) | — | — | — | — | 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 | 5/16 (7.9) | 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

Sheet Metal Hammers

One-Piece Steel



SH3
18 oz. (510 g.)

Leather Grippped Setting Hammer

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

Most Popular!

Easily the most popular choice of sheet metal professionals worldwide, the Malco SH3 setting hammers leather grip conforms a permanent bond between the users hand for ultimate comfort and ease of use.

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.

Leather Grippped Riveting Hammer

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



RH4
12 oz. (340 g.)



Vinyl Grippped Riveting Hammer

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



RH4V
12 oz. (340 g.)

Vinyl Grippped Setting Hammer

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



SH3V
18 oz. (510 g.)

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

Dead Blow Hammer

Non-Marring • Non-Sparking • Non-Recoiling

One-piece construction of weather-resistant urethane compound ensures long service life. Excellent for working copper, other soft metals and auto body panels. Steel shot inside head absorbs impact to prevent recoil. Flanged handle butt provides a more secure grip.



DB1
16 oz. (454 g.)

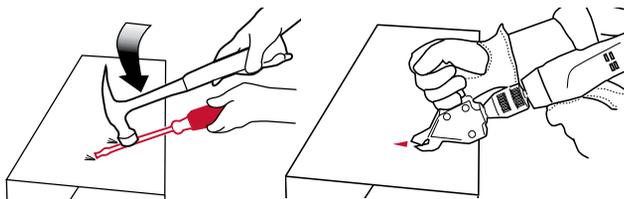
One piece construction of weather resistant, urethane compound ensures long service life.

- 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.

Duct Ripper

Perfect companion tool to our TS1 metal cutting TurboShear!

Specially angled ground tip easily punctures and rips duct to the desired length starting hole. 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. Corrosion resistant blade, cushioned grip and a hang hole for storage complete this handy tool.



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.

| 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) | — | 16 (454) |

Punch Lock Metal Stud Crimper



Enlarged Crimp Connection

Secures any width Stud and Runner without screws or other fasteners. • Powerful compound leverage design • Unique Punch and Die are easily replaceable • Maximum capacity 22 gauge stud and runner.

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

The PL1R Metal Stud Crimper features a unique punch and die shape that creates a rectangular crimp connection by bending over layered thicknesses of channel and stud at one time to form a sturdy bond without the use of fasteners. The crimp is always the proper strength and resists stress from any angle. The tool fits inside the smallest stud and runner. Handles spring back after making a crimp so that punch is 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 with ease. The tool body consists of a strong, die-cast aluminum "C" frame head and rust-resistant, nickel plated steel handles and parts stampings. The long-life punch and die are formed from tool steel and are also easily replaced on the job.

The Malco PL1R Stud Crimper also features ergonomic RedLine Handle technology. An Engineered handle opening compliments the natural power stroke of any user's hand and maximizes the powerful 7:1 mechanical advantage of compound-leverage head to handle linkage. Comfortable handle grip contours, a non-slip grip insert, spring handle actuation and a thumb operated handle latch ensure a natural fit and feel for comfortable one hand operation anywhere on the job.



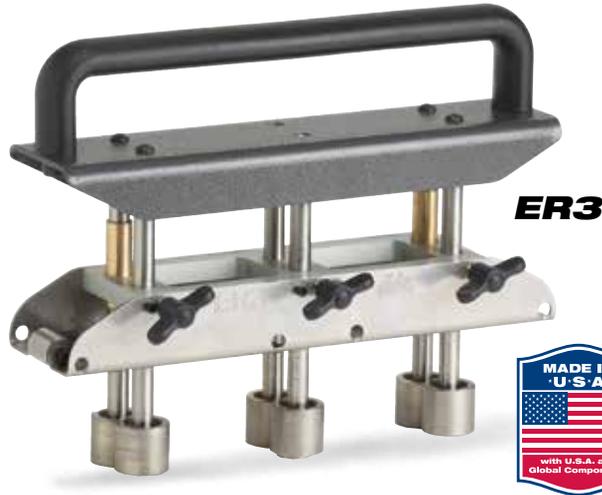
| Catalog Number | Description | Throat Depth in. (mm) | Net Wt. oz. (g) |
|-------------------|---------------------------|----------------------------------|--------------------|
| PL1R | Punch Lock / Stud Crimper | 1-1/2 (38.1) | 16 (454) |
| CAPACITIES | Material | Galvanized Steel 22 Gauge | |
| PL1R | inches (mm) | 0.034 (0.86) | |

Replacement Parts

| | |
|------|---------------------------|
| PLD1 | Replacement Punch and Die |
|------|---------------------------|

3-Station Edge Roller

Assures a uniform bend along the entire length of material



ER3



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.



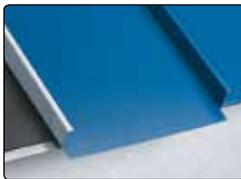
Also adjusts for making curved bends. The center roller station is independently adjustable, with the outer roller stations retracted and locked, to allow for bending on a slight curve.

Quickly adjusts for making 5/8 to 4 in. (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.

High Leverage Drip Edge Folding Tools

For quick bends in standing seam metal roofing panels



Two models: 18-inch and improved 24-inch, match up with most flat-pan, standing seam panel widths.

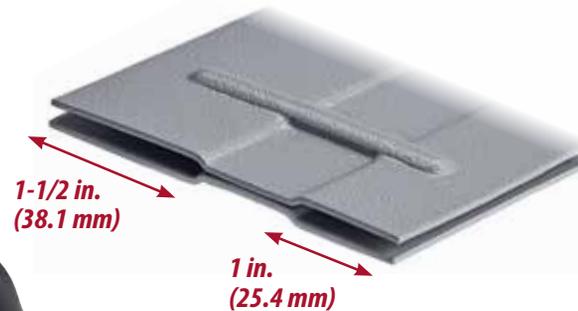
A two-post-design, fiberglass reinforced nylon handle, makes bending maximum 22-ga. (0.76 mm) roofing metal easy, even when working overhead.



DEFT



DEFT1



Two rib-reinforced steel plates are permanently welded together to create strong folding seams for making 1-inch (25.4 mm) and 1-1/2-inch (38.1 mm) bends.

| Catalog Number | Description | Bending Depth in. (mm) | Net Wt. lbs. (kg) | Catalog Number | Description | Bending Depth in. (mm) | Length in. (cm) | Weight lbs. (kg) |
|-------------------|-----------------------|------------------------|---------------------------|----------------|-------------------------------|-------------------------|-----------------|------------------|
| ER3 | 3-Station Edge Roller | 5/8 - 4 (15.9-102) | 8.5 (3.86) | DEFT | 24 in. Drip Edge Folding Tool | 1.5 (38.1) and 1 (25.4) | 24 (61) | 3.60 (1.63) |
| CAPACITIES | | Material | Mild Steel 24 Gauge | DEFT1 | 18 in. Drip Edge Folding Tool | 1.5 (38.1) and 1 (25.4) | 18 (46) | 3.24 (1.47) |
| | | inches (mm) | .029 - 0.22 (0.36 - 0.76) | | | | | |



Compound Leverage Channel Shears



SRC24A



SRC24A

features a single installed die assembly with 3 channel sizes for cutting 1-5/8, 2-1/2 and 3-5/8 in. (41, 64, 92 mm) studs and matching runners.



SRC24A1 EV

features an installed die with 3 channel sizes for cutting 50, 70 and 92 mm studs and matching runners and an *Extra Die* for cutting 45, 64 and 95 mm studs and matching runners.



SRC24A2 SV

features an installed die with 3 channel sizes for cutting 51, 76 and 92 mm studs and matching runners and an *Extra Die* for cutting 45, 64 and 95 mm studs and matching runners.

Malco Channel Shears cut through metal studs and runners faster and more economically than any other tool on the market!



Malco Channel Shears complete cuts 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 in. (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. Shears feature rugged all steel and bolt construction. Handle has comfortable red vinyl grips.

| Catalog Number | Description | Variable Leverage Ratio (High / Low) throughout stroke | Stud & Runner Size Installed | Stud & Runner Size Included | Height in. (cm) | Length in. (cm) | Depth in. (cm) | Net Wt. lbs. (kg) |
|-------------------|---------------------------------|--|---------------------------------|-----------------------------|-----------------|-----------------|----------------|-------------------|
| SRC24A | Compound Leverage Channel Shear | Shear Action (Punch) | 1-5/8, 2-1/2, 3-5/8 in. | — | 8 (20) | 36 (91) | 6 (15) | 23 (10.43) |
| SRC24A1 EV | Compound Leverage Channel Shear | Shear Action (Punch) | 50, 70, 92 mm | 45, 64, 95 mm | 8 (20) | 36 (91) | 6 (15) | 23 (10.43) |
| SRC24A2 SV | Compound Leverage Channel Shear | Shear Action (Punch) | 51, 76, 92 mm | 45, 64, 95 mm | 8 (20) | 36 (91) | 6 (15) | 23 (10.43) |
| CAPACITIES | Material | Galvanized Steel 20 Gauge | Galvanized Mild 20 Gauge | | | | | |
| SRC24A | inches (mm) | 0.040 in. (1.02 mm) | 0.036 in. (0.91 mm) | | | | | |
| SRC24A1 EV | inches (mm) | 0.040 in. (1.02 mm) | 0.036 in. (0.91 mm) | | | | | |
| SRC24A2 SV | inches (mm) | 0.040 in. (1.02 mm) | 0.036 in. (0.91 mm) | | | | | |

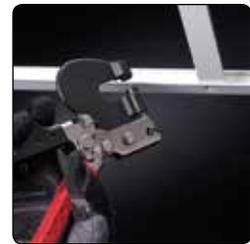
Replacement Blade (All 3 models)

10627 Field Replaceable: One replacement blade and two spacers.

1/8 in. (3.2 mm) Ceiling Grid Punch

Malco's unique Ceiling Grid Punch makes a clean 1/8 in. (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 in. (25.4 and 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.



Work overhead and in tight corners!



1/8 - 3/16 in. (3.2 - 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 in. (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.



Compound Handle Leverage for maximum ease of operation.



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

| 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 | 9.5 (241) | 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 in. (3.2 mm) Replacement Punch Only (Die is part of frame) for CGPR

HPD18 1/8 in. Replacement Punch & Die Kit for HP18KR

HPD316 3/16 in. 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

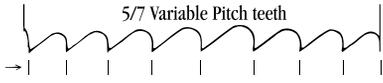
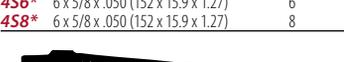
HPD63M 6.3 mm Replacement Punch & Die Kit

Reciprocating Saw Blades

Wood, Plaster, Metal & General Purpose

Reciprocating Saw Blades with BiMetal by Malco®

Reciprocating Saw Blades with BiMetal, 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 shatter proof blades are formulated from a premium metal composition consisting of a High Speed Steel cutting edge micro welded to a flexible High Carbon 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 in. (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 |
|---|-------------------------------------|--------------------------|-----------|------------------------|--------------|--|
| 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. <i>*Blades available in standard 5 packs except where noted.</i> |
|  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. |
|  8PWB | 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. 8PWB 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. |

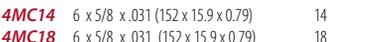


Selecting the right blade for the job is critically important. Factors that should be considered are:

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 for Metal, Wood, Plaster and General Purpose



| 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 in. (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 in. (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 in. (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 in. (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 in. (3.2 mm) metals. |
| METAL CUTTING HCS (High Carbon Steel) | | | | | | |
|  8CG* | 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 in. (4.8 mm). |
|  8PAP | 8 x 3/4 x .051 (203 x 19.1 x 1.30) | Progressive | 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. |

Snap Lock Punch

Ideal for crimping gutter end caps in place.



SL2R
Not recommended for heavy sheet metal.



Slide adjustment for throat depth allows settings from 1/4 to 5/8 in. (6 to 16 mm) depth. Easy one-hand operation. Ideal for crimping gutter end caps in place. Also creates locking tabs in light sheet metals for joining metal sheets or inserting into rolled edge of utility trim. Formed metal cutting jaws and handles are made of hardened stampings. Rust resistant nickel plate and black oxide finishes ensure long service life.

5 Blade Crimper

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

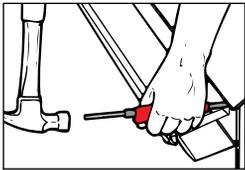


C4R

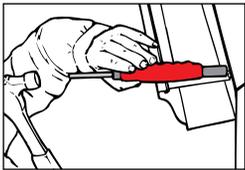


Use the Malco C4R Crimper to produce a crimp that downsizes corners of aluminum or steel downspout to create a male connection for joining downspout sections. The five blades of this versatile job-site hand tool produce a 1-1/4 inch (31.75 mm) long double crimp without deforming the downspout wall. This factory-like crimp ensures that the downspout wall stays square for a tight fitting, leak-proof connection. The connection is also more self-supporting during installation. A handle closing stop maintains a consistent crimp profile. Hardened all-steel construction and a nickel chrome finish ensure long service life.

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.

Single Crimper



SC2



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

| 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 | Single Crimper | 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

Extra-Long 6 in. Magnetic Screw Guide

GSG6 6 in. (152 mm)

- Impact Grade 6-inch long Power Drive with 4-1/2 inch Anodized Aluminum Sleeve provides extra reach without marring gutter.
- Holds and guides 1/4-inch Hex Head Screws up to 3-3/4 inches long.
- Easily works overhead.



Hardened steel 1/4 inch power groove hex shank works with drill or impact driver.

Aluminum sleeve guide ensures support for fast, accurate screw starts and stabilizes long screws during installation even at angles.

Magnetic!

Spring loaded magnet keeps hex head screw engaged and withstands repetitive shock from impact driver!



| Catalog Number | Description | Driver Length in. (mm) | Hex Shank In. | Magnetic Hex Opening In. | Length Of Sleeve Guide in. (mm) | Weight oz. (g) |
|----------------|--------------------|------------------------|---------------|--------------------------|---------------------------------|----------------|
| GSG6 | Gutter Screw Guide | 6 (152) | 1/4 | 1/4 | 4-1/2 (114) | 3.60 (102) |



QUICK ACTION™

Gutter Outlet Saws

with 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!



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)



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.

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 Punch

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 3 x 4-in. (76 x 102 mm) X-Style Punch and Die.



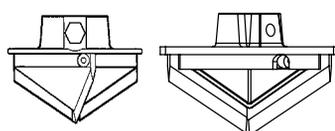
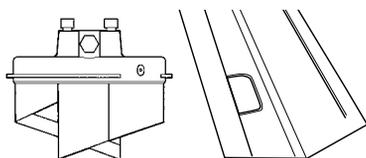
GOT

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

finishes on both the tool frame and all punch and die assemblies ensure long service life. Fastener holes are provided in the tool base for bench-mount operation.



- Ejector built into Tool Frame safely removes metal slug from rectangular cuts.
- Punch blades are easily replaceable.
- Extra holes in base of Tool Frame allow for secure bench-mount operation.



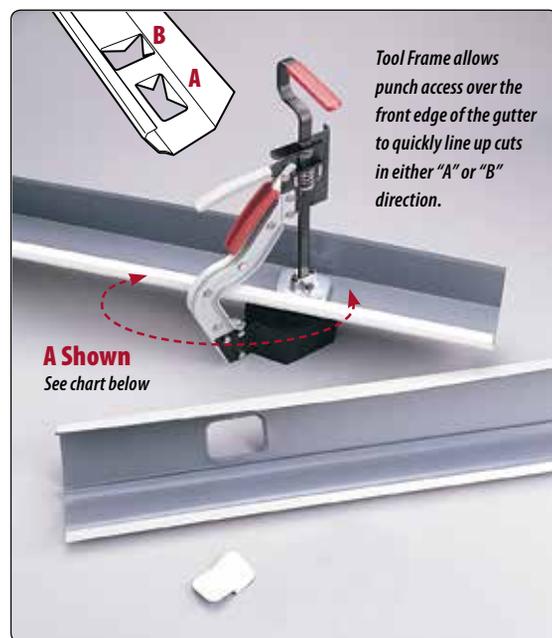
GOP23XUK

GOP34XUK

GOP23UK

GOP34UK

GOP23LUK - Oversized:
2.2 x 3.2 in. (56 x 81 mm)



Tool Frame allows punch access over the front edge of the gutter to quickly line up cuts in either "A" or "B" direction.

A Shown
See chart below

| 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

| | | | |
|-----------------|--|---|-------------|
| GOP23LUK | 2.2 x 3.2 in. (56 x 81 mm) OVERSIZE Rectangular Hole Punch and Die Assy - Upgrade Kit | — | 2.20 (1.00) |
| GOP23UK | 2 x 3 in. (51 x 76 mm) Standard Rectangular Hole Punch and Die Assy - Upgrade Kit | — | 2.20 (1.00) |
| GOP34UK | 3 x 4 in. (76 x 102 mm) Standard Rectangular Hole Punch and Die Assy - Upgrade Kit | — | 2.50 (1.13) |
| GOP23XUK | 2 x 3 in. (51 x 76 mm) X-Style Punch and Die Assy - Upgrade Kit | — | 1.90 (0.86) |
| GOP34XUK | 3 x 4 in. (76 x 102 mm) X-Style 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 Size Reference:

Following Gutter Sizes Do Not Fit "B" Direction:

4K Gutter - 2 x 3, 2 x 3 X-Style, 3 x 4, 3 x 4 X-Style

5K Gutter - 3 x 4, 3 x 4 X-Style

6K Gutter - 3 x 4, 3 x 4 X-Style

Blind Rivets

Steel, Aluminum, Stainless, Copper, Painted & Washers

Malco Blind Rivets provide a strong, secure connection between 2 or more sheets of material, that will not loosen with vibration. Blind rivet fasteners can be used where access is limited to only one side of the material to be fastened. Rivets require only a pre-drilled or pre-punched hole. The blind rivet is an assembly, consisting of a mandrel and an eyelet body. Mandrels are used only to set the rivet body and are then discarded. Mandrel is designed to break-off at the crimp after pulling (setting) the rivet body. No operator skill is required to set blind rivets. Low rivet profile offers cosmetic advantages over screws.



Note: Package sizes available in Bults, Tubs (T), Boxes (X) and Bags (G).

Painted Rivets



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

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

Shear and Tensile Strengths



| Rivet / Mandrel | Rivet Dia. | Minimum Shear | Tensile lbs. |
|-------------------|------------|---------------|--------------|
| Steel Rivet | 1/8 in. | 260 | 310 |
| Steel Mandrel | 3/16 in. | 540 | 680 |
| Aluminum Rivet | 1/8 in. | 120 | 150 |
| Aluminum Mandrel | 3/16 in. | 260 | 320 |
| Stainless Rivet | 1/8 in. | 420 | 530 |
| Stainless Mandrel | 3/16 in. | 950 | 1200 |

Copper Rivet Steel Mandrel 1/8 in.

IFI 114 2003 (R2008) Grade 20

* 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 | .125 - .135 / #30 | 1/8 in. | .232 | .125 | .25 | .032 | .063-.125 |
| SS43D | Steel Rivet Plated Steel Mandrel | .125 - .135 / #30 | 1/8 in. | .294 | .125 | .25 | .032 | .126-.187 |
| SS44D | Steel Rivet Plated Steel Mandrel | .125 - .135 / #30 | 1/8 in. | .357 | .125 | .25 | .032 | .188-.250 |
| SS46D | Steel Rivet Plated Steel Mandrel | .125 - .135 / #30 | 1/8 in. | .481 | .125 | .25 | .032 | .313-.375 |
| AA42D | Aluminum Rivet Aluminum Mandrel | .125 - .135 / #30 | 1/8 in. | .232 | .125 | .25 | .032 | .063-.125 |
| AA44D | Aluminum Rivet Aluminum Mandrel | .125 - .135 / #30 | 1/8 in. | .357 | .125 | .25 | .032 | .188-.25 |
| AA42DW * | ○ Aluminum Rivet Aluminum Mandrel (White) | .232 / Drill #30 | 1/8 in. | .125 | .25 | .032 | .063-.125 | — |
| AA44DW * | ○ Aluminum Rivet Aluminum Mandrel (White) | .125 - .135 / #30 | 1/8 in. | .125 | .25 | .032 | .188-.250 | — |
| SS/SS42D | Stainless Rivet Stainless Mandrel | .125 - .135 / #30 | 1/8 in. | .232 | .125 | .25 | .032 | .063-.125 |
| SS/SS44D | Stainless Rivet Stainless Mandrel | .125 - .135 / #30 | 1/8 in. | .357 | .125 | .25 | .032 | .188-.25 |
| SS/SS46D | Stainless Rivet Stainless Mandrel | .125 - .135 / #30 | 1/8 in. | .481 | .125 | .25 | .032 | .313-.375 |
| SS/SS48D | Stainless Rivet Stainless Mandrel | .125 - .135 / #30 | 1/8 in. | .606 | .125 | .25 | .032 | .376-.500 |
| CS42D | Copper Rivet Plated Steel Mandrel | .125 - .135 / #30 | 1/8 in. | .232 | .125 | .25 | .032 | .063-.125 |
| CS44D | Copper Rivet Plated Steel Mandrel | .125 - .135 / #30 | 1/8 in. | .357 | .125 | .25 | .032 | .188-.25 |

2-in-1 Hand Riveter

2IN1

One hand operation with normal squeezing action provides enough pulling power to set all popular size rivets. 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 in., included with tool. Nosepieces are stored in handle. Heavy duty all steel construction insures long life and minimum wear. Polished finish, nickel-chrome plated. Red vinyl cushion grip and hand stop.



Economy Hand Riveter

CR18

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 and 3/16 in. store in handle. Ideally suited for blind riveting applications in aluminum windows, gutter and downspout. Not for use with 5/32 in. or 3/16 in. 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. Rugged steel construction with black paint finish and comfortable vinyl grip. Secure handle latch makes this tool easy to fit in pouch or pocket.



Metal Cutting Saw Blade

Cool Clean Cuts in metal roofing & metal building panels



Standing Seam Metal Roofing



MCCB7



Metal Building Panels

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.

| Catalog Number | Description | Capacities in. (mm) | Length in. (mm) | Net Wt. oz. (g) |
|----------------|----------------------|---|-----------------|-----------------|
| 2IN1 | 2-in-1 Hand Riveter | 1/8 thru- 3/16 (3.18 - 4.8) steel mandrel / 1/8 thru- 5/32 (3.18 - 4.0) stainless steel mandrel | 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 in. nosepiece |
| ER45 | 1/8 in. nosepiece |
| ER46 | 5/32 in. nosepiece |
| HR37 | Adjustment Rod assembly |

| Catalog Number | Description | Diameter in. (mm) | RPM | Teeth | Capacity in Mild Steel gauge (mm) | Arbor in. (mm) |
|----------------|-------------------------|-------------------|------|-------|-----------------------------------|----------------|
| MCCB7 | Metal Cutting Saw Blade | 7-1/4 (184) | 5800 | 56 | 16 (1.52) | 5/8 (16) |

Drill Sets



FJ60S
60 Piece
Jobber Drill Set
Wire Gauge 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 61 to 80.

New!

There's an easier
way to remove
**stubborn
screws.**



SEK1

10 Piece Screw
Extractor Kit



- Kit contains 10 pieces total, including: 5 straight-fluted, extra-bite, hardened alloy steel extractors (Sizes #1-5) and 5 matched left-handed cobalt drill bits: 5/64, 7/64, 5/32, 1/4 and 19/64 inch.
- Use for screw and bolt diameters of 1/4 inch (M3) to 5/8 inch (M15).

Individual replacement parts sold separately:

SE1: #1 Extr. & 5/64-inch Cobalt Drill Bit • SE2: #2 Extr. & 7/64-inch Cobalt Drill Bit
SE3: #3 Extr. & 5/32-inch Cobalt Drill Bit • SE4: #4 Extr. & 1/4-inch Cobalt Drill Bit
SE5: #5 Extr. & 19/64-inch Cobalt Drill Bit



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!

| Catalog Number | Description | Set Contents | Capacity | Length in. |
|----------------|--------------------------------|---|-----------------|------------|
| SEK1 | 10 Piece Screw Extractor Kit | 5 straight fluted, hardened alloy steel extractors (sizes #1-5) & 5 matched left-handed cobalt drill bits. (sizes above) | — | — |
| 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 61-80 | 2.25 |

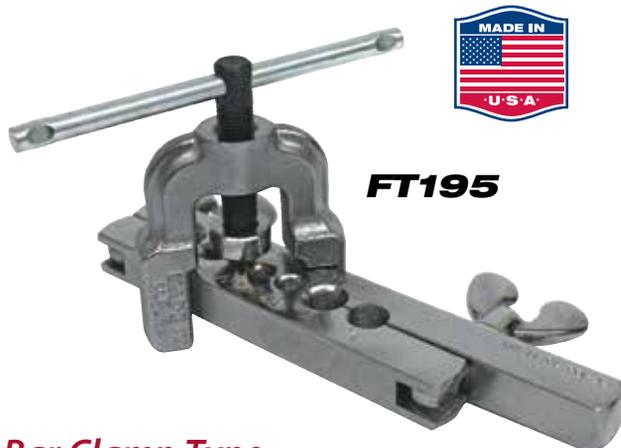
Sheet Metal Drills (Fractional Sizes)

| | | Decimal Equivalent | Length in. | Length of twist | Package Size |
|--------|----------------------------------|--------------------|------------|-----------------|--------------|
| PFS1/8 | Sheet Metal Drill Bit (Polished) | .1250 | 1-7/8 | 1/2 | 12 |
| PFS30 | Sheet Metal Drill Bit (Polished) | .1285 | 1-15/16 | 1/2 | 12 |
| PFS1/4 | Sheet Metal Drill Bit (Polished) | .2500 | 2-1/2 | 1/2 | 12 |

Double Ender Sheet Metal Drills

| | | Decimal Equivalent | Length in. | Length of twist | Package Size |
|--------|--|--------------------|------------|-----------------|--------------|
| DE1/8 | Double Ender Sheet Metal Drill Bit (Polished) | .1250 | 2 | 1/2 | 12 |
| DE1/8B | Bulk Pack Double Ender Sheet Metal Drill Bits (Polished) | .1250 | 2 | 1/2 | 144 |
| DE30 | Double Ender Sheet Metal Drill Bit (Polished) | .1285 | 2 | 1/2 | 12 |
| DE30B | Bulk Pack Double Ender Sheet Metal Drill Bits (Polished) | .1285 | 2 | 1/2 | 144 |
| DE9/64 | Double Ender Sheet Metal Drill Bit (Polished) | .1406 | 1-15/16 | 1/2 | 12 |
| DE3/16 | Double Ender Sheet Metal Drill Bit (Polished) | .1875 | 2-3/16 | 1/2 | 12 |
| DE1/4 | Double Ender Sheet Metal Drill Bit (Polished) | .2500 | 2-1/2 | 1/2 | 12 |
| NDE1/8 | Double Ender Sheet Metal Drill Bit (Black Nitrided) | .1250 | 2 | 1/2 | 12 |
| NDE30 | Double Ender Sheet Metal Drill Bit (Black Nitrided) | .1285 | 2 | 1/2 | 12 |

Flaring Tool



FT195

Bar Clamp Type Flaring Tool

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.

De-burring Tool



R308

Pocket Size, swivel reamer

Pocket size reamer deburrs nominal 1/4 in. (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 in. (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.

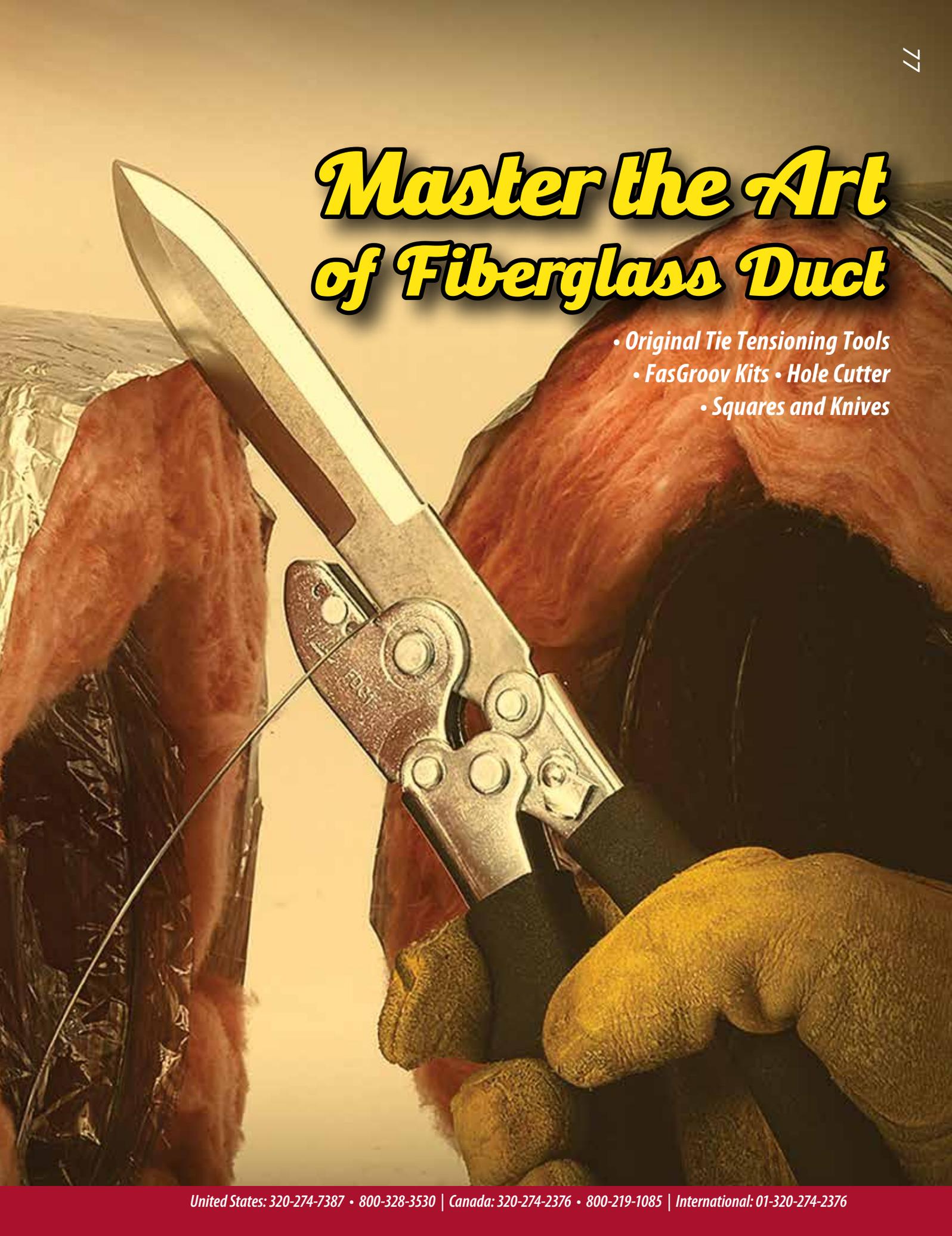
| Catalog Number | Description | Tubing Outside Diameter in. (mm) | Nominal Sizes in. | Diameter in. (mm) | Length in. (mm) | Net Wt. oz. (g) |
|----------------|-----------------------------|---|--------------------|-------------------|-----------------|-----------------|
| FT195 | Bar Clamp Type Flaring 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) |

Fiberglass Duct Essentials

**Fiberglass Duct Fabrication
has never been easier**

Master the Art of Fiberglass Duct

- Original Tie Tensioning Tools
- FasGroov Kits • Hole Cutter
- Squares and Knives





Tie Tensioning Tools

Non-Slip Manual Tie Tensioning Tools

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.



U.S. Patent No. 5,048,575

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

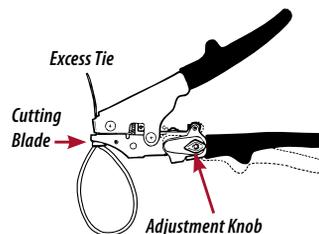
Adjustable Tie Tensioning Tool

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.

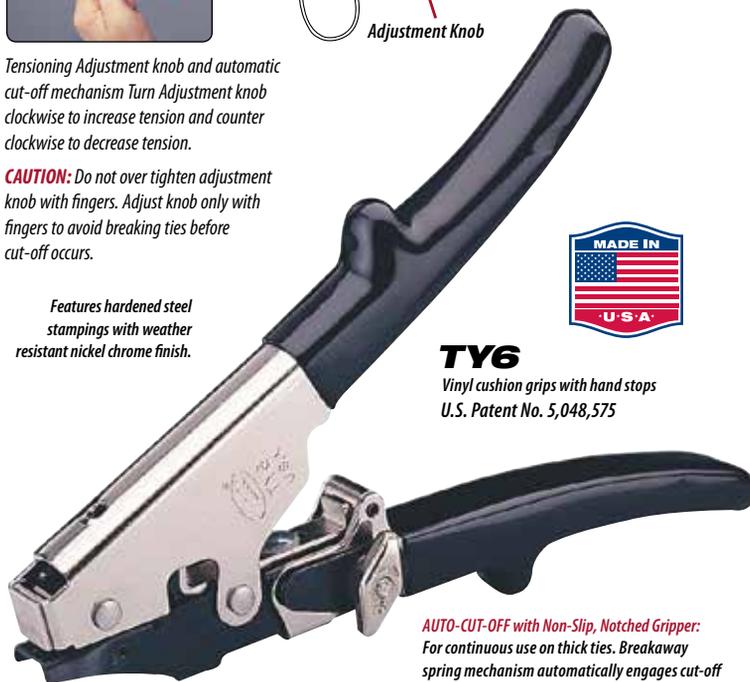
All Malco Tie Tools are designed to work on standard 175 lb. (778 N) ties as well as thinner 125 lb. (556 N) ties.



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.

Features hardened steel stampings with weather resistant nickel chrome finish.



TY6

Vinyl cushion grips with hand stops
U.S. Patent No. 5,048,575

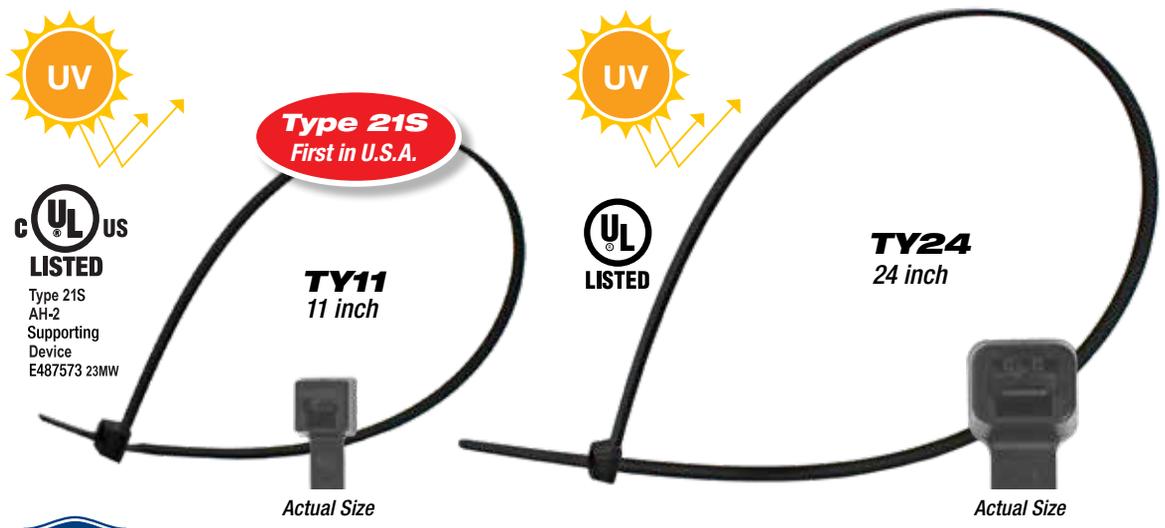
AUTO-CUT-OFF with Non-Slip, Notched Gripper:
For continuous use on thick ties. Breakaway spring mechanism automatically engages cut-off blade at desired tension setting.

| Catalog Number | Description | Length 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) |

Nylon Ties

UL Listed and Made in the U.S.A. Extra Heavy-Duty and UV Resistant Nylon Ties. Malco is one of the first to offer TYPE 21S Tie!

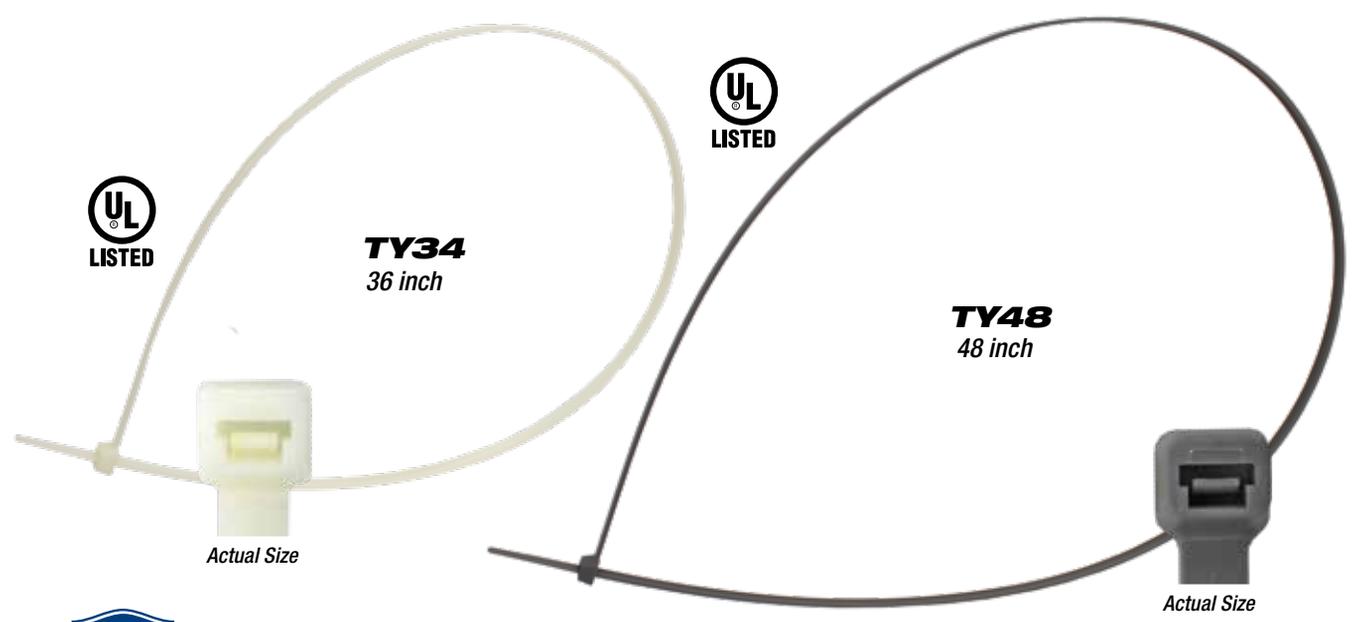
Made of 100% Nylon, these one-piece, self-locking ties are easy to install. Just wrap tie around material, slip tail through head, tighten and set with a Malco Tie Tensioning Tool.



UV RESISTANT 11 & 24 inch

(UL Type 21S - 11 inch, TY11 for HVAC Mini-Splits) and TY24 24 inch ties for securing / bundling Automotive, Marine, Industrial Cable, Hose and Wire.

| Catalog Number | TY11 | TY24 |
|-----------------------|--------------------|---------------------|
| Overall Length | 11 in. (279 mm) | 24 in. (610 mm) |
| Width | 3/16 in. (4.57 mm) | 3/8 in. (9.5 mm) |
| Thickness | 3/64 in. (1.32 mm) | 3/32 in. (2.29 mm) |
| Min. Tensile Strength | 50 lbs. | 175 lbs. |
| Max. Adjustable Dia. | 3-1/16 in. (78 mm) | 7-3/16 in. (179 mm) |
| Color | Black | Black |
| For Malco Tie Tools | TY4, TY4G | TY4, TY4G, TY6 |



JUMBO 36 & 48 inch Heavy Duty

36 and 48 inch Extra Heavy-Duty Ties are rated for indoor use including securing HVAC Take-Offs, and securing / bundling Heavy Cables and Hoses.

| Catalog Number | TY34 | TY48 |
|-----------------------|--------------------|---------------------|
| Overall Length | 36 in. (914 mm) | 48 in. (1219 mm) |
| Width | 3/8 in. (9.5 mm) | 3/8 in. (9.5 mm) |
| Thickness | 3/32 in. (2.29 mm) | 3/32 in. (2.29 mm) |
| Min. Tensile Strength | 175 lbs. | 175 lbs. |
| Max. Adjustable Dia. | 11 in. (279 mm) | 14-1/2 in. (368 mm) |
| Color | Natural | Gray |
| For Malco Tie Tools | TY4, TY4G, TY6 | TY4, TY4G, TY6 |



FasGroov

Ductboard Fabrication

Complete solutions for Fiberglass Duct

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.



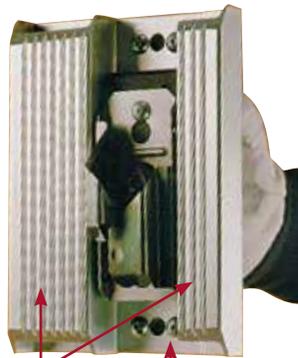
FasGroov Knives

Safer to use with comfortable molded handles. Male and Female Shiplap Knives for 1 in. (25.4 mm) and 1-1/2 in. (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 FG1 Hole Cutter and a special 1-1/2 in. (38.1 mm) blade No. KBHC are available separately for creating flex duct take-offs.



FasGroov Hand Tools

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



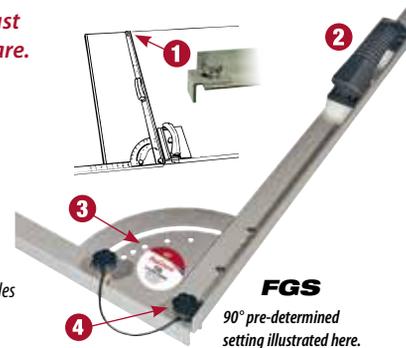
Grooved Sled bottom for easy sliding.

Easy Blade Removal

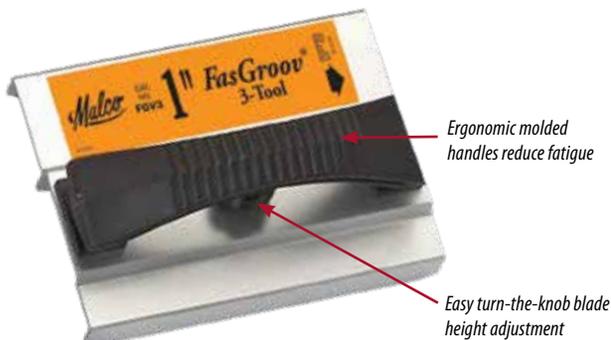
FasGroov Square

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



90° pre-determined setting illustrated here.



Ergonomic molded handles reduce fatigue

Easy turn-the-knob blade height adjustment

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

Ductboard Fabrication Complete Kits

SILVER FasGroov® Kits for 1 in. (25.4 mm) Ductboard



FGSLK
Shiplap Kit
Silver Hand Tools
with Square and
Knives.



FGVK
Vee Kit
Silver Hand Tools
with Square and
Knives.

Includes: FGV1, FGV24, FGV3, FGV5, FGS Square plus FGK, FGM and FGF Knives and #6 Tool FGV6 in Tool Case. Order FGSLKW for Shiplap Kit without Square.

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

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



FGSLKLG
Shiplap Kit
Gold Hand Tools
with Square and
Knives.



FGVKLG
Vee Kit
Gold Hand Tools
with Square and
Knives.

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

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

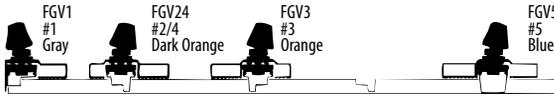
Ductboard Fabrication Specifications



FasGroov



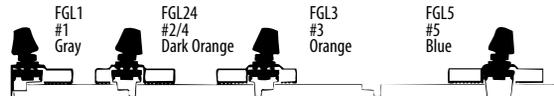
Silver Tools
FGSLK
Shiplap Kit for
1 in. (25.4 mm)
Ductboard



Includes: FGS Square and tools listed above plus FGK, FGM and FGF Knives and #6 Tool FGV6 in Tool Case. Order FGSLKW without square.



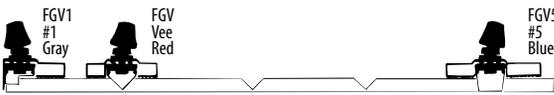
Gold Tools
FGSLKL
Shiplap Kit for
1-1/2 in. (38.1 mm)
Ductboard



Includes: FGS Square and tools listed above plus FGK, FGML and FGFL Knives in Tool Case. Order FGSLKLW for Shiplap Kit without Square.



Silver Tools
FGVK
Vee Kit for
1 in. (25.4 mm)
Ductboard



Includes: FGS Square and tools listed above plus FGK, FGM and FGF Knives and #6 Tool FGV6 in Tool Case.



Gold Tools
FGVKL
Vee Kit for
1-1/2 in. (38.1 mm)
Ductboard



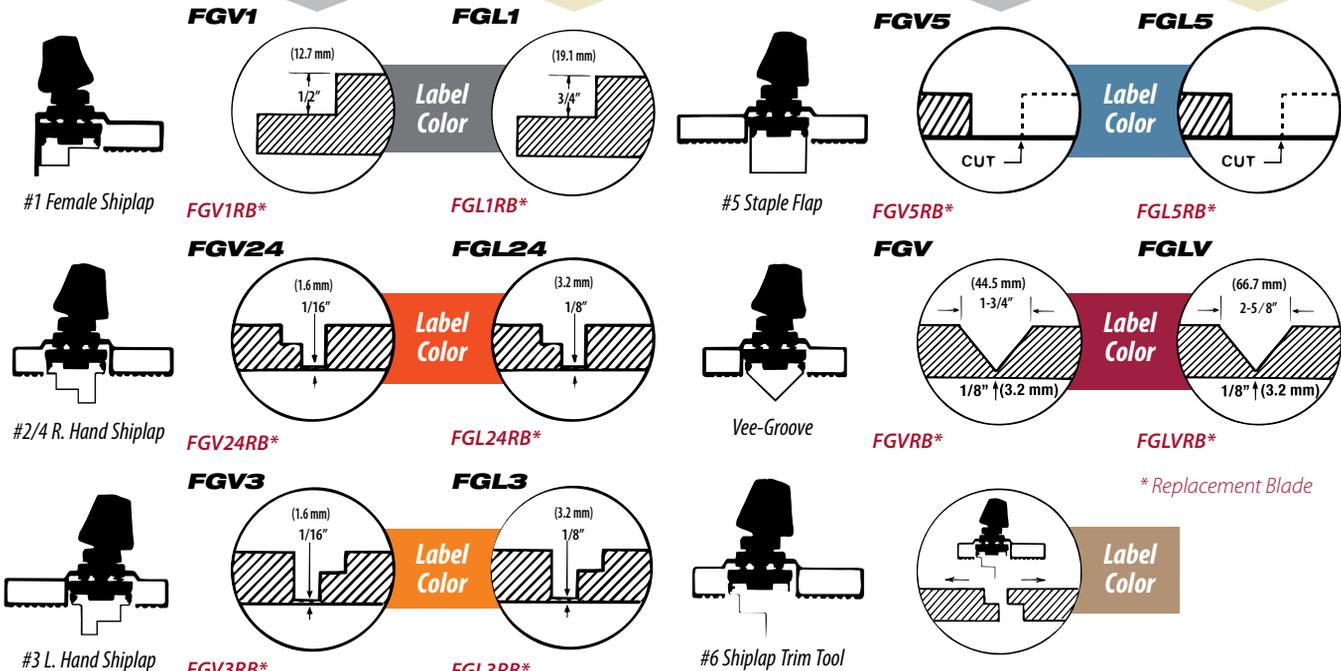
Includes: FGS Square and tools listed above plus FGK, FGML and FGFL Knives in Tool Case. Order FGVKLW for Vee Kit without Square.

1 in. (25.4 mm)
Silver Tools

1-1/2 in. (38.1 mm)
Gold Tools

1 in. (25.4 mm)
Silver Tools

1-1/2 in. (38.1 mm)
Gold Tools



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

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



Flex Duct Support



Flexible duct is often susceptible to kinks and sags that restrict air flow. The FDS1 Flexible Duct Support eliminates air flow restrictions and increases efficiency to dramatically reduce utility bills and improve heated or air-conditioned room comfort. A properly supported 90° duct elbow typically improves air flow efficiency 10 to 40%. A Malco Duct Support quickly installs on new or existing flexible duct. The versatile FDS1 design uses either 36 or 48 inch nylon cable/zip ties to accommodate 4 inch to 16 inch diameters of flexible fiberglass wool duct as well as un-insulated flexible duct. And the strong, but lightweight, 100% recycled polymer support will not weigh down ducting. UL Classified 2043 and GreenSpec Listed.



| Catalog Number | Description | (Tie Requirements per Duct Diameter) | | Nominal Dimensions in. (cm) | Net Wt. oz. (g) |
|----------------|-----------------------|--------------------------------------|----------------------|--|-----------------|
| | | Duct Diameter | Number of Ties | | |
| FDS1 | Flexible Duct Support | 4-10 in. (10.2-25.4 cm) | 2) 36 in. (91.4 cm) | 15 x 11-1/4 x 3 (38.1 x 28.6 x 7.6) | 3 (85) |
| | | 12-14 in. (30.5-35.6 cm) | 2) 48 in. (121.9 cm) | | |
| | | 16 in. (40.6 cm) | 4) 36 in. (91.4 cm) | | |



Flex Duct Cutter



FDC1

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

Wire Cutter



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.

FDSH Universal Flex Duct Knife Sheath

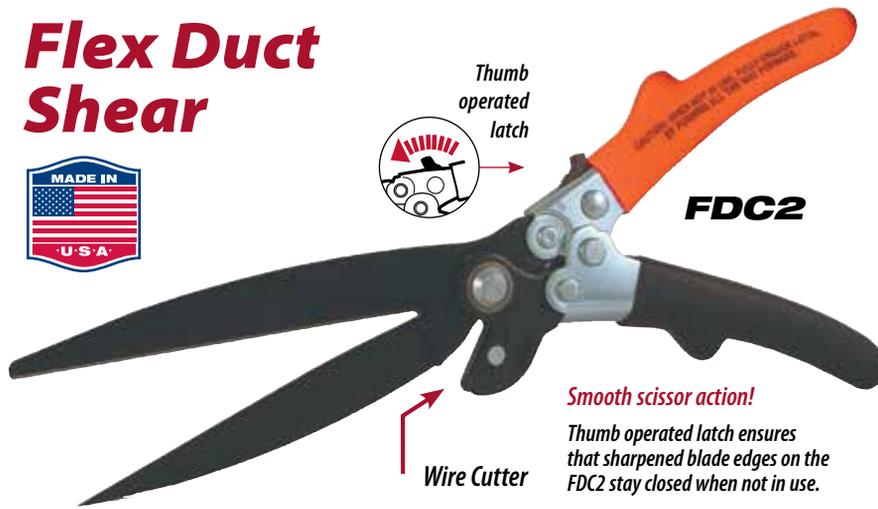
- 2-3/4 in. (70 mm) Wide Belt Loop
- Velcro Safety Strap
- Easily fits DK6S Malco Duct Knife and Duct Tools FDC1, FDC2 and FDC3

High Density Polyethylene insert prevents knife tip from puncturing through nylon.

| 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) |

| Catalog Number | Description | Length in. (mm) | Net Wt. oz. (g) |
|----------------|----------------------------------|-----------------|-----------------|
| FDSH | Universal Flex Duct Knife Sheath | 13.5 (343) | 2.48 (70.3) |

Flex Duct Shear



Smooth scissor action!

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 Shear

Trim flex duct and tighten nylon ties with one tool!



FDSH Universal Flex Duct Knife Sheath

- 2-3/4 in. (70 mm) Wide Belt Loop
- Velcro Safety Strap
- Easily fits DK6S Malco Duct Knife and Duct Tools FDC1, FDC2 and FDC3



High Density Polyethylene insert prevents knife tip from puncturing through nylon.

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.

| 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) |
|----------------|-------------------------------|----------------------|--|------------------------|-----------------|-----------------|
| 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) |

| Catalog Number | Description | Length in. (mm) | Net Wt. oz. (g) |
|----------------|----------------------------------|-----------------|-----------------|
| FDSH | Universal Flex Duct Knife Sheath | 13.5 (343) | 2.48 (70.3) |

Duct Knife for Fiberglass Ductboard

Serrated edge aids cutting
"flex" fiberglass wool duct.



Ergonomic
cushioned
handle offers
comfortable,
sure grip.

DK6S

Puncture resistant nylon sheath
included with DK6S cushion
gripped knife.

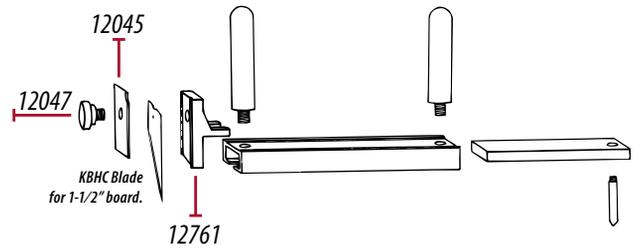


FG1



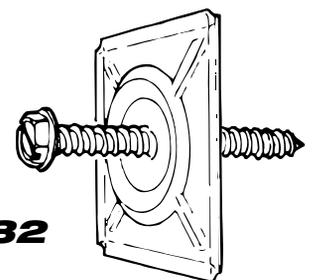
Hole Cutter for Fiberglass Ductboard

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 KBHC blade for 1-1/2 in. (38.1 mm) ductboard. Cuts 4 to 20 in. (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

| 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 in. (38 mm) Ductboard Blade for FG1 (Also works on 1 in. (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 in. (64 x 64 x 0.76 mm) galv. reinforced volcano washer with 7/32 in. (5.56 mm) dia. hole. | — | — | — |
| FLW | 2-1/2 x 2-1/2 x .030 in. (64 x 64 x 0.76 mm) galv. reinforced volcano washer with 1/8 in. (3.18 mm) dia. hole. | — | — | — |
| DK6S | Cushioned Gripped Serrated Duct Knife | 6 (152) | — | 7 (199) |



Vinyl Siding Specialists

**Complete Solutions for
Installation and Removal**

Snip, Snap & Punch with confidence

- ***Andy Snip® • Ultra Lightweight Snip***
- ***Sideswiper II® • The Sider® • Hand Punches***
- ***Notchers and Vinyl Siding Saw Blades***





Multiple Purpose Andy Snips



Lightweight 12 in. (31 cm) aluminum handled combination snip, features a BIG 3 in. (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.


MV12

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



Heavy Vinyl Siding



Aluminum Trim Coil



Landscape Edging



Vinyl Flooring



Carpet



Leather

| 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 | | | | |

Ultra

Lightweight Snips

**Heavyweight Attitude
at less than 10 ounces!**

The Vinyl-Cutting Blade features an extremely sharp knife-like bevel for easy starting and cutting in the thickest, hardest vinyl and other non-ferrous materials or fabrics, including trim coil.

- **Strong, Lightweight 10 in. (254 mm) Polymer Frame**
- **Easy-To-Grasp, Protective Handle Loops**
- **Big 3 in. (76 mm) Long Controlled Cut**
- **Designed for all weather conditions**
- **Replacement Blades are easily installed.**



ULV10



Worry-Free Blade Changes! Malco Ultra Lightweight Snips utilize a fully threaded brass insert thermally anchored in the blade area of the polymer frame for holding power and no loss of thread integrity.

| Catalog Number | Description | Length of Cut in. (mm) | Tool Length in. (cm) | Net Wt. oz. (g) | Replacement Blades |
|----------------|---------------------------------|------------------------|----------------------|-----------------|--------------------|
| ULV10 | Vinyl Cutting, Combination Snip | 3 (76) | 10 (254) | 9.5 (254) | ULV10RB |



Malco

Ultra Lightweight Snip

89

Siding Removal Tool for Vinyl Siding

SideSwiper model SRT2 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 in. (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!

- INSERTION:** Wedge tip of blade under overlapping panel and hook onto the back lip of buttlock.
- UNLOCKING:** Pulling lip downward, slide the tool along length of panel to unlock and expose nail row of panel to be removed.
- 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.

← Cross Section →

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 in. (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.



Scribe it

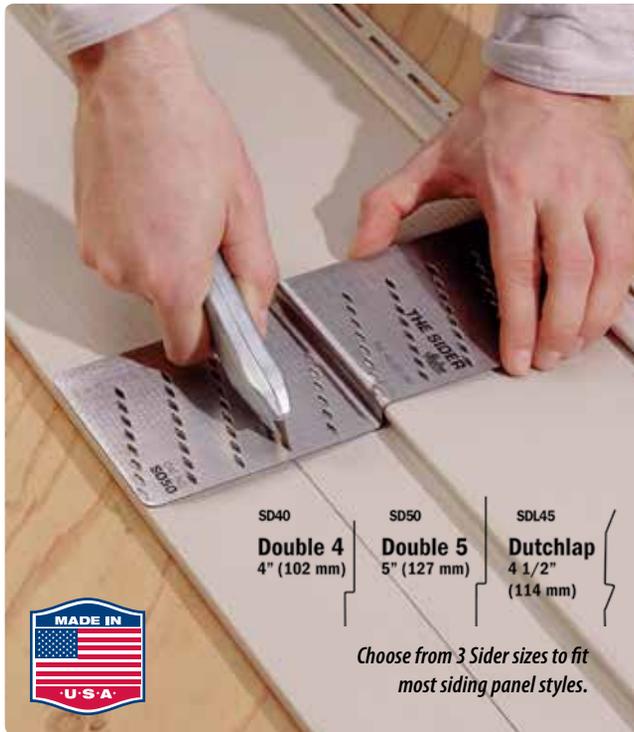


Square it



Cut it!

| 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) |



SD40 Double 4 4" (102 mm)
 SD50 Double 5 5" (127 mm)
 SDL45 Dutchlap 4 1/2" (114 mm)

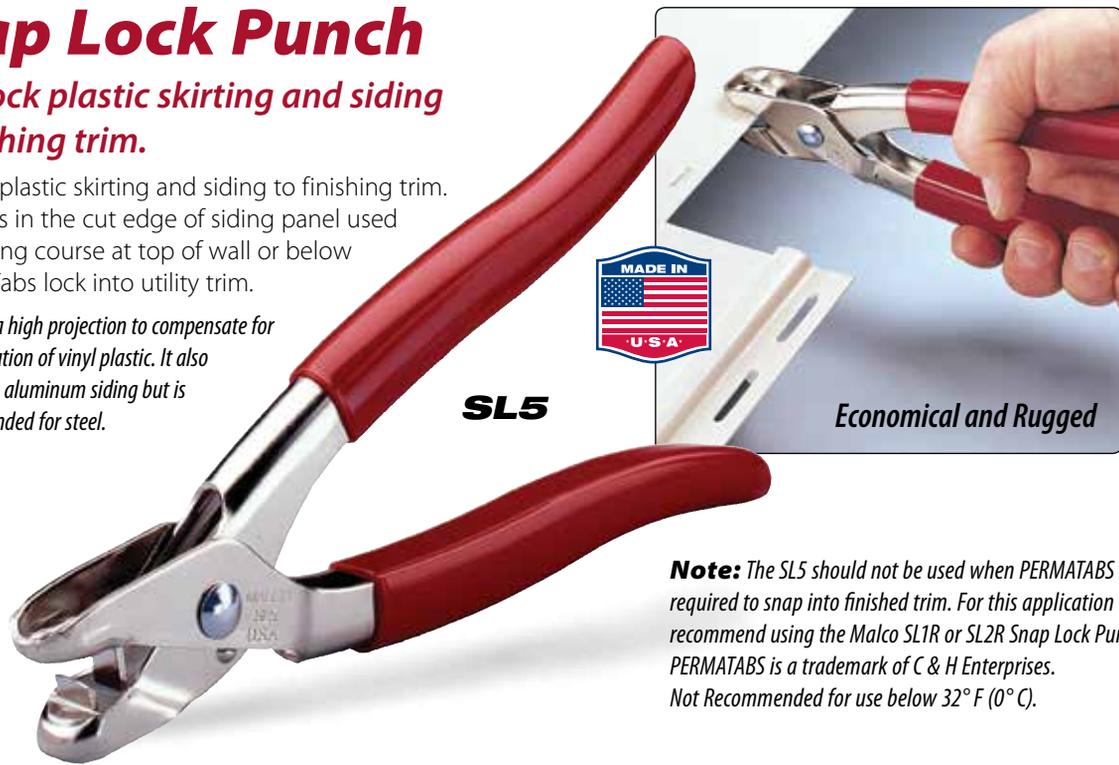
Choose from 3 Sider sizes to fit most siding panel styles.

Snap Lock Punch

Snap lock plastic skirting and siding to finishing trim.

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.



SL5

Economical and Rugged

Note: The SL5 should not be used when PERMATABS are required to snap into finished trim. For this application we recommend using the Malco SL1R or SL2R 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 in. (4.0 to 19.1 mm) horizontal slot for adding or elongating nail holes in vinyl and .019 in. (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.

| 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

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

Use a versatile Malco J-Channel Cutter to make drain tabs, downstream notch cutouts and miter trim cuts in vinyl channel. Available in three sizes for 1/2 inch (12.7 mm) channel, 5/8 inch (15.9 mm) channel and 3/4 inch (19.1 mm) channel. Tool operation is fast and easy! Light hand pressure produces a single handle click signal to ensure perfect drain tabs every time. Graduations on the upper jaw easily gauge tab or notch depths from 3/8 to 1-1/4 in. (9.5 – 31.2 mm). Use either side of the jaws to cut a 45-degree miter for a professional finished look. Hardened all-steel construction with rust resistant nickel chrome and black oxide finishes ensures long service life.



JCCR
5/8 in. (15.9 mm)
J-Channel



Depth Gauge

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



JCC50R
1/2 in. (12.7 mm)
J-Channel



Make Drain Tabs, downstream Notch Cutouts and 45-degree miter Trim Cuts with one tool!

Easy One-Hand Operation!



45° trim cut



JCC75R
3/4 in. (19.1 mm)
J-Channel



| Catalog Number | Description | Application | Tool Length. in. (mm.) | Net Wt. oz. (g) |
|----------------|------------------------------------|-------------|------------------------|-----------------|
| JCC50R | J-Channel Cutter 1/2 in. (12.7 mm) | J-Channel | 8-7/8 (225) | 16 (454) |
| JCCR | J-Channel Cutter 5/8 in. (15.9 mm) | J-Channel | 8-7/8 (225) | 16 (454) |
| JCC75R | J-Channel Cutter 3/4 in. (19.1 mm) | J-Channel | 8-7/8 (225) | 16 (454) |

Replacement Spring for Hand Tools

5018 Fits All JCC Models on this Page



Vinyl Cutting Circular Saw Blades



VCB1

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



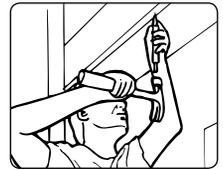
VCB2EV

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

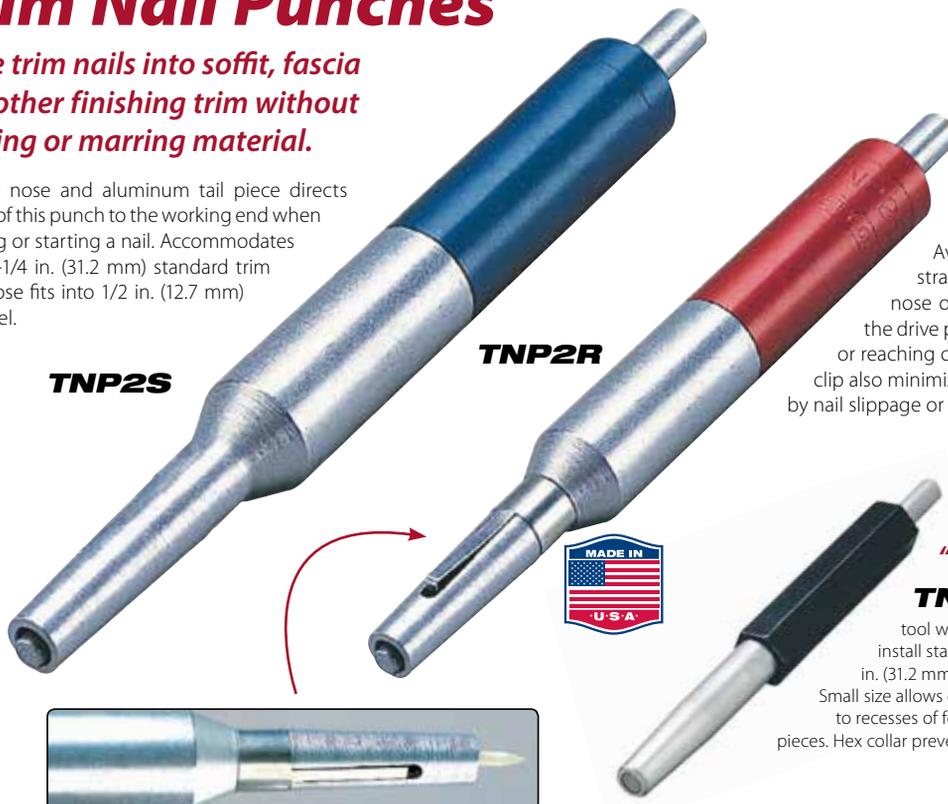
Trim Nail Punches

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

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 in. (31.2 mm) standard trim nails. Nose fits into 1/2 in. (12.7 mm) J channel.



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.



TNP2S

TNP2R

"Pocket Sized"

TNP3S

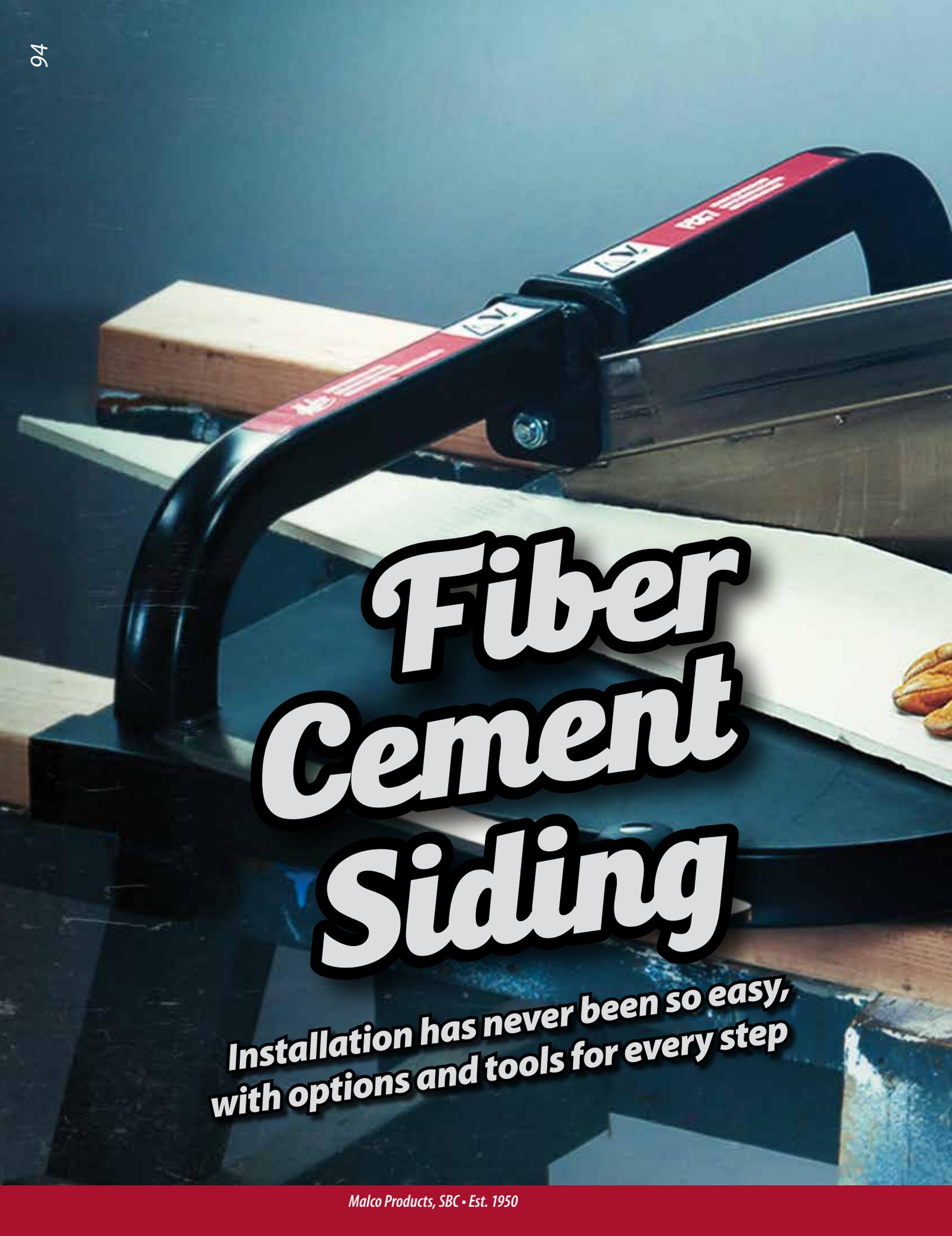
tool will hold and install standard 1-1/4 in. (31.2 mm) trim nails. Small size allows easy access to recesses of formed trim pieces. Hex collar prevents rolling.



Nail Retaining Clip Holds nail securely while positioning punch.

| Catalog Number | Description | Diameter in. (mm) | RPM | Teeth | Arbor in. (mm) |
|----------------|----------------------------------|-------------------|------|-------|----------------|
| VCB1 | Vinyl Cutting Saw Blade | 7-1/4 (184) | 6500 | 186 | 5/8 (15.875) |
| VCB2EV | Vinyl Cutting Circular Saw Blade | 10 (250) | 6500 | 248 | 5/8 (15.875) |

| Catalog Number | Description | Tool Length in. (mm.) | Net Wt. oz. (g) |
|----------------|----------------------------|-----------------------|-----------------|
| 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) | — | — |



Fiber Cement Siding

*Installation has never been so easy,
with options and tools for every step*



Step by Step Innovative Solutions

- *Minimal Dust Guillotines • Nibblers*
- *Gauges for One Person Installation • Punches •
Hole Saws and Fiber Cement Saw Blades*

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.



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

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

Large guillotine work plate and open throat allows clearance for cutting any angle in 5/16 in. (8 mm) fiber cement planks up to 12 in. (305 mm) wide.

FCC7



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

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.



Smooth straight cuts



Cleanly cut any angle desired

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

Fiber Cement Siding Overlap Gauges

- Allows 1-person installation of siding planks.
- Two gauges support entire length of plank and precisely gauge a standard 1-1/4 in. (31.2 mm) overlap - even on a bowed wall.
- No adjustments to vary and nothing to mark.
- Works on 5/16 in. (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 in. (46 cm) away from gauge.



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

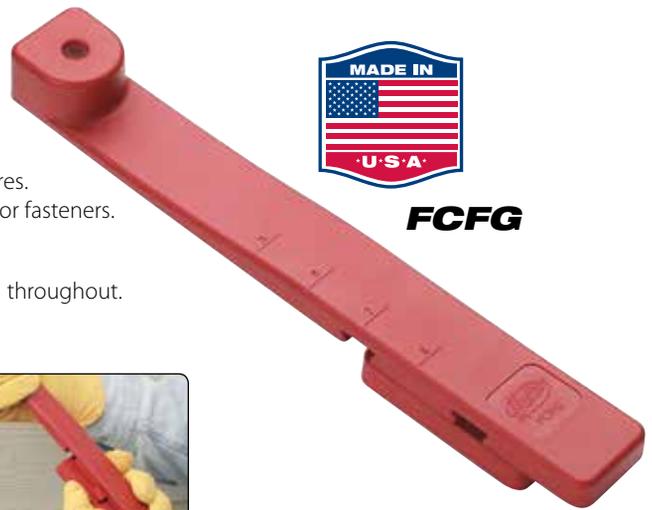


Remove gauge by depressing thumb tab again and lifting gauge up and off lower plank, then pulling gauge out from under top plank.



Fiber Cement Siding Facing Gauge

- Adjustable for precise 5, 6, 7 or 8 in. (127, 152, 178 or 203 mm) exposures. Gauging block easily snaps into desired 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.



FCFG



Speed Set Gauges

Using the Facing Gauge while nailing across the width of the plank assures 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 application.



FCMS

| 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) |
| FCMS | Speed Set Gauges | 10-7/8 (276) | 4 (114) |

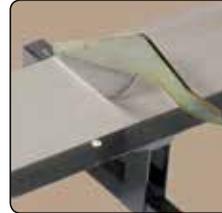


Malco ... by EDMA



Fiber Cement Siding Guillotine Shear

Cleanly cuts 5/16 in. (8 mm) fiber cement siding without distortion or compression. A large, stable support plate, with board stop, ensures straight, square cuts in 8-1/4 in. (210 mm) wide plank with minimal dust. No sharpening required! The durable, lightweight steel frame and high leverage design offer long service life, easy handling and smooth cutting operation.



Fast, Straight Trim Cuts



Minimal Dust Operation



Fiber Cement Siding Circular Saw Blades with Carbide Tips

For repetitive cuts in fiber cement with power miters or portable circular saws, Malco now offers specialized Circular Saw Blades with PCD (PolyCrystalline Diamond) faced carbide tips for longer 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.

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.

Available in:

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



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

Hand Nibblers for Fiber Cement & Backerboard



Anti-Slip blade profile.



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



FCC3 / FCC5

Malco ... by EDMA



(FCC3) Cuts 5/16 in. (8 mm) fiber cement siding & (FCC5) cuts 1/2 in. (12.7 mm) backerboard planks cleanly, without distortion or blowout. Makes fine, precise trim cuts and rounded cuts with ease. Anti-slip blade profile offers exceptional operator control.

| 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) | 1.4 (0.64) |
| FCC5 | Fiber Cement Siding Backerboard Hand Nibbler | — | 12 (305) | 22 (340) | 1.4 (0.64) |
| FCC4 | Fiber Cement Siding Guillotine | 8-1/4 (210) | — | — | 22 (9.98) |

| 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) | 5500 |
| FCCB12 | Fiber Cement Circular Saw Blade | 12 (305) | 8 | 1 (25.4) | 4700 |



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

Hidden Nail Cutter

The easiest way to cut hidden nails

Cuts hidden nails left over from removal of damaged or unwanted fiber cement siding plank without damaging overlapping plank. Flat head with beveled leading edge easily maneuvers under edge of siding and into corners. Ideal for remodeling or salvaging projects.

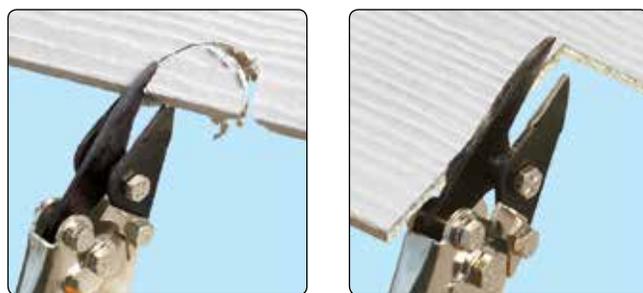


SNC



- 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 & 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.

Fiber Cement Snip



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

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

Designed to cut 5/16-inch (7.9 mm) fiber cement siding plank, the FCSR Snip makes precise arc and trim cuts from any work position fast and easy. Hardened all-steel construction with rust-resistant nickel plate and black oxide finishes ensures long service life.



FCSR

| Catalog Number | Description | Length in. (cm) | Net Wt. oz. (kg) |
|----------------|--------------------|-----------------|------------------|
| SNC | Hidden Nail Cutter | 18-1/2 (47) | 28 (794) |
| FCSR | Fiber Cement Snip | 8-1/2 (21.6) | 12 (340) |

Replacement Spring for Hand Tools

5018 Fits FCSR



QUICK ACTION™ Carbide Tipped Hole Saws

and Accessories

Easily cut thick or layered building materials including wood, wall tile, fiberglass, plastic and fiber cement siding including James Hardie®

- Quick Change Pilot Drills with a tight, gripping hex shank are available in both **High Speed Steel and Carbide Tipped**.
- Unique Quick Connect Arbor easily attaches both pilot drill & hole saw quickly and securely.
- 19 separate Hole Saws work fast with Carbide Tipped Teeth featuring self cleaning deep gullets.



• Cleanly cut holes in walls clad with Fiber Cement Siding • Generous 2-1/4 in. (57 mm) Saw Depth is also versatile for cutting through a variety of other wall cross-sections.



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

19 Different Hole Saw Sizes!



QUICK CONNECT™
Arbor

QUICK CHANGE™
Pilot Drills

QUICK RELEASE SET™
Arbor and Pilot Drill

HA3



HH4



HH5

HHA5



Quick-Action 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 |
| HF17 | 2-9/16 (65) | 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 |
| HF18 | 3-5/8 (92) | 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 |
| HF19 | 4-5/8 (117) | 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 |

Quick Connect Arbor

| Catalog Number | Hex Opening mm | Thread Size in. | Use for Carbide Tipped Hole Saws |
|----------------|----------------|-----------------|----------------------------------|
| HA3 | 10 | 5/8 - 18 | 1-3/8—6-5/16 (35-160) |

Quick Change Pilot Drills

| Catalog Number | Drill | Hex Shank mm | Overall Length in. (mm) | Drill Chuck in. (mm) | Use with Arbor |
|----------------|-------|--------------|-------------------------|----------------------|----------------|
| HH4 | HSS | 10 | 7-3/4 (196) | 1/2 (12.7) | HA3 |
| HH5 | CT | 10 | 7-3/4 (196) | 1/2 (12.7) | HA3 |

Quick Release Set - Arbor with Pilot Drill

| Catalog Number | Drill | Hex Shank mm | Overall Length in. (mm) | Drill Chuck in. (mm) | Use for Carbide Tipped Hole Saws |
|----------------|-------|--------------|-------------------------|----------------------|----------------------------------|
| HHA4 | HSS | 10 | 7-3/4 (196) | 1/2 (12.7) | 1-3/8—6-5/16 (35-160) |
| HHA5 | CT | 10 | 7-3/4 (196) | 1/2 (12.7) | 1-3/8—6-5/16 (35-160) |

Important Note:

New Catalog Numbers for Arbor, Pilot Drills and Quick Release Sets are **not compatible or interchangeable** with any of these **Discontinued Catalog Numbers: HA1, HH1, HH2, HHA1, HHA2**

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

Hole in One[®] HOLE SAW

A hole saw supplied with a dedicated arbor is always the right match, properly assembled and ready to use. BiMetal by Malco concentric construction ensures vibration-free cuts in any machinable metal, including tool steels and stainless. A variable 4/6 pitched tooth configuration milled into a high speed steel edge and micro-welded to a shatterproof alloy steel body easily tackles nail embedded wood. And a generous 1-15/16-inch (49.2 mm) cup depth allows cuts in wooden studs, joists and door slabs in one pass.



- Shatter Proof
- High-Speed Steel

Bimetal hole saw with supplied arbor easily cuts metal, nail embedded wood, studs, joists and door slabs.



High speed 1/4-inch (6.4 mm) replacement pilot drill bit fits both original Hole-in-One hole saw with built-in arbor and current 2-piece Hole-in-One with dedicated separate arbor. Generous 3-sided, 1-13/16-inch (30.2 mm) long flats ensure easy positioning of replacement pilot drill bit in the pass-through shank of original welded-on arbor and positive connection with arbor cap screw of either original or current arbor.

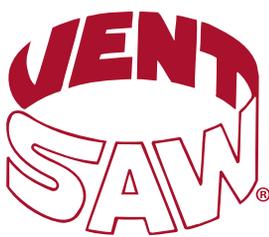
Hole in One - Hole Saws

| Catalog Number | Diameter in. (mm) | Cup Depth in. (mm) | Bit Dia. in. (mm) | Teeth | Mild Steel | Stainless Steel | Tool and Cast Iron | Brass | Aluminum |
|----------------|-------------------|--------------------|-------------------|--|--------------------------------|-----------------|--------------------|-------|----------|
| | | | | | RECOMMENDED RPM Cutting Speeds | | | | |
| H30 | 1-7/8 (47.6) | 1-15/16 (49.2) | 1/4 (6.4) | Variable Pitched 4/6 per in. (25.4 mm), milled hook* | 180 | 90 | 120 | 240 | 270 |
| H32 | 2 (50.8) | 1-15/16 (49.2) | 1/4 (6.4) | Variable Pitched 4/6 per in. (25.4 mm), milled hook* | 170 | 85 | 115 | 230 | 255 |
| H38 | 2-3/8 (60.3) | 1-15/16 (49.2) | 1/4 (6.4) | Variable Pitched 4/6 per in. (25.4 mm), milled hook* | 140 | 70 | 95 | 190 | 220 |
| H44 | 2-3/4 (69.9) | 1-15/16 (49.2) | 1/4 (6.4) | Variable Pitched 4/6 per in. (25.4 mm), milled hook* | 125 | 60 | 80 | 160 | 185 |

Pilot Drill Bit

HSB 1/4 in. (6.4 mm) Hole Saw Bit - Length: 3-1/2 in. (88.9 mm)

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



HSW68 for 4 in. (102 mm)
Duct Pipe and Vent Hood Holes
HSW97 for 6 in. (152 mm)
Duct Pipe and Vent Hood Holes



HSW68
7/16 in. (11.1 mm) pilot drill

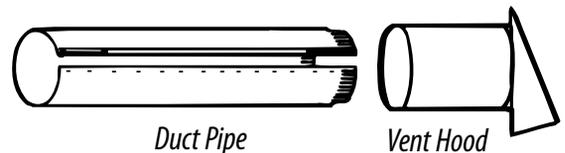


HSX Vent Saw Extension

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 Pilot Drill | 7/16 (11) | — | — |
| HSX | 13 in. (330 mm) Arbor Extension fits Malco Vent Saw [®] | | | |

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 in. (11.1 mm) pilot drill. The webbed mandrel allows easy plug removal and a built-in arbor eliminates the need for separate arbor attachments.



Let's Heat Things Up!

Install PEX Tubing with Blazing Speed

Radiant Heating Installation made easy

- *Foamboard Stapler and Staples*
- *PEX to Wood Stapler and Staples*
- *Smart Tool and Smart Clip Fastening System*
 - *PEX Tubing Uncoiler*
 - *PEX to Wire Hand Tool*
 - *Tube Cutters*



Modify your original Malco FBS or FBSN Foamboard Staplers for PEX to wooden sub-floor installation. Kit includes weight cylinder and easy instructions.



FBSN

Slide weight and wire-form stand!

PEX to Foamboard Stapler for in-floor radiant heating installation. Design includes magazine slide weight and stand.

Easily secures 3/8, 1/2, & 5/8 in. (9.5, 12.7 & 15.88 mm) "PEX" to 1 or 2 in. (25.4 or 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 in. (38.1 mm) staples are designed for 1 in. (25.4 mm) foamboard. Additional Barbs on 2 1/2 in. (63.5 mm) Staple "Double the Holding Strength" in 2 in. (50.8 mm) foamboard.



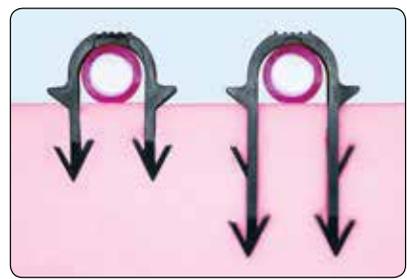
Slide Weight for easy feeding



Non-Jamming Extraction of Staples



Retractable wire-form stand



Exclusive Foamboard Staple Design

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

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

FBSN2: 2-1/2 in. (63.5 mm) staples double the holding for 2 in. (50.8 mm) foamboard.

| Catalog Number | Description | Stapler Size in. (mm) | Staple Size in. (mm) |
|--------------------|---|--|----------------------|
| FBSN | PEX to Foamboard Stapler | 37 x 11-1/4 x 2-1/2 in. (940 x 286 x 64) | |
| PEX Staples | | | |
| FBSN1 | 1-1/2 in. (38.1 mm) staple for 1 in. (25.4 mm) foamboard (200 qty.) | — | 1-1/2 (38.1) |
| FBSN2 | 2-1/2 in. (63.5 mm) staple for 2 in. (50.8 mm) foamboard (200 qty.) | — | 2-1/2 (63.5) |
| FBS1BX | 1-1/2 in. (38.1 mm) box of staples for 1 in. (25.4 mm) foamboard (300 qty.) | — | 1-1/2 (38.1) |
| FBS2BX | 2-1/2 in. (63.5 mm) box of staples for 2 in. (50.8 mm) foamboard (300 qty.) | — | 2-1/2 (63.5) |

PEX to Wood Conversion Weight Kit

PWSK1 Conversion Kit for Original FBS / FBSN Foamboard Stapler

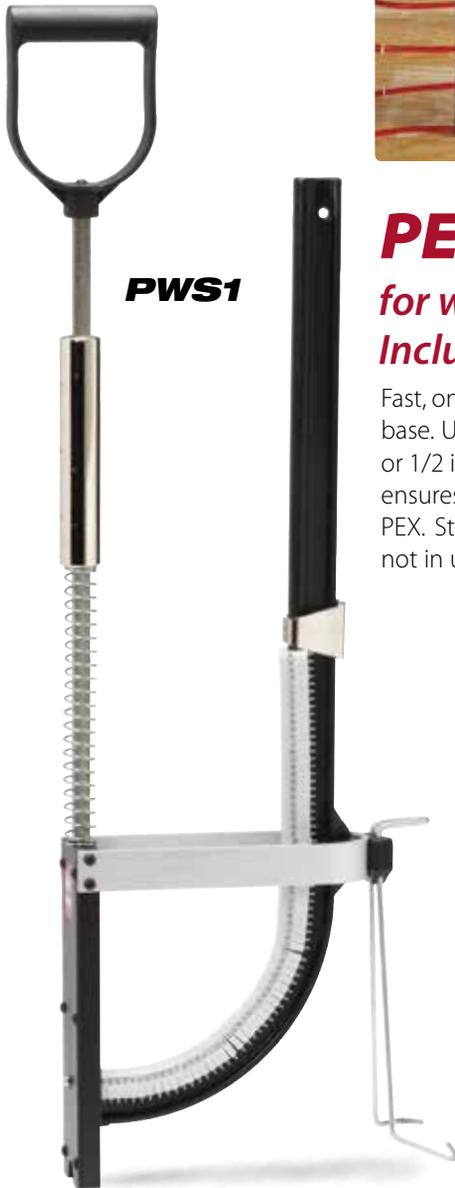
Replacement Parts

FBSNS FBSN / PWS1 Wire-form stand*

FBSNW Magazine Slide Weight**

* Will work with Black Magazine Slide only.

** Will work with any model, including original FBS



PWS1

PEX to Wood Stapler

for wood or in-floor radiant heating installation. Includes magazine slide weight and 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 PWS1 Stapler to secure 3/8 or 1/2 in. (9.5 or 12.7 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.



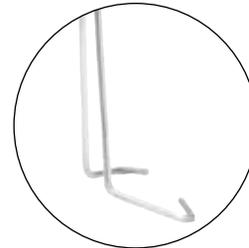
Slide Weight for easy feeding



Weight Cylinder for Wood Sub-Floor



Non-Jamming Extraction of Staples



Retractable wire-form stand



PEX to Wood Staples

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.

PWS2: 1-1/8 in. (28.6 mm) Staples to secure 3/8 in. or 1/2 in. (9.5 or 12.7 mm) PEX layouts to a 3/4 in. (19.1 mm) wooden sub-floor.

| Catalog Number | Description | Stapler Size in. (mm) | Staple Size in. (mm) |
|--------------------|--|--|----------------------|
| PEX Stapler | | | |
| PWS1 | PEX to Wood Stapler | 37 x 11-1/4 x 2-1/2 in. (940 x 286 x 64) | |
| PEX Staples | | | |
| PWS2 | PEX to Wood Staples (for use in plywood) | — | 1.125 (28.6) |

SmartTool & SmartClip Fastening System

for fast, uniform layout of PEX to a wire grid with foamboard base



Easy top-loading SmartClip magazine



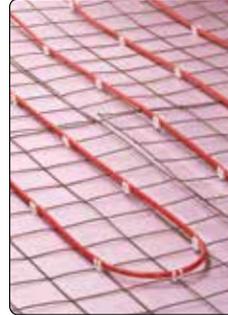
Use the Smart Tool standing comfortably



Smart Clip is designed for a secure wire connection



Protective plastic-to-plastic PEX connections



Uniform layout ensures even radiant heating surface.



80% Faster - 100% Smarter

The easy-to-use, top-loading SmartTool stapler is used to install SmartClip staples that secure an in-floor radiant heating layout of PEX tubing to a wire grid with foamboard base. The ergonomic 38-1/2-inch (98 cm) tall SmartTool weighs only 6.1-lbs (2.8 kg) and saves time, as well as the user's back and knees, by operating from a standing position to attach SmartClips to a 10-ga (3.5 mm) wire grid. A large capacity magazine holds over 40 SmartClips (two loading strips) for uninterrupted, smooth, one-stroke stapling. The installed SmartClips accommodate popular 1/2 inch PEX tubing, which the user also installs from a standing position by pressing into place with one foot while distributing the PEX along the clip layout. The plastic-to-plastic, SmartClip-to-PEX connection eliminates risk of clip corrosion or abrasion of PEX. The SmartClip keeps the inserted PEX elevated over the wire grid to provide thorough concrete encasement and coverage. The resulting straighter, more accurate PEX layout placement on the wire grid ensures even distribution of in-floor heating.



SM2 SmartClips

| Catalog Number | Description | Tool Length in. (cm) | Handle Width in. (cm) | Wire Capacity Ga. (mm) | SmartTool Clip Maximum | PEX Capacity in. (mm) | Tool Net Weight lbs. (kg) | Quantity |
|----------------|-------------|----------------------|-----------------------|------------------------|------------------------|-----------------------|---------------------------|----------|
| SM1 | SmartTool™ | 38.5 (98) | 21 (53) | — | 2 Strips of 20 Clips | — | 6.1 (2.78) | 1 |
| SM2 | SmartClip™ | — | — | 10 (3.5) | — | .5 (12.7) | — | 1280 |

PEX Tubing Uncoiler

Organize and dispense PEX Tubing easily and efficiently for a more uniform layout



Use for hydronic in-floor radiant heating layout and for running potable tubing. The open case serves as the unit's base. No tools are required to assemble. A heavy-duty turntable supports a full coil of PEX (polyethylene cross-linked tubing). Eyelet loop opens for easy feeding or removal of tubing from Uncoiler unit. Rotating eyelet arm allows tubing to be pulled off in any direction. Factory-adjusted tension prevents backlash and spreading of tubing coil off the turntable.



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

Fast Set-Up, Easy Loading and Dispensing.



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



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

EASY STEP BY STEP ASSEMBLY



An optional Wheel and Handle Kit is also available.

| Catalog Number | Description | Net Wt. lbs. (kg) |
|----------------|--|-------------------|
| UC1 | Pex Tubing Uncoiler in Case | 50 (22.7) |
| UWK | Pex Tubing Uncoiler Wheel and Handle Kit | — |



PEX to Wire Tool

The Lowest Cost Per Connection, for laying out a PEX in-floor radiant heating system on a wire grid.

A fast, easy, labor-saving way to lay out an in-floor radiant heating system on a wire grid! The PT1 Tool secures PEX (polyethylene cross-linked tubing) to a wire grid with proprietary Malco PC1 Clips. The tool's 25-clip capacity magazine and smooth stapling mechanism quickly feeds and installs the 12-gauge (2.5 mm) wire clip with a single one-handed pump of the handles. The secured clip allows adequate movement to avoid abrasion of the PEX tubing. Hardened all-steel construction with rust resistant nickel plate and black oxide finishes ensures long service life.

The Malco PT1 PEX To Wire Tool also features ergonomic RedLine Handle technology. An Engineered handle opening compliments the natural power stroke of any user's hand and maximizes the powerful 7:1 mechanical advantage of compound-leverage head to handle linkage. Comfortable handle grip contours, a non-slip grip insert, spring handle actuation and a thumb-operated handle latch ensure a natural fit and feel for comfortable one hand operation anywhere on the job.

Safe to use on all PEX to wire applications and all brands of PEX tubing from 3/8 in. (9 mm) to 5/8 in. (15.9 mm) diameters.



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



EASY STEP BY STEP ASSEMBLY



PC1 EV PEX to Wire Clips



1-7/8 in. (48 mm)

12-ga
(2.5 mm)

15/16 in. (25 mm)

15/16 in.
(25 mm)

| Catalog Number | Description | Clip Usage | Length in. (mm) | Net Wt. oz. (g) |
|----------------|------------------|------------|-----------------|-----------------|
| PT1 | PEX to Wire Tool | PC1 | 10-3/8 (264) | 28 (794) |

PEX to Wire Clips - 25 clips per strip

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

Tube Cutters

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.

Hard or Soft Copper



- 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.

Tight Spaces



1-1/4 in. 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 in. (42.9 x 49.2 x 22.2 mm). Weighs only 2-1/2 oz. (71 g) A mere 1-1/4 in. (31.8 mm) clearance is all that is needed to operate the "Imp".

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.

Double Rollers



Tubing pivots on double rollers.

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

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.

Sure Grip Tube Slicer



Ideal for use on PEX Tubing

Also produces cuts in ABS, PVC, rubber and fabric reinforced hose up to 1 in. (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.

| 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 | — | — | — | — |

Endless Fencing Solutions

Ease the monotony of
Chainlink & Vinyl fencing

Speed is the only requirement

- *Exclusive Hog Ring Pliers and Staples*
- *Fencing Pliers • Chainlink Fencing Staplers*
- *Chainlink Fence Tensioners*
- *Vinyl Cutting Saw Blades*
- *Notchers and Wrenches*

Commercial Grade Chainlink 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.

Designed to address the most stringent regulatory codes, this commercial grade hog ring pliers ensures uninterrupted operation to quickly install extra secure Malco 9 Ga. (3.8 mm) collated aluminum rings or exclusive 9 Ga. (3.8 mm) collated steel rings anywhere along a chain link fence. Long handles save time and effort with plenty of leverage and reach. The 25-count strips of collated rings can be loaded into the pliers' symmetrical magazine from either direction. A plunger feed automatically sets up each ring. There is no need to manually rotate the magazine out of the way as the pliers' clinching mechanism brings the ring forward of the nose for easy access to tension wire and fence. The magazine easily folds down for safe and easy storage of tool.

- 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

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 in. (61 cm) intervals.

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 in. (61 cm) intervals.



Collapsible magazine for easy storage!



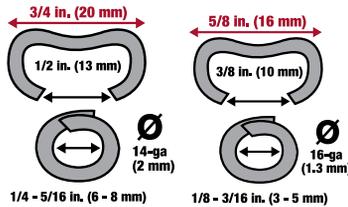
Easy to Load and Lock

| 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 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 in., 16 mm) and HR2 (3/4 in., 20 mm) hog ring staples.

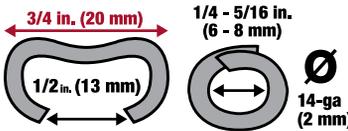


HRP1



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 in., 20 mm) hog ring staples

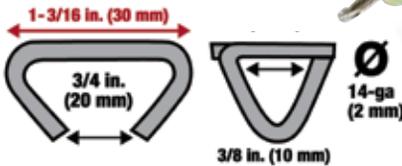


HRP2



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 in., 30 mm) hog ring staples



HRP4



| 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 | — | — | HRP1 | Galvanized Steel | 1250 | 5/8 (16) | 3/8 (10) | 1/8-3/16 (3-5) | 16 (1.3) |
| HR1X | Hog Ring Staples | HRP1 | — | — | 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 | — | — | 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 | — | — | HRP1/HRP2 | Galvanized Steel | 200 | 3/4 (20) | 1/2 (13) | 1/4-5/16 (6-8) | 14 (2) |
| HR4 | Hog Ring Staples | HRP4 | — | — | 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.

This legendary fencing pliers design features three serrated jaw areas for gripping, pulling and tying fence wire. Also, 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 and tapered nose allows easy entry and reach into tight areas. Textured handle surfaces promote safe and sure control. And durable hardened all-steel construction offers long, dependable service life.



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

Chainlink and Vinyl Essentials



FCP1



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



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



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



FTC1

Carbide Tipped Teeth



Vinyl Cutting Circular Saw Blades

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

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

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



VCB1

VCB2EV

VCB3EV

| Catalog Number | Description | Tool Length in. (mm) | Net Weight oz. (g) | Net Weight lbs. (kg) |
|----------------|-------------------------------|----------------------|--------------------|----------------------|
| 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 | Max RPM | Teeth | Arbor In. (mm) | 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 | 5/8 (15.875) | — | — | — |
| VCB2EV | Vinyl Cutting Circular Saw Blade 10" (254 mm) | 6500 | 248 | 5/8 (15.875) | — | — | — |
| VCB3EV | Vinyl Cutting Circular Saw Blade 12" (305 mm) | 5800 | 100 | 1 (25.4) | — | — | — |

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.



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



VFN2

Rail Notcher

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



VFN1

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



Quickly lock rails and pickets in place.



VFN2

Easily create 1/2 in. or 3/4 in. (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.



VRR1



(1)



(2)



(3)



TOP VIEW

- 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.

| 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 (127) | 6.72 (191) |

Offset Ratcheting Wrench

Two-way ratcheting action with an effortless handle-swing motion

This versatile, compact and lightweight Offset Ratcheting Wrench provides easy fastener access and fast, two-way ratcheting action with an effortless handle-swing motion. Finger switches are easily accessible to change ratcheting direction. It is ideal for installing or removing fasteners at chain link fence hook-up points. A 25 degree offset design maintains clearance between fingers and chain link fabric when fastening fence hardware such as tension bands, brace bands and rail end cups. The 12-point box heads, at each end of the wrench, grasp standard U.S. 1/2 inch and 9/16 inch hex fasteners from multiple angles. The box head keeps wrench in contact with the fastener for superior control. And through-hole socket openings accommodate any fastener length! Designed for long service life, this Offset Ratcheting Box Wrench exceeds ASME minimum torque requirements. Hardened socket openings and protective nickel chrome plating compliment a solid plastic core sandwiched between the tool's 1/8 inch (3.18 mm) steel plates to ensure that the ratcheting mechanism will function in harsh cold, wet or dirty working conditions.



RRW6



| Catalog Number | Description | 12 Pt. Hex Sockets | Nominal Length | Net Weight |
|----------------|---------------------------|--------------------|-------------------|---------------|
| RRW6 | Ratcheting Wrench, Offset | 1/2 and 9/16 in. | 6.75 in. (172 mm) | 5 oz. (142 g) |

Multi-Track Pliers

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

- **Undercut Tongue & Groove Adjustment will not slip!** Jaws are held securely in selected position.
- **PermaLock® Fastener** eliminates nut & bolt failure.
- **Heat Treated Right-Angle Teeth** grip better, last longer.
- **No Pinch Point.** Lower jaw and reinforcing rib prevent handles from touching.
- **Long, Vinyl-Cushioned Handles** give powerful leverage with a gentle spread for easy one-hand operation.



Thin Design, Tempered Steel Halves allow access in confined spaces where other pliers & wrenches won't go.

STRAIGHT JAW



RUGGED V-JAW

V-shaped jaw creates more points of contact on pipe and round stock for stronger bite and more control.

MT12
12 in. (300 mm)

MT10
10 in. (250 mm)

MT7
8 in. (200 mm)

MT6
6-1/2 in. (165 mm)



| Catalog Number | Description | Overall Length in. (mm) | Jaw Type | Jaw Length in. (mm) | Jaw Capacity in. (mm) | Jaw Adjustments | Handle Span | Net Weight oz. (g) |
|----------------|-------------------|-------------------------|----------|---------------------|-----------------------|-----------------|--------------|--------------------|
| MT6 | Multi-Track Plier | 6-1/2 (165) | Straight | 13/16 (20.5) | 7/8 (22) | 5 | 1-11/16 (43) | 6 (170) |
| MT7 | Multi-Track Plier | 8 (200) | Straight | 1-1/8 (28.5) | 1-1/2 (38) | 4 | 1-9/16 (40) | 13 (358) |
| MT10 | Multi-Track Plier | 10 (250) | V-Jaw | 1-3/8 (35) | 2 (51) | 7 | 1-3/16 (56) | 15 (431) |
| MT12 | Multi-Track Plier | 12 (300) | V-Jaw | 1-1/2 (38) | 2-1/4 (57) | 7 | 1-11/16 (43) | 29 (807) |

Jobsite Essentials

Essential Tools to make your job easier



Accessorize the way you work

- Writable Tape Measure • Tape Measures • Rules • Measuring Wheels*
- Squares • Levels • Tube Benders • Hex Key Sets • Drill Bit Holder*
- Multi-Purpose Andy Snips • Tool Totes • Electrical Pliers*
- Beast Shingle Removers • Magnetic Sweep • Caulking Guns*
- Laminate Flooring Gullotine • Utility Knives*
- Natural Roofing Slate Hand Tools*

Magnetic

Tip Tape Measures

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 in. 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!

Designed for:

**Metal Ductwork • Ceiling Grids • Metal Stud Framing
Measuring Elevations • One-Person Measurements •
Extended blade tip even works as pick-up tool!**

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



Non-Magnetic Tape Measures

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



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

CT430

CT425

Writable Tape Measures

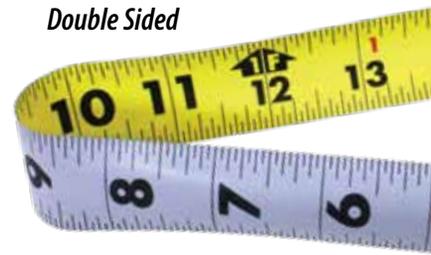
Work Faster and Easier,
with Greater Efficiency



T425WM
Magnetic Measuring Tape



Double Sided



4 Hook Points



T425W



Magnetic
T425WM

- Note one measurement or a quick series on the large writable surface. Use a common "pencil only" for writing.
- Both Tape Measures includes 2 carpenter pencils. You supply the thumb or pants as eraser.
- Long-life, nylon coated blade protects high visibility inch graduations and wall stud increments
- Double sided blade allows convenient orientation of case around obstacles. • Positive slide lock prevents blade creep.
- Optional reading from back side of blade, with curve face down facilitates stud increments, easier graduation locating and marking.
- T425WM is Magnetic Tipped and blade is self-supporting up to 9 feet (2.75 m).
- T425W is non-magnetic and its blade is self-supporting up to 10 feet (3 m).

| Catalog Number | Description | Net Wt. oz. (g) | Catalog Number | Description | Net Wt. oz. (g) |
|----------------|---|-----------------|----------------|---|-----------------|
| T425W | 1 in. x 25 ft. Measuring Tape, Writable | 19 (527) | T425WM | 1 in. x 25 ft. Measuring Tape, Writable, Magnetic | 19 (527) |



48AR

Aluminum Straight Edge Rule



Made from .125 thickness extruded aluminum. This 48 in. rule is 2 in. 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 Semi-Flexible

Tinner's Circumference Rules



48CR Heavy Duty



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 in. increments both sides. Rules are 48 in. long x 1-1/4 in. wide.

Distance Measuring Wheels

Ergonomic Pistol Grip offers greater comfort and less wrist fatigue.

10 in. MW10

Popular 10-inch wheel with versatile folding handle for compact storage.

Telescoping
Télescopique
Telescópico

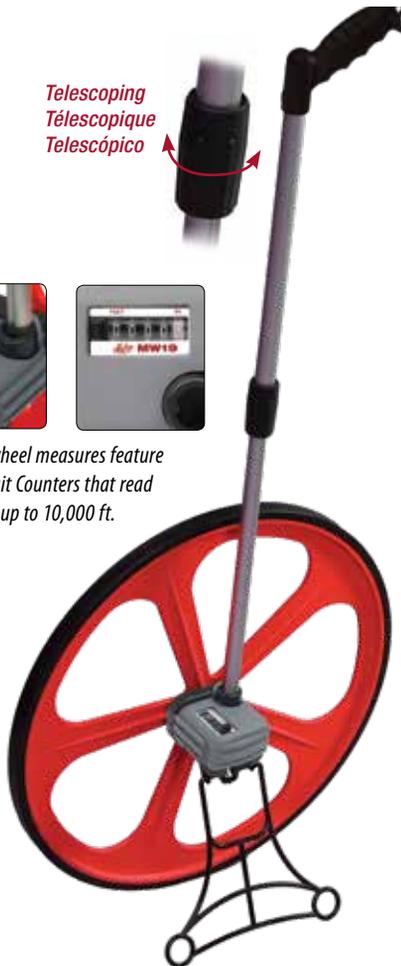
19 in. MW19

For Accurate Measurements in Most Outdoor Conditions



Both wheel measures feature 5-Digit Counters that read up to 10,000 ft.

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



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

| Catalog Number | Description | Upper Scale Graduations (in.) | Lower Scale Graduations | Graduations (in.) | Net Weight lbs. (oz) |
|----------------|--|-------------------------------|---|--------------------|----------------------|
| 48AR | 48 in. Straight Edge | — | — | Increments to 1/16 | 1 (16) |
| 48BS | 48 in. Tinner's Circumference Rule (Semi-Flexible) | Increments to 1/16 both sides | 150 circumference inches in 1/8 in. increments both sides | — | — |
| 48CR | 48 in. Tinner's Circumference Rule (Heavy-Duty) | Increments to 1/16 both sides | 150 circumference inches in 1/8 in. increments both sides | — | — |

| Catalog Number | Description | Wheel Diameter in. (mm) | Nominal Circumference in. (cm) | Storage Length in. (mm) | Collapsed Length in. (mm) | Extended Length in. (cm) | Net Weight lbs. (kg) |
|----------------|---------------------------------|-------------------------|--------------------------------|-------------------------|---------------------------|--------------------------|----------------------|
| MW10 | 10 in. Diameter Measuring Wheel | 10 (254) | 36 (91.4) | — | 22 (55.9) | 37 (94) | 2.10 (0.95) |
| MW19 | 19 in. Diameter Measuring Wheel | 19 (483) | 60 (152.4) | 29 (73.7) | — | 41.8 (106) | 3.64 (1.65) |

Squares and Levels



Precision Multi-Use Combination Square

Use as a tri or miter square, height or depth gauge or for striking parallel or right angle lines. A full view vial allows easy leveling or plumb work!

- 1/8-in., 1/16-in., 1/32-in., cm and mm graduations are permanently etched in stainless steel blade.
- Heavy-duty aluminum anvil has self-adjusting draw bolt for easy adjustment and set-up.
- Hardened steel scribe, for making clean markings and lines, stored in anvil.
- Precision-machined surfaces ensure accuracy.



Professional Grade Aluminum Torpedo Level

- Professional Grade Solid Aluminum Frame.
- 3 Easy-Read Vials with White Surrounds.
- V-grooved working edge for use on pipe and conduit.



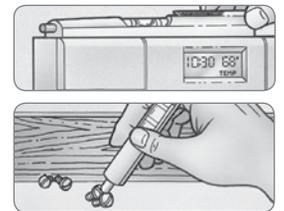
Magnetic Aluminum Torpedo Level with Superior Holding Power!

- Full Length Magnetic Strip.
- Professional Grade Solid Aluminum Frame.
- 3 Easy-Read Vials with White Surrounds.
- V-grooved working edge for use on pipe and conduit.



Pocket Level

- Strong Magnetic pick-up tip.
- V-Grooved edge fits pipe and conduit.
- Use to check electrical boxes and thermostats
- Durable Plastic molded frame.



| Catalog Number | Description | Line Length in. (mm) | Number of Vials | Net Weight oz. (g) |
|----------------|--|-------------------------|-----------------|-----------------------|
| L5 | Pocket Level with Magnetic Tip | 5 (127) | 1 | — |
| L9 | 9 in. Top Reading Torpedo Level | 9 (229) | 3 | — |
| L9M | 9 in. Top Reading Torpedo Level with Magnetic Base | 9 (229) | 3 | — |
| SCS12 | 12 in. with solid mounted vial | — | — | 12 (340) |

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.

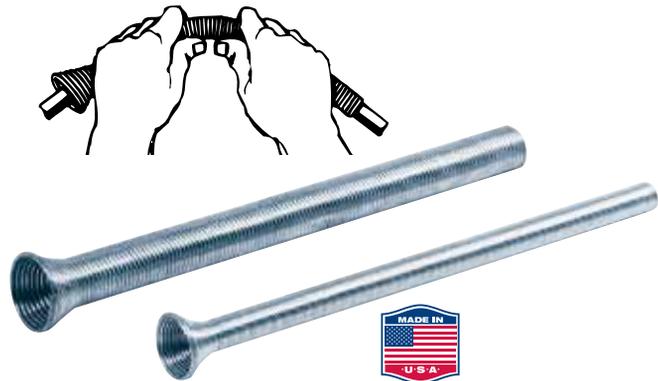
Fin Straightening Tools



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 in. (6.4 mm) size.

| Catalog Number | Description | Tubing Outside Diameter in. (mm) |
|----------------|---|----------------------------------|
| AC310 | 1-1/2 in. x 10 yds. (38.1 mm x 9.14 m) brown roll | — |
| AC5M | 1-1/2 in. x 5 yds. (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 (*SEE NOTE ABOVE) | — |

Hex Keys and Wrenches

| Catalog Number | W19 | W29 | W45 | W48 |
|--------------------------------------|--------------|---------------|-------------|------------|
| Description | Small Pocket | Deluxe Pocket | Large Sizes | Extra Long |
| Handle Length | 3-5/8 in. | 4-1/4 in. | 5-1/4 in. | 5-1/4 in. |
| Number of Keys | 9 | 9 | 5 | 8 |
| Hex Sizes - Width Across Flats (in.) | | | | |
| | .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 | — |

Produced from tough alloy steel



W29

Hex Corners of keys are sharp and clean. Finish is black oxide.

Flat spring holds keys in any work position.

Smooth zinc plated case can be used as handle for extra leverage.



Refrigeration Length Hex Keys

Available in 6 and 12 in. long series. Tough alloy steel with black oxide finish in clear storage tube.



W6
9 Piece Set
6 in. Length

W12
7 Piece Set
Big 12 in. Length



Ball Tip Wrench Set WBL12S

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

Tough alloy steel.
Black oxide Finish



Cushioned Gripped Hex Key Sets

Big 6 and 9 inch sets consist of 8 sizes: 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32 and 1/4 in.

WT6SG
6 in. Long "T" Handle Keys
8 Sizes (3/32 - 1/4 in.)

WT9SG
9 in. Long "T" Handle Keys
8 Sizes (3/32 - 1/4 in.)

| | |
|---------|-------------------------------------|
| WT618G | 1/8" T-Hex Key 6" long. Individual |
| WT918G | 1/8" T-Hex Key 9" long. Individual |
| WT6532G | 5/32" T-Hex Key 6" long. Individual |
| WT9532G | 5/32" T-Hex Key 9" long. Individual |
| WT6316G | 3/16" T-Hex Key 6" long. Individual |
| WT9316G | 3/16" T-Hex Key 9" long. Individual |

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

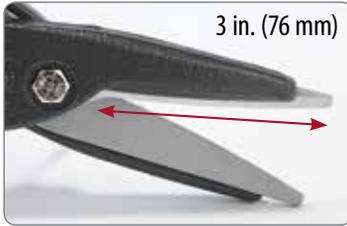
| Catalog Number | Description |
|--------------------------------|--|
| WT6SG | 6 in. Long T Handle Keys, 8 Sizes (3/32 - 1/4 in.) |
| Individual 6 in. Long Wrenches | |
| WT618G | 1/8 in. T-Hex Key 6 in. long |
| WT6532G | 5/32 in. T-Hex Key 6 in. long |
| WT6316G | 3/16 in. T-Hex Key 6 in. long |

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

Multiple Purpose Andy Snips



Lightweight 12 in. (31 cm) aluminum handled combination snip, features a BIG 3 in. (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.



3 in. (76 mm)



MV12

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

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



Heavy Vinyl Siding



Aluminum Trim Coil



Landscape Edging



Vinyl Flooring



Carpet



Leather

| 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 | | | | |

Driver Bit Pouch



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.

Driver Bit Pouch fits cordless or corded drills. Elastic slots allow user to conveniently store up to four 1/4-in shank bits on the drill. Durable elastic bands easily loop around motor housing to securely hold the durable 600 x 600 thread synthetic fabric pouch flush in place.

| 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) | — |
| 1660 | Tote Tray | 15 x 10 x 4-1/2 (38 x 25 x 11) | — | — | 1.75 (0.79) |

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 bite into palm of hand.

Electrical Pliers

PC9



Up Front Crimping Action

Insulated and uninsulated terminal and splice crimper 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.

WSC8



Cutter / Stripper / Crimper

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.

WSC1S



Combination AWG-Metric

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

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.

| Catalog Number | Description | Nominal Overall Length (in.) | Bit Dia. (in.) | Shank Dia. (in.) |
|----------------|---------------------------|------------------------------|----------------|------------------|
| RP01 | Carbide Tipped Rotary Bit | 3 | 1/8 | 1/8 |
| RP04 | Carbide Tipped Rotary Bit | 3-5/16 | 3/16 | 3/16 |
| RP09 | Carbide Tipped Rotary Bit | 4 | 1/4 | 1/4 |
| RP10 | Carbide Tipped Rotary Bit | 6 | 1/4 | 1/4 |
| RP18 | Carbide Tipped Rotary Bit | 4-3/4 | 5/16 | 5/16 |
| RP46 | Carbide Tipped Rotary Bit | 6 | 1/2 | 3/8 |

Spade Type Wood Bits



WB6K
Wood Bit Kit

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 in. shank fits securely in conventional chucks. Easy to spot "size marking" is stamped on head. Resharpener with saw file or grinder. Available individually or in sets.

| Catalog Number | Description | Diameter in. | Overall Length in. (mm) | Shank Dia. in. |
|----------------|--|--------------|-------------------------|----------------|
| WB38 | Spade Type Wood Bit | 3/8 | 3/8 | 1/4 |
| WB12 | Spade Type Wood Bit | 1/2 | 1/2 | 1/4 |
| WB58 | Spade Type Wood Bit | 5/8 | 5/8 | 1/4 |
| WB34 | Spade Type Wood Bit | 3/4 | 3/4 | 1/4 |
| WB78 | Spade Type Wood Bit | 7/8 | 7/8 | 1/4 |
| WB1 | Spade Type Wood Bit | 1 | 1 | 1/4 |
| WB118 | Spade Type Wood Bit | 1-1/8 | 1-1/8 | 1/4 |
| WB114 | Spade Type Wood Bit | 1-1/4 | 1-1/4 | 1/4 |
| WB112 | Spade Type Wood Bit | 1-1/2 | 1-1/2 | 1/4 |
| WB6K | 6 piece set: 3/8, 1/2, 5/8, 3/4, 7/8 and 1 in. | | | |

| 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) |

Guillotine Shear for Laminate Flooring

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

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



FCC6

Malco ... by EDMA

- 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

Utility Caulking Gun



CG10

Flexible / Lightweight Caulking Gun



CG12

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

Easy Dispensing Caulking Gun

Designed for longer dispensing life



Includes Puncture Wire

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.

Professional Caulking Gun

Square Piston Design



CG20

Minimizes worker fatigue. User can regulate stroke to fit hand. Handy puncture wire folds inside handle.

| Catalog Number | Description | 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) | — |
| FCC6 | Laminate Flooring Guillotine | Laminate Flooring | — | — | — | — | 22 (9.98) |

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 (10 pack)
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)



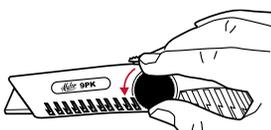
UBH5 (5 pack)

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.



| 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) |

The Beast Shingle Remover



THE
BEAST



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 in. (1.22 m) or 58 in. (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

Steel Handle
48 in. (1.22 m)

SB48A

Fiberglass Handle
48 in. (1.22 m)

3 position adjustable head makes the SB48A ideal for handling any roof pitch.



Position 1



Position 2



Position 3



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

| 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 Sweep

Hand Held

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.



Magnetic

MS12



Powerful Magnetic Surface efficiently picks up debris.



Quick Release Sleeve allows debris to be easily removed.

| Catalog Number | Description | Tool Length. in. (cm.) | Net Wt. lbs. (kg) |
|--------------------------|--------------------------|---------------------------|----------------------|
| MS12 | Hand Held Magnetic Sweep | 34-1/2 (88) | 5.0 (2.27) |
| Replacement Parts | | | |
| MS12RK | MS12 Magnets | | |
| MS12RS | MS12 Replacement Sleeve | | |

Natural Slate Hand Tools

Rock Solid Solutions for Natural Roofing Slate

Slate Cutter



*Traditional Hand Cut Look
Serrated upper jaw grips backside of slate
for controlled non-slip cutting.*

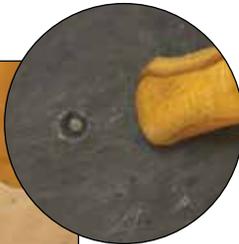
The compact, lightweight NSC1 EV Slate Cutter makes easy work of fitting a slate roofing tile with a quick re-sizing trim or a cut-out to accommodate a structure. The blade of this precision hand tool accurately navigates edge cuts, cleanly notches out square corners or cuts circle diameters as tight as 4 inches (102 mm). With the flat, unfinished side of the slate facing up, the tool's serrated, high carbon steel blade securely grips the unfinished surface to make a desirable chiseled cut look from the finished side of 4 - 8 mm natural roofing slate. Hardened all-steel construction with rust-resistant nickel plate and black oxide finishes ensures long service life.



NSC1 EV

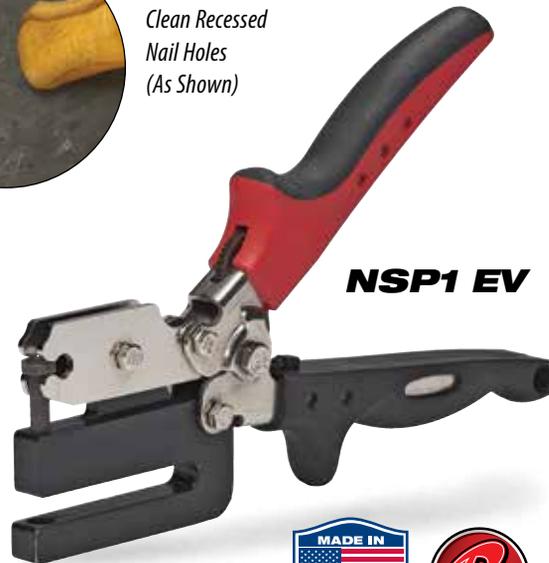


Slate Punch



*Clean Recessed
Nail Holes
(As Shown)*

The NSP1 EV Slate 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. Hardened all-steel construction with rust-resistant nickel plate and black oxide finishes ensures long service. The tool steel punch component is also replaceable.



NSP1 EV



| Catalog Number | Description | Cutting Capacity Natural Roofing Slate | Tool Length in. (mm) | Net Wt. oz. (g) |
|----------------|--------------|---|-------------------------|--------------------|
| NSC1 EV | Slate Cutter | 4 - 8 mm | 8-3/4 (222) | 14 (397) |
| NSP1 EV | Slate Punch | 4 - 8 mm | 9-1/2 (241) | 23 (652) |

Replacement Parts

NSP1RP EV Replacement Punch for NSP1 EV



Stone Coated Steel Roofing Cutter

Makes fast, safe, precise cuts in stone coated steel shingles, shakes and tile style roofing, including DECRA, METRO and GERARD brands up to 30% easier than other guillotines.

30% Easier!

Compound leverage and a generous handle length reduce user cutting force up to 30% versus other guillotine style cutters that pose a challenge to even the most seasoned pros. The shingle, including lock seam, is cut in one easy, steady motion. The shearing action has a “wiping” effect on the shingle’s zinc coating that seals the cut edge to resist rust.



SCSRC1

The steel shingle, including lock seam, is cut in an easy, steady motion. The shearing action has a “wiping” effect on the shingle’s zinc coating that seals cut edge to resist rust.

Large table surface allows sure control and prevents damage to work-piece.



A hardened steel blade and die offer reversible cutting edges for twice the cutting life, prior to sharpening. With the blade lock-pin in place, this portable cutter is safe to transport and sets up virtually anywhere on the job site. Designed with two different length leg tubes provides the user with two height options. A large table surface allows sure handed control and prevents damage to the work-piece. The table’s “feed-thru” design also allows long angle cuts for roof hips and valleys.



Reversible Cutting Edges on hardened steel blade and die offer twice the cutting life, prior to sharpening. Blade and die are also easily replaceable!



With blade lock-pin in place, this cutter is safe to carry on to the job site.



Short Legs

Long Legs

Sturdy frame with two different length leg tubes provides working table height options of 21-1/4 or 29-1/4 inches.

| Catalog Number | Description | Cutting Application | Adjustable Table Heights in. (mm) | Net Weight lbs. (kg) | Replacement Blade and Die Set |
|----------------|-----------------------------------|-------------------------------------|-----------------------------------|----------------------|-------------------------------|
| SCSRC1 | Stone Coated Steel Roofing Cutter | Stone Coated Steel Roofing Shingles | 21-1/4 — 29-1/4 (540 — 743) | 70 (32) | SCSRC1RB |

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