



HVAC

TOOL BOOK



LEADERS OF INNOVATION FOR 75 YEARS



Work. Perform. Outlast.

In 1950, Mark Keymer, a young steel supply salesman, manufactured and marketed a pipe crimper he had invented for installing metal ductwork in heating systems. He insisted on quality construction, setting the benchmark for the new company. The rest is Malco history. Customer brand loyalty, carefully cultivated over the past 75 years, reflects Malco's commitment to innovative, dependable, high-performance hand tools and accessories for specialized markets in the heating, ventilation, air-conditioning, and refrigeration (HVACR) industry; exterior remodeling field, including roofing, siding, and gutter installation; fence, deck, and rail installation. We create work saving products that make the tough jobs easier. The pros do more, Malco distributors sell more.



Proudly Supporting The Trades

Malco is proud to support students learning a trade and the hard-working professionals who use Malco tools day in and day out. Each school term, Malco recognizes outstanding graduating students in the HVAC / sheet metal and building construction fields through the Head of the Class Student Recognition Program.

Milestone

Malco will be celebrating 75 years with some exciting contests in 2025, visit our website www.malcotools.com for more info!



The History of Malco.....

Malco is Born

Mark Keymer, a steel supply salesman, founds Malco in 1950 and establishes a legacy of innovation, efficiency, and quality.



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

Company Growth

The 60s were comprised of continued company growth, personally training sales reps, new product development/updates, and ramping up trade show attendance.

Malco's sales rep force, an essential link to wholesale distribution, grows to provide national coverage. Mark started hosting educational "Tool School" sessions to enhance product knowledge and high customer service standards.

To further enhance user efficiency and control, sleek vinyl grips were added to existing compound leverage tools.



The Move West

The 70s included the big move to Annandale, MN, which is where the current U.S. Malco headquarters is located, as well as entering a new product market, releasing Zip-in® Screws, and experiencing a shift in leadership.



Mark Keymer retires as president with his son Gerry taking leadership.

Big Changes

The 80s brought big changes to Malco's internal processes and packaging, which streamlined plant operations and enhanced distributor merchandising efforts.

The first skin carding line begins operation in the Packaging Department. The peggable packaging was designed to enhance product visibility, enabling wholesale distributors to have more effective merchandising.

Malco invests in internal systems and in-house educational programs on Manufacturing Resource Planning,



Just-In-Time Production System, and Statistical Process Control.

1950s

1960s

1970s

1980s

What's your favorite Malco Tool?

AVs® Snips

"My offset AVs. Both red and greens are in my bag that goes into every service call/install right off the back. Extremely versatile tools."



C-RHEX® Cleanable-Reversible, Magnetic Hex Drivers

"C-RHEX 1/4 to 5/16 or 5/16 to 3/8 my new favorite 3/8 to 7/16. I don't have to carry multiple Hex drivers."



Hand Seamers

"Hand seamers, they are just plain better than any other brand."



TurboShears®

"I would have to say TurboShears because they are fun to use and make cutting sheet metal quicker and easier. I like how effortlessly they cut through material."



TurboCrimper®

"Malco TurboCrimper. It crimps faster and better than anything else I've ever used."



Setting Hammer

"I have owned a Malco Setting Hammer for my whole 20 year career. Malco makes tools that last."



"My Andy Snips. They were some of the first tools I ever bought and I have never replaced the blades. It still cuts as good as if it was brand new."



A Shift in Ownership

Many big milestones occurred in the 90s, with Malco revolutionizing their product development and purchasing process, releasing many new tools, going online, and shifting ownership.

On the eve of Malco's 50th anniversary, Gerry Keymer sells his share of the company to begin the process of transferring ownership of Malco to an Employee Stock Ownership Plan (ESOP).



Innovation

Malco entered the 21st century with breakthrough innovation and student recognition. This decade features the release of the original TurboShear® drill attachment that sparked the development of other power-assisted tools, the creation of ergonomic Redline® Handles, and the introduction of the "Head of the Class" Program.



C-RHEX®unleashed

This recent decade encompassed a new market venture, exciting product updates/releases, enhanced sustainability initiatives, majority employee ownership, and company awards.

Malco introduces an exclusive, dual-sided 1/4 in. and 5/16 in. C-RHEX® Cleanable, Reversible Magnetic Hex Driver with 2 in. length that rapidly becomes a best-selling tool in the HVAC market.



Currently....

Malco was acquired by Aspen Pumps Group in 2024. The acquisition resulted in tremendous value for Malco's ESOP participants. With outstanding strategic, cultural and commercial synergies, Malco becomes the headquarters for Aspen Pumps Group North America securing future growth.



1990s

2000s

2010s

2020s

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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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How to Videos:

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.

Customer Service:

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

U.S.: customerservice@malcotools.com

International: international@malcotools.com

Distributor Locator:

To locate a Malco Distributor nearest you, go to www.malcotools.com, click on "Where to Buy." Search our comprehensive network to find a Malco dealer near you or browse through our online vendors.

Impact Rated for Durability and Reliability



MTP2
#2 Phillips



MTS2
#2 Robertson
(Square)



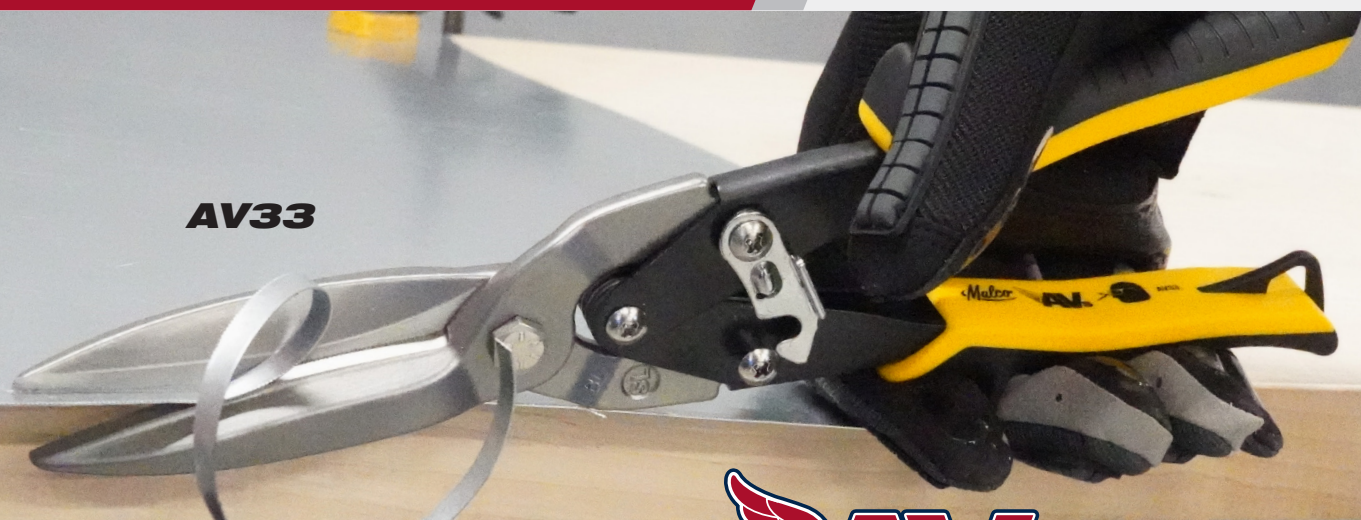
MTT25
T25
(Star)

AWARD WINNING



SEE PAGE 12

AV33



Long Cut  **AV₃**

AV63



Longer & Faster Cuts

AV73



SEE PAGE 37

Hex Driver Guide

COLOR KEY		Cleanable-Reversible™		Standard	Standard
✓✓✓	Best Application	Cleanable-Reversible™		Standard	Standard
✓✓	Better Application	Cleanable-Reversible™		Standard	Standard
✓	Good Application	Cleanable-Reversible™		Standard	Standard
FASTENER TYPE		Cleanable-Reversible™	Cleanable-Reversible™	Standard	Standard
	Sheet Metal Fasteners (HVAC) (Zip-Ins® Bit-Tips® etc.)	STANDARD MAGNET DEPTH	DEEPER MAGNET DEPTH (REDUCED STICKING & MARRING OF PAINTED FASTENERS)	STANDARD HEX DRIVERS STANDARD MAGNET DEPTH	COBLUE! SPRING LOADED MAGNET (SELF-ADJUSTS)
		✓✓✓	✓	✓✓	✓✓
	High Head Fasteners (pole barn screws)	✓	✓✓✓	✓	✓✓
	Heavy Impact Fasteners (lag and concrete screws)	✓✓✓	✓	✓✓	✓✓✓
	Screw Head Height >0.10"	✓	✓✓✓	✓	✓✓✓



U.S. Patent No. 10,328,554

1/4 & 5/16 in.



IMPACT RATED

3/8 & 5/16 in.



Specifications

*DISTRIBUTORS ENTER PO IN INCREMENTS OF 36

C-RHEX® Cleanable, Reversible, Magnetic Hex Drivers (SAE)

Catalog Number	Description	Color Coded	Reaction	Hex Opening in. (mm)	Insert Dia. in. (mm)	Nose Dia. in. (mm)	O/A Length in. (mm)
MSHC*	Cleanable, Reversible Hex Driver	Red / Yellow	Magnetic	Red 1/4 / Yellow 5/16 (6.35-7.93)	1/4 (6.35)	1/2 (12.7)	2 (50.8)
MSHLC*	Cleanable, Reversible Hex Driver	Red / Yellow	Magnetic	Red 1/4 / Yellow 5/16 (6.35-7.93)	1/4 (6.35)	1/2 (12.7)	2-5/8 (66.675)
MSHMLC*	Cleanable, Reversible Hex Driver	Red / Yellow	Magnetic	Red 1/4 / Yellow 5/16 (6.35-7.93)	1/4 (6.35)	1/2 (12.7)	4 (101.6)
MSHXLC*	Cleanable, Reversible Hex Driver	Red / Yellow	Magnetic	Red 1/4 / Yellow 5/16 (6.35-7.93)	1/4 (6.35)	1/2 (12.7)	6 (152.4)
MSHC1*	Cleanable, Reversible Hex Driver	Blue / Yellow	Magnetic	Blue 3/8 / Yellow 5/16 (9.525-7.9375)	1/4 (6.35)	1/2 (12.7)	2 (50.8)
MSHLC1*	Cleanable, Reversible Hex Driver	Blue / Yellow	Magnetic	Blue 3/8 / Yellow 5/16 (9.525-7.9375)	1/4 (6.35)	1/2 (12.7)	2-5/8 (66.675)
MSHMLC1*	Cleanable, Reversible Hex Driver	Blue / Yellow	Magnetic	Blue 3/8 / Yellow 5/16 (9.525-7.9375)	1/4 (6.35)	1/2 (12.7)	4 (101.6)
MSHXLC1*	Cleanable, Reversible Hex Driver	Blue / Yellow	Magnetic	Blue 3/8 / Yellow 5/16 (9.525-7.9375)	1/4 (6.35)	1/2 (12.7)	6 (152.4)

U.S. Patent No. 10,328,554

Magnetic!**C-RHEX**
Cleanable-Reversible™**IMPACT RATED****6 & 8mm**MSHCM1
2 in.MSHMLCM1
4 in.MSHXLCM1
6 in.**Works on all
brands of fasteners!****IMPACT RATED****7 & 8mm**MSHCM3
2 in.MSHMLCM3
4 in.MSHXLCM3
6 in.**Works on all
brands of fasteners!****IMPACT RATED****8 & 10mm**MSHCM2
2 in.MSHMLCM2
4 in.MSHXLCM2
6 in.**Works on all
brands of fasteners!****Specifications**

* DISTRIBUTOR BUY INCREMENT 36

C-RHEX® Cleanable, Reversible, Magnetic Hex Drivers (Metric)

Catalog Number	Description	Color Coded	Reaction	Hex Opening mm	Insert Dia. in. (mm)	Nose Dia. in. (mm)	O/A Length in. (mm)
MSHCM1*	Cleanable, Reversible Hex Driver	Red / Yellow	Magnetic	Red 6 / Yellow 8	1/4 (6.35)	1/2 (12.7)	2 (50.8)
MSHMLCM1*	Cleanable, Reversible Hex Driver	Red / Yellow	Magnetic	Red 6 / Yellow 8	1/4 (6.35)	1/2 (12.7)	4 (101.6)
MSHXLCM1*	Cleanable, Reversible Hex Driver	Red / Yellow	Magnetic	Red 6 / Yellow 8	1/4 (6.35)	1/2 (12.7)	6 (152.4)
MSHCM2*	Cleanable, Reversible Hex Driver	Yellow / Blue	Magnetic	Yellow 8 / Blue 10	1/4 (6.35)	1/2 (12.7)	2 (50.8)
MSHMLCM2*	Cleanable, Reversible Hex Driver	Yellow / Blue	Magnetic	Yellow 8 / Blue 10	1/4 (6.35)	1/2 (12.7)	4 (101.6)
MSHXLCM2*	Cleanable, Reversible Hex Driver	Yellow / Blue	Magnetic	Yellow 8 / Blue 10	1/4 (6.35)	1/2 (12.7)	6 (152.4)
MSHCM3*	Cleanable, Reversible Hex Driver	Orange / Yellow	Magnetic	Orange 7 / Yellow 8	1/4 (6.35)	1/2 (12.7)	2 (50.8)
MSHMLCM3*	Cleanable, Reversible Hex Driver	Orange / Yellow	Magnetic	Orange 7 / Yellow 8	1/4 (6.35)	1/2 (12.7)	4 (101.6)
MSHXLCM3*	Cleanable, Reversible Hex Driver	Orange / Yellow	Magnetic	Orange 7 / Yellow 8	1/4 (6.35)	1/2 (12.7)	6 (152.4)



**Featuring
Deeper Sockets for
Higher-Head Fasteners**

**Designed with deeper
sockets than our classic
C-RHEX® drivers**

IMPACT RATED

Magnetic!



**Works on all
brands of fasteners!**



1/4" & 5/16"



MSHC2
2 in.



MSHXC2
6 in.



MSH3XC2
10 in.



MSHMLC2
4 in.



MSH2XC2
8 in.



MSH4XC2
12 in.

3/8" & 7/16"



MSHC3
2 in.



MSHMLC3
4 in.



MSHXC3
6 in.



Specifications

*DISTRIBUTORS ENTER PO IN INCREMENTS OF 36

**SINGLE HANG TAG PACKAGING SOLD IN INCREMENTS OF 1

C-RHEX® Cleanable, Reversible, Magnetic Hex Drivers (SAE)

Catalog Number	Description	Reaction	Hex Opening in. (mm)	Insert Dia. in. (mm)	Nose Dia. in. (mm)	O/A Length in. (mm)
MSHC2*	Cleanable, Reversible Hex Driver	Magnetic	● 1/4 & 5/16 (6.35-7.93)	1/4 (6.35)	1/2 (12.7)	2 (50.8)
MSHMLC2*	Cleanable, Reversible Hex Driver	Magnetic	● 1/4 & 5/16 (6.35-7.93)	1/4 (6.35)	1/2 (12.7)	4 (101.6)
MSHXC2*	Cleanable, Reversible Hex Driver	Magnetic	● 1/4 & 5/16 (6.35-7.93)	1/4 (6.35)	1/2 (12.7)	6 (152.4)
MSH2XC2**	Cleanable, Reversible Hex Driver	Magnetic	● 1/4 & 5/16 (6.35-7.93)	1/4 (6.35)	1/2 (12.7)	8 (203.2)
MSH3XC2**	Cleanable, Reversible Hex Driver	Magnetic	● 1/4 & 5/16 (6.35-7.93)	1/4 (6.35)	1/2 (12.7)	10 (254)
MSH4XC2**	Cleanable, Reversible Hex Driver	Magnetic	● 1/4 & 5/16 (6.35-7.93)	1/4 (6.35)	1/2 (12.7)	12 (304.8)
MSHC3**	Cleanable, Reversible Hex Driver	Magnetic	● 3/8 & 7/16 (9.53-11.11)	1/4 (6.35)	5/8 (15.9)	2 (50.8)
MSHMLC3**	Cleanable, Reversible Hex Driver	Magnetic	● 3/8 & 7/16 (9.53-11.11)	1/4 (6.35)	5/8 (15.9)	4 (101.6)
MSHXC3**	Cleanable, Reversible Hex Driver	Magnetic	● 3/8 & 7/16 (9.53-11.11)	1/4 (6.35)	5/8 (15.9)	6 (152.4)
IMSHC2**	Cleanable, Reversible Hex Driver	Magnetic	● 1/4 & 5/16 (6.35-7.93)	1/4 (6.35)	1/2 (12.7)	2 (50.8)
IMSHMLC2**	Cleanable, Reversible Hex Driver	Magnetic	● 1/4 & 5/16 (6.35-7.93)	1/4 (6.35)	1/2 (12.7)	4 (101.6)
IMSHXC2**	Cleanable, Reversible Hex Driver	Magnetic	● 1/4 & 5/16 (6.35-7.93)	1/4 (6.35)	1/2 (12.7)	6 (152.4)



Magnetic!

Cuts through soft and hardened sealant for rapid fastener removal!

- Deep Magnet = Less Cleaning
- Fast Socket Clean Out
- Cleanable-Reversible Socket



HVAC
Application



Roofing
Application

1/4" & 5/16"



IMPACT RATED

3/8" & 7/16"



Specifications

C-RHEX® Sawtooth Cleanable, Reversible, Magnetic Hex Drivers (SAE)

Catalog Number	Description	Reaction	Hex Opening in. (mm)	Insert Dia. in. (mm)	Nose Dia. in. (mm)	O/A Length in. (mm)
MSHCST	Cleanable, Reversible Hex Driver	Magnetic	1/4 & 5/16 (6.35-7.93)	1/4 (6.35)	1/2 (12.7)	2 (50.8)
MSHXCST	Cleanable, Reversible Hex Driver	Magnetic	1/4 & 5/16 (6.35-7.93)	1/4 (6.35)	1/2 (12.7)	6 (152.4)
MSHCST3	Cleanable, Reversible Hex Driver	Magnetic	3/8 & 7/16 (9.53-11.11)	1/4 (6.35)	5/8 (15.9)	2 (50.8)
MSHXCST3	Cleanable, Reversible Hex Driver	Magnetic	3/8 & 7/16 (9.53-11.11)	1/4 (6.35)	5/8 (15.9)	6 (152.4)


IMPACT RATED
NEW PRODUCT!

The Malco 7-in-1 Flip Bit is the top pick for Trade Pros. With seven essential functions all built right into its compact size, it's a whole toolkit built for on-the-go Trade Pros. Manufactured with superior-quality materials and packed with useful features, this tool is proven to perform on the job site.


MTP2
#2 Phillips

MTS2
#2 Robertson
(Square)

MTT25
T25
(Star)

Cleanable, Reversible, Stackable:

Easy maintenance and versatile storage


Secure Precise Fit:

Reduced screw wobble, slipping, and tip-out


Color-Coded Sockets:

Quick socket size identification


Ultra-Powerful Magnet:

Ensures a secure hold for hassle-free fastening


Secure Socket Storage Retention:

C-RHEX® sockets stay securely stored on the shaft


Impact Rated:

Works with any driver or can be used with the CONNEXT3® handle by Malco



Handle sold separately. See page 48-49 for CONNEXT handles.


Specifications
C-RHEX® Cleanable, Reversible, Magnetic 7-in-1 Sets

Catalog Number	Description	Reaction	Hex Opening in. (mm)	O/A Length in. (mm)
MTP2	7-in-1 Flip Bit Set, #2 Phillips	Magnetic	1/4 & 5/16 (6.3-7.9), 11/32 & 3/8 (8.7-9.5), 7/16 & 1/2 (11.1-12.7)	4-3/4 (120.6)
MTS2	7-in-1 Flip Bit Set, #2 Robertson	Magnetic	1/4 & 5/16 (6.3-7.9), 11/32 & 3/8 (8.7-9.5), 7/16 & 1/2 (11.1-12.7)	4-3/4 (120.6)
MTT25	7-in-1 Flip Bit Set, T25	Magnetic	1/4 & 5/16 (6.3-7.9), 11/32 & 3/8 (8.7-9.5), 7/16 & 1/2 (11.1-12.7)	4-3/4 (120.6)



Perfectly Paired for Maximum Accessibility and Productivity!

- **C-RHEX® Hex Drivers** feature reversible 1/4 & 5/16 inch and 5/16 & 3/8 inch hex sockets for quick changes between sizes
- Varying lengths and slim 1/4 & 5/16 inch hex sockets allow easy access to tight areas
- Built with an easy-clean magnet, eliminate pesky metal shavings by removing the socket and wiping with a glove or shop towel
- One-piece driver strength
- **CONNEXT® Handles** are shock and shatter proof.
- Handles feature a quick connector mechanism for fast hex driver changes
- Premium Zipper Pouch has belt clip and carabiner for portability, built-in magnetic panel to hold fasteners, and velcro pouch on the front for extra storage

Specifications

Catalog
Number

Description

CRHEXKIT1 Five C-RHEX® Cleanable, Reversible, Magnetic Hex Drivers with 1/4 & 5/16 in. hex sizes in 2 in. (MSHC), 4 in. (MSHMLC), and 6 in. (MSHXL) lengths and 5/16 & 3/8 in. hex sizes in 2 in. (MSHC1), and 6 in. (MSHXL1) lengths.

CRHEXKIT2 Five C-RHEX® Cleanable, Reversible, Magnetic Hex Drivers with 1/4 & 5/16 in. hex sizes in 2 in. (MSHC), 4 in. (MSHMLC), and 6 in. (MSHXL) lengths and 5/16 & 3/8 in. hex sizes in 2 in. (MSHC1), and 6 in. (MSHXL1) lengths and two CONNEXT® Quick Change Handles (CONNEXT1) standard, and (CONNEXT2) Stubby handles.

CRHEXKIT1
(5 Piece Kit)



5
Piece
Kit

CRHEXKIT2
(7 Piece Kit)



includes
CONNEXT
Quick Change Handles



7
Piece
Kit



+ Zip-in®

U.S. Patent No.
10,328,554**Eliminate Magnet Damage.**

The Ultimate System is designed to eliminate magnet damage. C-RHEX 1/4 in. and 5/16 in. hex drivers perfectly fit Zip-in and Bit-Tip screws without touching & damaging the magnet.

Save Time and Money!

The Ultimate System extends the life-span of C-RHEX hex drivers, while using the most trusted sheet metal screws on the market!

- Malco's exclusive, dual-sided magnetic hex drivers are simple to change hex sizes with 2-EZ Technology.
- Easily remove metal shavings from the magnet by removing the socket and wiping it off!



Zip-in®

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. They are also faster driving, with a greater capacity for fastening heavier gauges of sheet metal than any other self-drilling type.

1.) Burr Free Hex Washer Slotted Head

- One 1/4 in. hex driver accommodates tall sizes of Zip-in screws.
- Full 1/4 in. (No. 8) head will not strip out of hex driver opening at any ring operation.

2.) Undercut-Indented Hex Washer Slotted Head

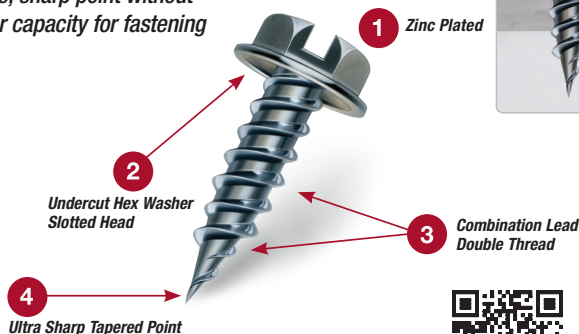
- Undercut - Always seats flush.

3.) Combination Lead Double Thread

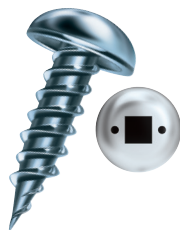
- Starting thread machined down to very tip of screw point.
- Instantly penetrates and engages in heavy gauge sheet metal and layered light gauge.

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®.

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**Plastic Anchors / Kits**

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.

Drill-In
Screws
Type A,
Single
Thread



Painted
Sheet
Metal
Screws

Packaged in
Bags and Tubs.

Zip-in®

Self-Piercing Sheet Metal Screws



CRHEX + Zip-in®
Cleanable-Reversible

Specifications

Bulk	Bulk Qty.	Pail	Pail Qty.	Tub	Tub Qty.	Bag	Bag Qty.	Head Color	Head Size	Type
Zip-in® Screws										
HW6X3/8Z	18,000			HW6X3/8ZT	1,000	HW6X3/8ZG	100	○ Zinc Plated	1/4 in.	Slotted Hex
HW7X1/2Z	15,000	HW7X1/2ZP	7,500	HW7X1/2ZT	1,000	HW7X1/2ZG	100	○ Zinc Plated	1/4 in.	Slotted Hex
HW8X1/2Z	12,000	HW8X1/2ZP	7,000	HW8X1/2ZT	1,000	HW8X1/2ZG	100	○ Zinc Plated	1/4 in.	Slotted Hex
HW8X3/4Z	10,000	HW8X3/4ZP	5,000	HW8X3/4ZT	1,000	HW8X3/4ZG	100	○ Zinc Plated	1/4 in.	Slotted Hex
HW8X1Z	7,000	HW8X1ZP	3,500	HW8X1ZT	500	HW8X1ZG	100	○ Zinc Plated	1/4 in.	Slotted Hex
HW8X11/2Z	4,500	HW8X1-1/2ZP	2,250	HW8X11/2ZT	250	HW8X11/2ZG	50	○ Zinc Plated	1/4 in.	Slotted Hex
HW8X2Z	2,300	HW8X2ZP	1,400	HW8X2ZT	250	HW8X2ZG	50	○ Zinc Plated	1/4 in.	Slotted Hex
HW10X1/2Z	10,000			HW10X1/2ZT	1,000	HW10X1/2ZG	100	○ Zinc Plated	1/4 in.	Slotted Hex
HW10X3/4Z	8,000			HW10X3/4ZT	1,000	HW10X3/4ZG	100	○ Zinc Plated	1/4 in.	Slotted Hex
HW10X1Z	6,000			HW10X1ZT	500	HW10X1ZG	100	○ Zinc Plated	1/4 in.	Slotted Hex
Zip-in® Square Pan Head Robertson® Style Screws										
PS8X1/2Z	12,000			PS8X1/2ZT	1,000			○ Zinc Plated	#2	Pan Square
Zip-in® White Painted Register Screws										
HW8X11/2ZW	4,500			HW8X11/2ZWT	250	HW8X11/2ZWG	50	○ White	1/4 in.	Slotted Hex
HW8X2ZW	2,300			HW8X2ZWT	250	HW8X2ZWG	50	○ White	1/4 in.	Slotted Hex
HW8X3ZW				HW8X3ZWT	150	HW8X3ZWG	25	○ White	1/4 in.	Slotted Hex
P08X2ZW	2,300			P08X2ZWT	250	P08X2ZWG	50	○ White	#2	Phillips
Zip-in® Painted Sheet Metal Screws										
HW6X3/8ZRB	18,000			HW6X3/8ZRB	1,000	HW6X3/8ZRBG	100	● Royal Brown (RB)	1/4 in.	Slotted Hex
HW6X3/8ZW	18,000			HW6X3/8ZWT	1,000	HW6X3/8ZWG	100	○ White (W)	1/4 in.	Slotted Hex
HW7X1/2ZRB				HW7X1/2ZRB	1,000	HW7X1/2ZRBG	100	● Royal Brown (RB)	1/4 in.	Slotted Hex
HW7X1/2ZW				HW7X1/2ZWT	1,000	HW7X1/2ZWG	100	○ White (W)	1/4 in.	Slotted Hex
HW8X3/4ZRB				HW8X3/4ZRB	1,000	HW8X3/4ZRBG	100	● Royal Brown (RB)	1/4 in.	Slotted Hex
HW8X3/4ZW				HW8X3/4ZWT	1,000	HW8X3/4ZWG	100	○ White (W)	1/4 in.	Slotted Hex
HW8X1ZRB	7,000			HW8X1ZRB	500	HW8X1ZRBG	100	● Royal Brown (RB)	1/4 in.	Slotted Hex
HW8X1ZW	7,000			HW8X1ZWT	500	HW8X1ZWG	100	○ White (W)	1/4 in.	Slotted Hex
Drill-in Screws, Type A, Single Thread										
HW10X1-1/2	3,500			HW10X11/2T	250	HW10X11/2G	50	○ Zinc Plated	5/16	Slotted Hex
HW10X2	2,400			HW10X2T	250	HW10X2G	40	○ Zinc Plated	5/16	Slotted Hex
HW12X2	1,800			HW12X2T	250	HW12X2G	25	○ Zinc Plated	5/16	Slotted Hex

Specifications

Tub Number	Tub Qty.	Bag Number	Bag Qty.	Anchor Size	Screw Size	For Screw Size	Uses Bit Diameter	Anchor Kit Quantity
Red Lip Plastic Anchors								
PA810T	1,000	PA810G	100	3/16 x 7/8 in.		8-9-10	3/16 in.	—
PA1012T	500	PA1012G	75	1/4 x 1 in.		10-12	1/4 in.	—
Red Lip Plastic Anchor Kits with Slotted Panhead Screws								
PA1012K	—	—	—	1/4 x 1 in.	SP10x1-1/4	—	1/4 in.	100
Red Lip Plastic Anchor Kits with White Hex Washer Head Screws								
PA1012KW	—	—	—	1/4 x 1 in.	HW10x1Z	—	1/4 in.	100



+ Bit-Tip®

U.S. Patent No.
10,328,554**Eliminate Magnet Damage.**

The Ultimate System is designed to eliminate magnet damage. C-RHEX® 1/4 in. and 5/16 in. hex drivers perfectly fit Zip-in® and Bit-Tip® screws without touching & damaging the magnet.

Save Time and Money!

The Ultimate System extends the life-span of C-RHEX® hex drivers, while using the most trusted sheet metal screws on the market!

- Malco's exclusive, dual-sided magnetic hex drivers are simple to change hex sizes with 2-EZ Technology.
- Easily remove metal shavings from the magnet by removing the socket and wiping it off!



Bit-Tip® 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.

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.

Choose from
Hex or Slotted



Top View



Hex Washers



Top View



Hex Slotted Washers

**The Bit-Tip Difference!**

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.

U.S. Patent No.
D524,638

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

Bit-Tip®

Drill & Tap

Screws

Industrial Applications:

- Structural / Layered Metal
- Duct Work



CRHEX + Bit-Tip®
Cleanable-Reversible

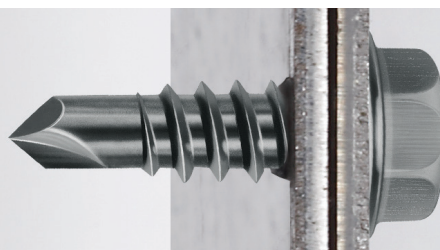
Specifications

Bulk	Bulk Qty	Pail	Pail Qty.	Tub	Tub Qty.	Bag	Bag Qty.	Head Type	Screw Size	Driver Size	Material Thickness*
Bit-Tip® Screws (#2 Point)											
BT131	10,000			BT131T	1,000	BT131G	100	Hex Washer	8-18x1/2	1/4	.035-.100
BT132	10,000			BT132T	500	BT132G	100	Hex Washer	8-18x5/8	1/4	.035-.100
BT133	10,000			BT133T	500	BT133G	100	Hex Washer	8-18x3/4	1/4	.035-.100
BT134	8,000			BT134T	500	BT134G	100	Hex Washer	8-18x1	1/4	.035-.100
BT141	10,000			BT141T	500	BT141G	100	Hex Washer	10-16x1/2	5/16	.035-.110
BT142	8,000			BT142T	500	BT142G	100	Hex Washer	10-16x5/8	5/16	.110-.175
BT143	7,000	BT143P	3,000	BT143T	500	BT143G	100	Hex Washer	10-16x3/4	5/16	.110-.175
BT231	10,000			BT231T	1,000	BT231G	100	Slotted Hex	8-18x1/2	1/4	.035-.100
BT233	10,000			BT233T	500	BT233G	100	Slotted Hex	8-18x3/4	1/4	.035-.100
Bit-Tip® Screws (#3 Point)											
BT144	5,000			BT144T	500	BT144G	100	Hex Washer	10-16x1	5/16	.110-.175
BT153	5,000			BT153T	500	BT153G	100	Hex Washer	10-24x3/4	5/16	.110-.175
BT156	3,500			BT156T	500	BT156G	50	Hex Washer	10-24x1-1/2	5/16	.110-.175
Bit-Tip® Screws (#3 Point)											
BT163	6,000			BT163T	500	BT163G	100	Hex Washer	12-14x3/4	5/16	.110-.210
BT164	4,000			BT164T	500	BT164G	100	Hex Washer	12-14x1	5/16	.110-.210

* 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										Tensil Strength	Torsional Strength	
			26	24	22	20	18	16	14	13	1/8	10	3/16	lbs.	in.- lbs.
8	18	#2	150	187	289	334	507	643	977					1,575	42
10	16	#2	145	235	295	364	572	708	1,015	1,972				2,100	61
	24	#3								1,528	2,120	2,199		2,350	65
12	14	#3								1,541	1,990	2,650	3,515	2,800	92





CONNEXT®

- *Ratcheting Handle*
- *Professional Kits*
- *Handles & Hex Drivers*
- *Individual Components*

CONNEXT® 3 Ratcheting Handle



Magnetic!

CONNEXT® Ratcheting Handle and Professional Kits

Magnetic Hex Driver Kits. Whole Kits feature popular assortments of handles and magnetic hex chuck driver shafts in a premium zipper pouch with belt clip and carabiner for portability, built-in magnetic panel to hold fasteners, and velcro pouch on the front for extra storage

Versatile 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. The 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.



CONNEXT® 4 9 Piece Hex Hand Driver Kit:

CONNEXT 1 Standard Handle CONNEXT 2 Stubby Handle CONNEXT 3 Ratcheting Handle
MSH14 • MSH516 • MSHL14 • MSHL516 •
MSHXL14 • MSHXL516

CONNEXT® 5 12 Piece Hex Hand Driver Kit:

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



CONNEXT® Handles with Hex Drivers

Hex Hand Drivers shown here are sold pre-assembled and packaged as one product, but handles and hex drivers are also available separately.
(See page 53)



Individual Hex Drivers

Hex Drivers shown here are sold separately. See page 23 for bulk packages.



CONNEXT® Replacement Handles

Clear, molded acetate grips are shock-proof, shatter-proof and fluted to fit any hand. Including ratcheting handle!



Specifications

CONNEXT® Magnetic Stubby Length Hex 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)	Overall Length in. (cm)	Shaft Replacement #
HHD1T	CONNEXT® Stubby Hex Hand Driver	●	Magnetic	1/4	1/4 (6.35)	7/16 (11.125)	11/16 (17.4625)	2-1/4 (57.15)	4-1/8 (104.775)	MSH14
HHD2T	CONNEXT® Stubby Hex Hand Driver	●	Magnetic	5/16	1/4 (6.35)	1/2 (12.7)	11/16 (17.4625)	2-1/4 (57.15)	4-1/8 (104.775)	MSH516
HHD3T	CONNEXT® Stubby Hex Hand Driver	●	Magnetic	3/8	1/4 (6.35)	9/16 (14.2875)	11/16 (17.4625)	2-1/4 (57.15)	4-1/8 (104.775)	MSH38

CONNEXT® Standard Magnetic Hex 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)	Overall Length in. (mm)	Shaft Replacement #
HHD1S	CONNEXT® Standard Lgth. Hex Hand Driver	●	Magnetic	1/4	1/4 (6.35)	7/16 (11.125)	11/16 (17.4625)	3 (76.2)	7-1/8 (180.975)	MSHL14
HHD2S	CONNEXT® Standard Lgth. Hex Hand Driver	●	Magnetic	5/16	1/4 (6.35)	1/2 (12.7)	11/16 (17.4625)	3 (76.2)	7-1/8 (180.975)	MSHL516
HHD3S	CONNEXT® Standard Lgth. Hex Hand Driver	●	Magnetic	3/8	1/4 (6.35)	9/16 (14.2875)	11/16 (17.4625)	3 (76.2)	7-1/8 (180.975)	MSHL38

CONNEXT® Long Magnetic Hex 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)	Overall Length in. (mm)	Shaft Replacement #
HHD1	CONNEXT® Long Hex Hand Driver	●	Magnetic	1/4	1/4 (6.35)	7/16 (11.125)	11/16 (17.4625)	6-7/8 (174.625)	10-1/2 (266.7)	MSHL14
HHD2	CONNEXT® Long Hex Hand Driver	●	Magnetic	5/16	1/4 (6.35)	1/2 (12.7)	11/16 (17.4625)	6-7/8 (174.625)	10-1/2 (266.7)	MSHL516
HHD3	CONNEXT® Long Hex Hand Driver	●	Magnetic	3/8	1/4 (6.35)	9/16 (14.2875)	11/16 (17.4625)	6-7/8 (174.625)	10-1/2 (266.7)	MSHL38

Short Magnetic Hex Drivers

Catalog Number	Description	Color Coded	Reaction	Hex Opening in.	Insert Dia. in. (mm)	Nose Dia. in. (mm)	Overall Length in. (mm)	Distributor Buy Qty.	2 Pack
MSH14	Short Magnetic Hex Driver	●	Magnetic	1/4	1/4 (6.35)	7/16 (11.125)	1-3/4 (44.45)	10	MSH14P
MSH14T	Short Magnetic Hex Driver (TUB of 100)	●	Magnetic	1/4	1/4 (6.35)	7/16 (11.125)	1-3/4 (44.45)	100	
MSH516	Short Magnetic Hex Driver	●	Magnetic	5/16	1/4 (6.35)	1/2 (12.7)	1-3/4 (44.45)	10	MSH516P
MSH516T	Short Magnetic Hex Driver (TUB of 100)	●	Magnetic	5/16	1/4 (6.35)	1/2 (12.7)	1-3/4 (44.45)	100	
MSH38	Short Magnetic Hex Driver	●	Magnetic	3/8	1/4 (6.35)	9/16 (14.2875)	1-3/4 (44.45)	10	MSH38P

Long Magnetic Hex Drivers

Catalog Number	Description	Color Coded	Reaction	Hex Opening in.	Insert Dia. in. (mm)	Nose Dia. in. (mm)	Overall Length in. (mm)	Distributor Buy Qty.	2 Pack
MSHL14	Long Magnetic Hex Driver	●	Magnetic	1/4	1/4 (6.35)	7/16 (11.125)	2-9/16 (65.0875)	5	MSHL14P
MSHL14T	Long Magnetic Hex Driver (TUB of 50)	●	Magnetic	1/4	1/4 (6.35)	7/16 (11.125)	2-9/16 (65.0875)	50	
MSHL516	Long Magnetic Hex Driver	●	Magnetic	5/16	1/4 (6.35)	1/2 (12.7)	2-9/16 (65.0875)	5	MSHL516P
MSHL516T	Long Magnetic Hex Driver (TUB of 50)	●	Magnetic	5/16	1/4 (6.35)	1/2 (12.7)	2-9/16 (65.0875)	50	
MSHL38	Long Magnetic Hex Driver	●	Magnetic	3/8	1/4 (6.35)	9/16 (14.2875)	2-9/16 (65.0875)	5	MSHL38P
MSHL716	Long Magnetic Hex Driver	●	Magnetic	7/16	1/4 (6.35)	11/16 (17.4625)	2-9/16 (65.0875)	5	MSHL716P

Extra Long Magnetic Hex Drivers

Catalog Number	Description	Color Coded	Reaction	Hex Opening in.	Insert Dia. in. (mm)	Nose Dia. in. (mm)	Overall Length in. (mm)	Distributor Buy Qty.
MSHML14	Extra Long Magnetic Hex Driver	●	Magnetic	1/4	1/4 (6.35)	7/16 (11.125)	4 (101.6)	1
MSHXL14	Extra Long Magnetic Hex Driver	●	Magnetic	1/4	1/4 (6.35)	7/16 (11.125)	6 (152.4)	1
MSHXL14T	Extra Long Magnetic Hex Driver (TUB of 50)	●	Magnetic	1/4	1/4 (6.35)	7/16 (11.125)	6 (152.4)	50
MSHML516	Extra Long Magnetic Hex Driver	●	Magnetic	5/16	1/4 (6.35)	1/2 (12.7)	4 (101.6)	1
MSHXL516	Extra Long Magnetic Hex Driver	●	Magnetic	5/16	1/4 (6.35)	1/2 (12.7)	6 (152.4)	1
MSHXL516T	Extra Long Magnetic Hex Driver (TUB of 50)	●	Magnetic	5/16	1/4 (6.35)	1/2 (12.7)	6 (152.4)	50
MSHXL38	Extra Long Magnetic Hex Driver	●	Magnetic	3/8	1/4 (6.35)	9/16 (14.2875)	6 (152.4)	1

CONNEXT® 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)	Overall Length in. (mm)
CONNEXT1	Quick-Change Standard Handle	1-1/8 (28.575)	4-1/8 (104.775)	1/4	11/16 (17.4625)	1-1/8 (28.575)	5-1/4 (133.35)
CONNEXT2	Quick-Change Stubby Handle	1-1/8 (28.575)	1-7/8 (47.625)	1/4	11/16 (17.4625)	1-1/8 (28.575)	3-1/8 (79.375)

CONNEXT® Quick-Change Ratcheting Handle

Catalog Number	Description	Driving Positions	Torque Capacity	Grip Dia. in. (mm)	Grip Length in. (mm)	Holder I.D. in.	Holder O.D. in. (mm)	Holder Length in. (mm)	Overall Length in. (mm)
CONNEXT3	Ratcheting Style Handle Long	Forward, Reverse, Locked	Comp. 1/2 solid shaft	1-1/8 (28.575)	4-1/8 (104.775)	1/4 Hex	5/8 (15.875)	1-5/8 (41.275)	6-3/8 (161.925)

Magnetic!

GO BLUE!

HEX CHUCK DRIVERS

IMPACT RATED

- *Precise Machining for Fail-Proof Fastener Engagement*
- *Spring Loaded Magnet (self-adjusts)*



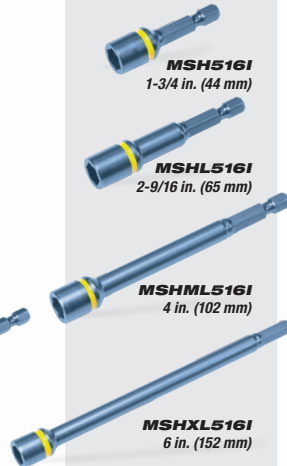
**Impact Rated Hex Drivers,
Square, Phillips, and Star
Bits and Hex Drivers.**

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.

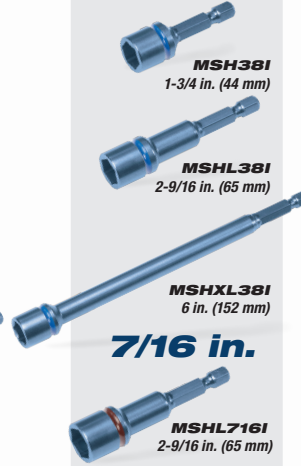
1/4 in.



5/16 in.

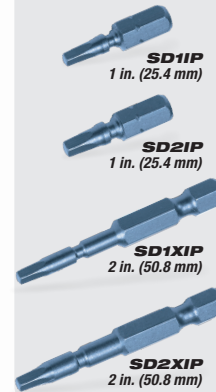


3/8 in.

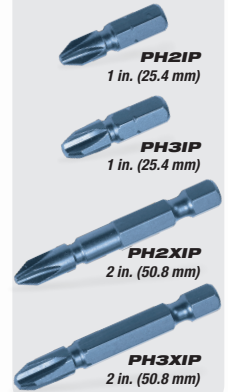


7/16 in.

**Square
Insert & Power Bits**



**Phillips
Insert & Power Bits**



Star

Insert & Power Bits



Specifications

Catalog Number	Description	Point Size	HEX Insert in. (mm)	OA Length in. (mm)	Qty.	Catalog Number	Description	Color Coded	Hex Opening in.	HEX Insert in. (mm)	Reaction	Nose Diameter in. (mm)	OA Length in. (mm)	Qty.
Square Insert Bits						Short Magnetic Hex Drivers								
SD1IP	Square Insert Bit	#1	1/4 (6.35)	1 (25.4)	3	MSH14I	Short Magnetic Hex Driver	Red	1/4	1/4 (6.35)	Magnetic	7/16 (11.125)	2 (50.8)	10
SD2IP	Square Insert Bit	#2	1/4 (6.35)	1 (25.4)	3	MSH14IS	Short Magnetic Hex Driver	Red	1/4	1/4 (6.35)	Magnetic	7/16 (11.125)	2 (50.8)	1
Square Power Bits						MSH14IT	Short Magnetic Hex Driver	Red	1/4	1/4 (6.35)	Magnetic	7/16 (11.125)	2 (50.8)	100
SD1XIP	Square Power Bit	#1	1/4 (6.35)	2 (50.8)	3	MSH516I	Short Magnetic Hex Driver	Yellow	5/16	1/4 (6.35)	Magnetic	1/2 (12.7)	2 (50.8)	10
SD2XIP	Square Power Bit	#2	1/4 (6.35)	2 (50.8)	3	MSH516IS	Short Magnetic Hex Driver	Yellow	5/16	1/4 (6.35)	Magnetic	1/2 (12.7)	2 (50.8)	1
Phillips Insert Bits						MSH516IT	Short Magnetic Hex Driver	Yellow	5/16	1/4 (6.35)	Magnetic	1/2 (12.7)	2 (50.8)	100
PH2IP	Phillips Insert Bit	#2	1/4 (6.35)	1 (25.4)	3	MSH38I	Short Magnetic Hex Driver	Blue	3/8	1/4 (6.35)	Magnetic	9/16 (14.2875)	2 (50.8)	10
PH3IP	Phillips Insert Bit	#3	1/4 (6.35)	1 (25.4)	3	MSH38IS	Short Magnetic Hex Driver	Blue	3/8	1/4 (6.35)	Magnetic	9/16 (14.2875)	2 (50.8)	1
Phillips Power Bits						Long Magnetic Hex Drivers								
PH2XIP	Phillips Power Bit	#2	1/4 (6.35)	2 (50.8)	3	MSHL14IS	Long Magnetic Hex Driver	Red	1/4	1/4 (6.35)	Magnetic	7/16 (11.125)	2-9/16 (65.1)	1
PH3XIP	Phillips Power Bit	#3	1/4 (6.35)	2 (50.8)	3	MSHL14IT	Long Magnetic Hex Driver	Red	1/4	1/4 (6.35)	Magnetic	7/16 (11.125)	2-9/16 (65.1)	50
Star Insert Bits						MSHL516I	Long Magnetic Hex Driver	Yellow	5/16	1/4 (6.35)	Magnetic	1/2 (12.7)	2-9/16 (65.1)	10
TX10IP	Star Insert Bit	T10	1/4 (6.35)	1 (25.4)	3	MSHL516IS	Long Magnetic Hex Driver	Yellow	5/16	1/4 (6.35)	Magnetic	1/2 (12.7)	2-9/16 (65.1)	1
TX15IP	Star Insert Bit	T15	1/4 (6.35)	1 (25.4)	3	MSHL516IT	Long Magnetic Hex Driver	Yellow	5/16	1/4 (6.35)	Magnetic	1/2 (12.7)	2-9/16 (65.1)	50
TX20IP	Star Insert Bit	T20	1/4 (6.35)	1 (25.4)	3	MSHL38I	Long Magnetic Hex Driver	Blue	3/8	1/4 (6.35)	Magnetic	9/16 (14.2875)	2-9/16 (65.1)	10
TX25IP	Star Insert Bit	T25	1/4 (6.35)	1 (25.4)	3	MSHL38IS	Long Magnetic Hex Driver	Blue	3/8	1/4 (6.35)	Magnetic	9/16 (14.2875)	2-9/16 (65.1)	1
TX27IP	Star Insert Bit	T27	1/4 (6.35)	1 (25.4)	3	MSHL716I	Long Magnetic Hex Driver	Brown	7/16	1/4 (6.35)	Magnetic	11/16 (17.4625)	2-9/16 (65.1)	10
TX30IP	Star Insert Bit	T30	1/4 (6.35)	1 (25.4)	3	MSHL716IS	Long Magnetic Hex Driver	Brown	7/16	1/4 (6.35)	Magnetic	11/16 (17.4625)	2-9/16 (65.1)	1
Star Power Bits						Extra Long Magnetic Hex Drivers								
TX10XIP	Star Power Bit	T10	1/4 (6.35)	2 (50.8)	3	MSHML14IS	Extra Long Magnetic Hex Driver	Red	1/4	1/4 (6.35)	Magnetic	7/16 (11.125)	4 (101.6)	1
TX15XIP	Star Power Bit	T15	1/4 (6.35)	2 (50.8)	3	MSHXL14IS	Extra Long Magnetic Hex Driver	Red	1/4	1/4 (6.35)	Magnetic	7/16 (11.125)	6 (152.4)	1
TX20XIP	Star Power Bit	T20	1/4 (6.35)	2 (50.8)	3	MSHXL14IT	Extra Long Magnetic Hex Driver	Red	1/4	1/4 (6.35)	Magnetic	7/16 (11.125)	6 (152.4)	50
TX25XIP	Star Power Bit	T25	1/4 (6.35)	2 (50.8)	3	MSHML516IS	Extra Long Magnetic Hex Driver	Yellow	5/16	1/4 (6.35)	Magnetic	1/2 (12.7)	4 (101.6)	1
TX27XIP	Star Power Bit	T27	1/4 (6.35)	2 (50.8)	3	MSHXL516IS	Extra Long Magnetic Hex Driver	Yellow	5/16	1/4 (6.35)	Magnetic	9/16 (14.2875)	6 (152.4)	1
TX30XIP	Star Power Bit	T30	1/4 (6.35)	2 (50.8)	3	MSHXL516IT	Extra Long Magnetic Hex Driver	Yellow	5/16	1/4 (6.35)	Magnetic	9/16 (14.2875)	6 (152.4)	50
						MSHXL38IS	Extra Long Magnetic Hex Driver	Blue	3/8	1/4 (6.35)	Magnetic	9/16 (14.2875)	6 (152.4)	1

in. = inches, OA = Overall

in. = inches, OA = Overall

Robertson® Square Head Power Bits



Hex Shank Phillips Inserts and Bits



Specifications

Robertson® Style Square Head Hex Bits

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

Catalog Number	Description	Point Size	Color	Insert Dia. in. (mm)	Overall Length in. (mm)	Qty.
SD1	Square Head Hex Bit	#1	Green	1/4	1-3/4 (44.45)	10
SD1P	Square Head Hex Bit	#1	Green	1/4	1-3/4 (44.45)	2
SD2	Square Head Hex Driver	#2	Red	1/4	1-3/4 (44.45)	10
SD2P	Square Head Hex Driver	#2	Red	1/4	1-3/4 (44.45)	2
SDX1	Square Head Hex Driver	#1	Green	1/4	2-1/2 (63.5)	10
SDX1P	Square Head Hex Driver	#1	Green	1/4	2-1/2 (63.5)	2
SDX2	Square Head Hex Driver	#2	Red	1/4	2-1/2 (63.5)	10
SDX2P	Square Head Hex Driver	#2	Red	1/4	2-1/2 (63.5)	2

1/4 in. Hex Shank Phillips Bits

MBSP2	Hex Shank Phillips Insert Bit	#2	—	1/4	1 (24.5)	
MBLP2	Hex Shank Phillips Driver	#3	—	1/4	1-15/16 (49.21)	
MBLP3	Hex Shank Phillips Driver	#2	—	1/4	1-15/16 (49.21)	
MBLP4	Hex Shank Phillips Driver	#2	—	1/4	2-3/4 (69.85)	

IMPACT RATED QUICK-CHANGE EXTENSION BITS



One-Handed Quick Release!

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 Rated Steel Construction

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

CONNEXT³
Ratcheting Handle
(See Page 48)



Specifications

Quick-Action Extension Bits

Catalog Number	Description	Hex Opening in.	Shank Dia. in.	Nose Dia. in. (mm)	Overall Length in. (mm)
BHE3	Extension Bit (3 in.)	1/4	1/4	5/8 (15.9)	3 (76.2)
BHE6	Extension Bit (6 in.)	1/4	1/4	5/8 (15.9)	6 (152.4)
BHE10	Extension Bit (10 in.)	1/4	1/4	5/8 (15.9)	10 (254)
BHE12	Extension Bit (12 in.)	1/4	1/4	5/8 (15.9)	12 (304.8)



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

Magnetic! Bit Holder

1/4-inch hex shank designed for any hex shank insert bit. Extends the length of reach a full 3 inches.



Specifications

Magnetic Bit Holder

Catalog Number	Description	Hex Opening in.	Shank Dia. in.	Nose Dia. in. (mm)	Overall Length in. (mm)
MBH14	Magnetic Bit Holder	1/4	1/4	7/16 (11.125)	3 (76.2)

4 in 1 Nut Driver

Quickly change hex sizes.

Malco's exclusive, dual-sided magnetic hex drivers fit over a magnet-tipped, ball locking hex shaft, and can be quickly reversed to change sizes.

**4
HEX Sizes**

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



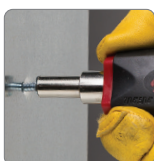
Positive Lock

A quick-release, secure positive lock secures telescoping shaft in position and prevents collapsing when forceful in-line pressure is applied during use.



3 Position Combinations

The 4-in-1 Nut Driver is perfect for pocket or pouch, and offers superior performance, ease of use and long service life. The driver shaft can be extended or retracted to produce three different end to end combinations: 1/4 and 5/16 in.; 3/8 and 5/16 in.; and 1/4 and 7/16 in.



Sure Fastener Engagement

Hardened chrome vanadium steel sockets offer sure fastener engagement and control. The comfortable 3-lobe handle is made of high-torque ABS plastic, and a non-slip TPR over-molded grip offers additional comfort and control on the job.



Two Package Types

*Available in Single Packs
and 12 Pack Box Display!*



4IN1

Nut Driver

Catalog Number	Description	Tool Length Hex Sizes	Net Weight in. (mm)	oz. (g)	Qty.
4IN1	4IN1 Nut Driver	1/4, 5/16, 3/8, 7/16 in.	5-1/4 (133.35)	7 (199)	12 (display box)
RD6	4IN1 Nut Driver (Single)	1/4, 5/16, 3/8, 7/16 in.	5-1/4 (133.35)	7 (199)	1

6 in 1 Reversible Driver

Six different Head Styles with one Tool!

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.



RD6

Reversible Driver

Catalog Number	Description	Bit Styles	Tool Length in. (mm)
RD6	6IN1 Reversible Driver	1/4 - 5/16, 3/16 - 9/32 in., #1 - #2 Phillips	7 (177.8)



IMPACT RATED

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

Malco Hole Cutters are the longest lasting, fastest cutting solution for cutting holes in sheet metal.*

*based on internal testing

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

HC1 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 standard, and both quickly install into the chuck of any impact or drill as small as 1/4 in. (6.35 mm).

The Real Difference Gold Standard Cutter Bits

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 single (CB), 6-pack (CBB), and 100-pack bulk tub (CB100).



Enlarged to show detail.

20 ga.
Capacity

Specifications



Catalog Number	Description	Steel Type	Hole Diameter in. (mm)	Net Wt. oz. (g)
HC1	Hole Cutter	—	2-12 (50.8-304.8)	16 (454)
HC2	Hole Cutter	—	2-20 (50.8-508)	22 (624)
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)	—	—

Metal Capacities

Material	Aluminum	Galvanized Steel 22 Gauge	Mild Steel 22 Gauge
inches (mm)	.054 (1.37)	.034 (.86)	.0299 (0.759)



CB
(Single)

CBB
(6-pack)



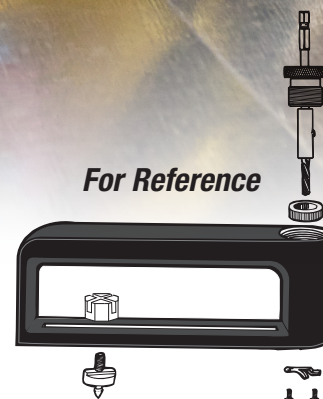
CB100
(100-pack tub)

Perfect Circles

EVERY TIME!

Lightweight aluminum frames make Malco hole cutters extremely portable for a variety of holes in sheet metal including 20-gauge (1.02 mm) galvanized steel.

For Reference



Replacement Parts



Hex Key is provided with purchase of new tool.

Replacement Parts

1. CB - Cutter Bit
2. HC1H - Screw Only
3. HC1E - Adjustment Sleeve (with screw included)
4. HC1D - Thrust Bearing
5. HC1K - Bearing
6. HC1G - Shoe
7. HC1I - Shoe Screw
8. HC1B - Pivot Pin Set

IMPACT RATED

**78%
Faster**

THAN A MANUAL
SHEET METAL
CRIMPING TOOL!

*verified by internal testing



5X Faster*

*based on internal testing



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 and 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. (minimum 3" pipe)

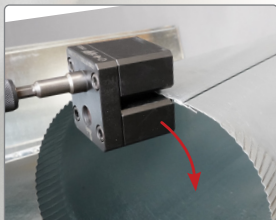
Storage? No Problem.

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

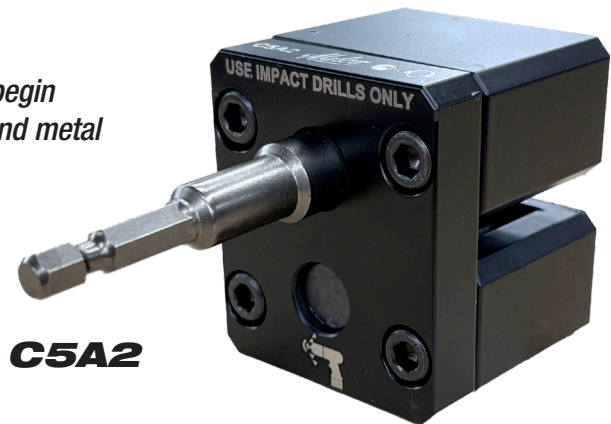
Operating Tips



Begin crimping at angle after crease



Exit crimping at slight angle before crease



C5A2

Overall Length: 4"
Throat Depth: 1.5"
Width of Jaw: 2"



Use Impact Driver Only!

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

C5A2

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				
C5A2RD EV	Replacement Drive Shaft			
Metal Capacities				
Material	Galvanized Steel 30-24 Gauge	Cold Rolled 30-24 Gauge		
inches (mm)	.016 - .028 (0.40-0.71)	.012 - .024 (0.30-0.61)		

Andy™ SNIP

MC12L

- Impressive maneuverability and superior material flow for up to 60%* faster cuts
- 45%* greater length of cuts vs. leading competition
- Cuts continuous radiuses half the size of leading competition with better cut quality*
- Replaceable upper blade that can easily be replaced in the field

*verified by internal testing

**OFFSET
DESIGN!**



Andy™ Snips

12 in.
HIGH CARBON
INSET BLADES
with sleek aluminum
frames for greater
maneuverability.

Sleek styling, easy blade replacement, and larger handles make Malco's 12 in. Andy™ Snips more versatile. Ideal as a vinyl siding snip or for cutting aluminum, copper, or sheet metal. A sleek head design improves maneuverability. A full 3 in. (76.2 mm) cutting length makes straight shearing with the Malco Andy™ Snip fast and easy.

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.

**M12NG
Gripped**



**MC12L
Offset**



**MC12NG
Gripped**



14 in.
HIGH CARBON
INSET BLADES
with big aluminum
frames for
longer cuts.

Malco's 14 in. Andy™ Snip are very versatile. A sleek head design improves maneuverability. Ideal for making cuts in tight material, shapes such as J-Channel. A full 3-1/4 in. (82.6 mm) cutting length makes straight shearing with the Malco Andy™ Snip fast and easy. Blade replacement is easily accomplished in the field.

M14N



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

MC14N



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

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

24 ga.
Capacity

Specifications

Catalog Number	Description	Length of Cut in. (mm)	Tool Length in. (mm)	Net Wt. oz. (g)	Replacement Blades	
M12N	Andy™ 12 in. (31 cm) Pattern Snip	3 (76.2)	12 (304.8)	16 (454)	M12NRB	
M12NG	Andy™ 12 in. (31 cm) Pattern Snip “Gripped”	3 (76.2)	12 (304.8)	20 (567)	M12NRB	
MC12L	Andy™ 12 in. (31 cm) Offset Left Snip	3 (76.2)	12 (304.8)	18 (510)	MC12LRB	
MC12N	Andy™ 12 in. (31 cm) Combination Snip	3 (76.2)	12 (304.8)	16 (454)	MC12NRB	
MC12NG	Andy™ 12 in. (31 cm) Combination Snip “Gripped”	3 (76.2)	12 (304.8)	20 (567)	MC12NRB	
M14N	Andy™ 14 in. (36 cm) Pattern Snip	3-1/4 (82.6)	14 (355.6)	20 (567)	M14NRB	
MC14N	Andy™ 14 in. (36 cm) Combination Snip	3-1/4 (82.6)	14 (355.6)	20 (567)	MC14NRB	
Metal and Vinyl Capacities						
Material	Vinyl	Aluminum	Copper	Annealed Stainless Steel 26 Gauge	Galvanized Steel 24 Gauge	Mild Steel 24 Gauge
inches (mm)	.055 (1.40)	.035 (0.89)	.023 (0.58)	.018 (0.46)	.028 (0.71)	.024 (0.61)

Andy™
CLASSIC

M14A



12in.

CLASSICS

with classic aluminum frames for greater maneuverability.

Andy™ Snips Classic

Original style handles make Malco's 14 in. Andy™ Classic snips the perfect addition to any tool bag. Ideal for cutting vinyl siding, aluminum, copper, and sheet metal. A full 3 in. (76.2 mm) cutting length makes straight shearing with the Malco Andy™ Snip fast and easy. Pressure-fit inset blades make replacement easy while out in the field.

M12A



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

MC12A



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

14in.

CLASSICS

with big aluminum classic frames for longer cuts.

Malco's original style handles make Malco's 14 in. Andy™ Classic snips the perfect addition to any tool bag. These snips are ideal for cutting vinyl siding, aluminum, copper, or sheet metal. A full 3 in. (76.2 mm) cutting length makes straight shearing with the Malco Andy™ Snip fast and easy. Blade replacement is easily accomplished in the field.

M14A



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

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

MC14A



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



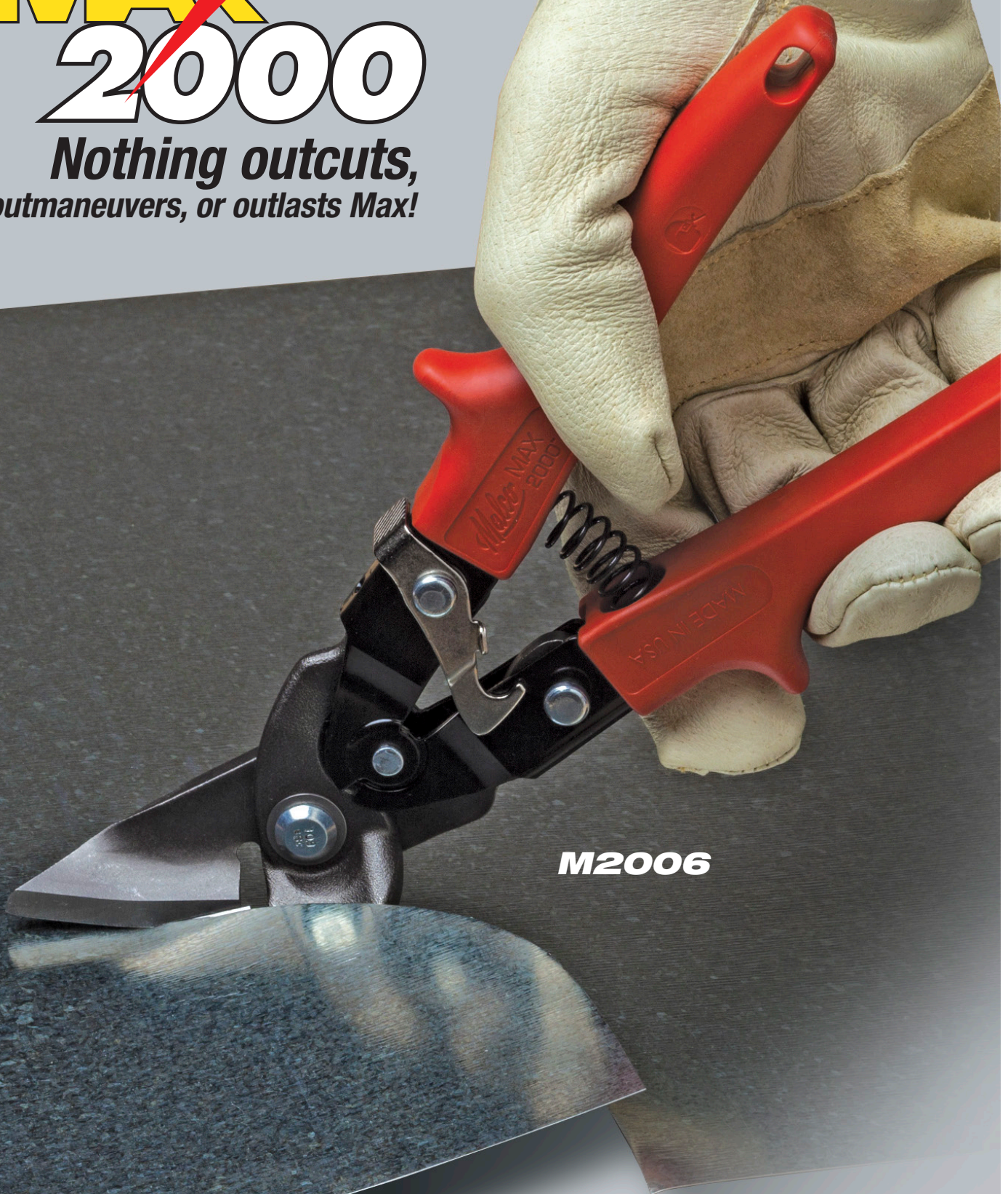
Specifications

Catalog Number	Description	Length of Cut in. (mm)	Tool Length in. (mm)	Net Wt. oz. (g)	Replacement Blades
M12A	Andy™ Classic 12 in. (31 cm) Pattern Snip	3 (76.2)	12 (304.8)	17 (482)	M12ARB
MC12A	Andy™ Classic 12 in. (31 cm) Combination Snip	3 (76.2)	12 (304.8)	17 (482)	MC12ARB
M14A	Andy™ Classic 14 in. (36 cm) Pattern Snip	3-1/4 (82.6)	14 (355.6)	22 (624)	M14ARB
MC14A	Andy™ Classic 14 in. (36 cm) Combination Snip	3-1/4 (82.6)	14 (355.6)	22 (624)	MC14ARB

Metal and Vinyl Capacities						
Material	Vinyl	Aluminum	Copper	Stainless Steel 26 Gauge	Galvanized Steel 24 Gauge	Mild Steel 24 Gauge
inches (mm)	.055 (1.40)	.035 (0.89)	.023 (0.58)	.018 (0.46)	.028 (0.71)	.024 (0.61)

MAX[®]
2000

*Nothing outcuts,
outmaneuvers, or outlasts Max!*



M2006

Max2000® Snips

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



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



M2004

Sharp Tipped
Center Jaw

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.

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.



Specifications

Catalog Number	Description	Cutting Application	Grip Color	Length of Cut in. (mm)	Tool Length in. (mm)	Net Wt. oz. (g)	Blade Length in. (mm)
M2001	Standard	Cuts Left	Red	1-3/8 (34.9)	10 (254)	14 (397)	2.5 (25.4)
M2002	Standard	Cuts Right	Green	1-3/8 (34.9)	10 (254)	14 (397)	2.5 (25.4)
M2003	Standard	Cuts Straight, Left and Right	Yellow	1-11/16 (42.9)	10 (254)	14 (397)	2.5 (25.4)
M2004	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, straight, and 5 in. (125 mm) dia. circles.	Red	1-1/4 (31.8)	10 (254)	16 (454)	
M2007	Offset	Cuts sharp right, straight, and 5 in. (125 mm) dia. circles.	Green	1-1/4 (31.8)	10 (254)	16 (454)	

Metal Capacities

	Material	Aluminum	Copper	Stainless Steel 22 Gauge	Galvanized Steel 22 Gauge	Mild Steel 22 Gauge
M2004	inches (mm)	.040 (1.02)	.034 (0.86)	—	.034 (0.86)	.030 (0.76)
	Material	Aluminum	Copper	Stainless Steel 20 Gauge	Galvanized Steel 18 Gauge	Mild Steel 18 Gauge
All other Max Snips	inches (mm)	.062 (1.57)	.054 (1.37)	.038 (0.97)	.054 (1.37)	.048 (1.22)

Replacement Spring

M2000S FITS ALL MODELS ON THIS PAGE



POWER-FIT™
PERFORMANCE HAND GRIPS

New Long Cut Models!



AV63

AVs® Series Snips Selection Guide

Malco AV Snip Type

Standard Cut AVs®

Mini AVs®

Long Cut AVs®



AV1	AV2	AV3	AV6	AV7	AV8	AV9	AVM6EV	AVM7EV	AV63	AV73	AV33	
Standard			Offset		Vertical		Offset		Offset		Standard	
Left	Right	Combo	Left	Right	Left	Right	Left	Right	Left	Right	Combo	
1-3/8"	1-3/8"	1-1/2"	1-1/4"	1-1/4"	1-3/8"	1-3/8"	3/4"	3/4"	2-1/4"	2-1/4"	3"	
9-5/8"	9-5/8"	9-7/8"	9-5/8"	9-5/8"	8-3/4"	8-3/4"	7-1/8"	7-1/8"	10-7/8"	10-7/8"	11-5/8"	
14	14	14	15	15	16	16	8	8	17	17	17	
Everyday Use - Standard Field Applications							Tight & Hard to Reach Locations		Faster Longer Cuts to Save Time			
Forged							Forged		Forged			
Aluminum - up to .062" (1.57mm) Copper - up to .054" (1.37mm) 20 ga. Stainless Steel 18 ga. Galvanized Steel 18 ga. Mild Steel					24 ga. Cold Rolled Steel 28 ga. Stainless Steel				Aluminum - up to .062" (1.57mm) Copper - up to .054" (1.37mm) 20 ga. Stainless Steel 18 ga. Galvanized Steel 18 ga. Mild Steel			

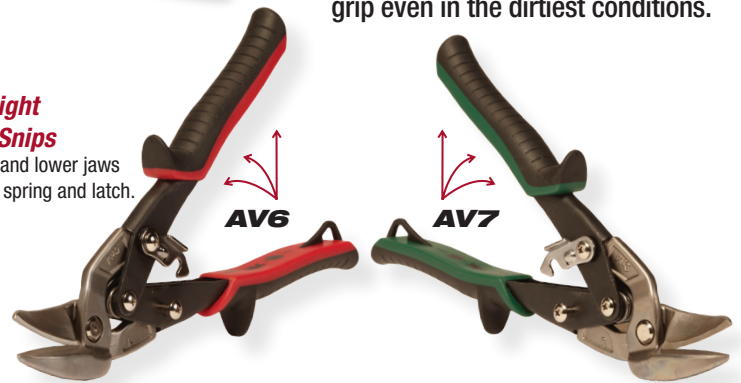
AVs® Left, Right & Combination Aviation Snips

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



AVs® Offset Right & Left Forged Snips

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



AVs® 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.



Vertical Aviation Snips











NEW PRODUCT!

AVs® Left Offset, Right Offset & Combination Long Cut Aviation Snips

Designed with long blades to promote longer and faster cuts to reduce time and fatigue on the job site.



Specifications

Catalog Number	Description	Cutting Application	Grip Color	Length of Cut in. (mm)	Tool Length in. (mm)	Net Wt. oz. (g)		
AV1	Standard	Left Cutting Aviation Snip		1-3/8 (34.9)	9-5/8 (245)	14 (397)		
AV2	Standard	Right Cutting Aviation Snip		1-3/8 (34.9)	9-5/8 (245)	14 (397)		
AV3	Standard	Cuts Straight, Left and Right		1-1/2 (38.1)	9-7/8 (251)	14 (397)		
AV6	Offset	Cuts sharp left, straight, and tight dia. circles		1-1/4 (31.8)	9-5/8 (245)	15 (425)		
AV7	Offset	Cuts sharp right, straight, and tight dia. circles		1-1/4 (31.8)	9-5/8 (245)	15 (425)		
AV8	Vertical	Left Cutting Vertical Aviation Snip		1-3/8 (34.9)	8-3/4 (222)	16 (454)		
AV9	Vertical	Right Cutting Vertical Aviation Snip		1-3/8 (34.9)	8-3/4 (222)	16 (454)		
AV63	Offset	Left Long Cut Aviation Snip		2-1/4 (57.15)	10-7/8 (276.2)	17 (481)		
AV73	Offset	Right Long Cut Aviation Snip		2-1/4 (57.15)	10-7/8 (276.2)	17 (481)		
AV33	Standard	Combo Long Cut Aviation Snip		3 (76.2)	11-5/8 (295.2)	17 (481)		
Metal 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.
AVs® Snips	in. (mm)	.062 (1.57)	.054 (1.37)	.036 (0.91)	.052 (1.32)	.048 (1.22)	—	—
AVs® Vertical AV8, AV9	in. (mm)	—	—	—	—	—	.024 (0.61)	.028 (0.38)



BIG

performance
miniaturized.



Only 7-1/8 in.

At only 7-1/8 inches (181 mm), the AVs® Mini easily goes to work 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.

Each snip is made with forged steel jaws that contain precision-ground serrations on the lower blade, which produces a sharply defined edge for cutting accuracy and control.



Specifications

Catalog Number	Description	Cutting Application	Grip Color	Length of Cut in. (mm)	Tool Length in. (mm)	Net Wt. oz. (g)
AVM6 EV	AVs® Mini	Left Cutting "MINI" Aviation Snip	Red	3/4 (19)	7-1/8 (181)	8 (227)
AVM7 EV	AVs® Mini	Right Cutting "MINI" Aviation Snip	Green	3/4 (19)	7-1/8 (181)	8 (227)
Metal Capacities						
Material	Cold Rolled Steel 24 ga.	Stainless Steel 28 ga.				
in. (mm)	.024 (0.61)	.028 (0.38)				



AVM6EV

AVM7EV



Ultra

Lightweight Snips

The ULC10 Ultra Lightweight Metal Cutting Snip offers a light, yet powerful option for cutting aluminum, and 26 gauge steel. The ULC10 has a strong, lightweight 10 inch polymer frame and is easy to grasp while making big 3 inch long controlled cuts. It also utilizes a fully threaded brass insert, thermally anchored in the blade area of the polymer frame. The insert offers greater holding power with no loss of thread integrity, resulting in superior performance.

- 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
- Includes a Full-Size Handle



Worry Free Blade Changes

A fully threaded brass insert thermally anchored in the blade area of the polymer frame for holding power and no loss of thread integrity.



ULC10

Ultra Lightweight Snip

Catalog Number	Description	Length of Cut in. (mm)	Tool Length in. (mm)	Net Wt. oz. (g)
ULC10	Metal Cutting, Combination Snip	3 (76)	10 (254)	9.5 (254)

Metal Capacities

	Material	Aluminum	Galvanized Steel 26 Ga.	Mild Steel 26 Ga.
ULC10	in. (mm)	.030 (0.76)	.020 (0.51)	.018 (0.46)

Replacement Blades

ULC10	MC12ARB
-------	---------

only
10
Ounces!

ULC10



Regular Pattern Snips

For straight cutting and wide curves.

M9

M15

Bulldog Snips

Big, powerful snip for straight cuts and notches.

MD10

MD12

Circular Duckbill Snips

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

Specifications

Pattern, Bulldog, and Duckbill Snips

Catalog Number	Description	Length of Cut in. (mm)	Tool Length in. (mm)	Net Wt. oz. (g)	Sheet Metal Capacity	Stainless Steel Capacity
M9	Regular Pattern Snip	3 (76.2)	12-1/2 (317.5)	27 (766)	18 gauge	22 gauge
M15	Bulldog Pattern Snip	2-1/2 (63.5)	16-1/2 (419.1)	59.2 (1678)	16 gauge	18 gauge
MD10	Circular "Duckbill" Snip	2-1/2 (63.5)	10 (254)	13 (369)	20 gauge	26 gauge
MD12	Circular "Duckbill" Snip	3 (76.2)	12-1/2 (317.5)	27 (766)	20 gauge	22 gauge

REDLINE®

HANDLES by Malco

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.

S2R



S2R The 3-1/4 in. (83 mm) seamer is designed for the metal trades including, HVACR installation, metal roofing, and siding applications.



S6R The BIG 6 in. (152 mm) seamer is a power house for folding large bends in galvanized sheet metal.



S5R Designed with Die-Cast Zinc jaws. These seamers easily make clean bends without ruining paint finishes.



3-1/4 in. Hand Seamers

3-1/4 in. (83 mm) Jaws with
1-1/4 inch (31.8 mm) Bending Depth

**6 in. Hand Seamers**

Big 6 in. (152 mm) Jaws with
1-1/4 inch (31.8 mm) Bending Depth

**3-1/4 in. Hand Seamers (Offset)**

3-1/4 in. (83 mm) Jaws with Offset Handles.
1-1/4 inch (31.8 mm) Bending Depth



Malco Hand Seamers with forged steel jaws, are the premier choice for bending, folding, flattening and straightening sheet metal edges or safely gripping and moving sheet metal around the job site.

Designed for the metal trades, including HVACR installation, roofing and siding applications, and commercial building and remodeling, these seamers are available in 3 inch (76.2 mm) and 6 inch (152.4 mm) jaw widths as well as an offset 3 inch (76.2 mm) size for overhead work. Depth markings graduated in 1/4 inch (6.4 mm) increments are complemented by

a powerful compound leverage design. Easily bend flanges or completely flatten seams from 1/4 to 1-1/4 inch (6.4-31.8 mm) deep in 24 gauge (0.71 mm) galvanized or (0.61 mm) mild steel. Hardened steel handles resist abuse. Powerful compound leverage design. Tool also features rust resistant nickel plating.

5 in. Hand Seamers

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

**9 in. Hand Seamers**

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



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.

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.

Specifications

Catalog Number	Description	Jaw Depth in. (mm)	Jaw Width in. (mm)	Variable Leverage Ratio (High / Low) throughout stroke	Jaws	Length in. (mm)	Net Wt. oz. (g)
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)
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)
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)
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)
Metal Capacities							
	Material	Aluminum	Copper	Stainless Steel 26 Gauge	Galvanized Steel 24 Gauge	Mild Steel 24 Gauge	
S2R / S6R / S3R	inches (mm)	.035 (0.89)	.023 (0.58)	.018 (0.46)	.028 (0.71)	.024 (0.61)	
S5R / S9R	inches (mm)	.029 (0.74)	—	—	—	—	
Replacement Spring							
5018	FITS ALL MODELS ON THIS PAGE						

REDLINE®

HANDLES by Malco

Easy Hand Motion and Greater Control:

A superior compound leverage mechanism offers maximum ease of operation. Comfortable opening and 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.



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



Both the **N1R** and **N2R** Notchers make Fast, Clean, 30° "V" shaped cuts for HVAC duct fabrication.



SL1R joins sheet metal, duct and pipe sections economically.

C5R



3-Blade Crimper

Ideal for crimping heavy 24 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.

5-Blade Crimper

Ideal for crimping heavy 24 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.

5-Blade Crimper (Offset)

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.

Hand Notcher (13/16 in.)

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.

Hand Notcher (1 in.)

The N2R Notcher punches a BIG 1 in. (25.4 mm) deep "V" notch in common 24 to 30 (0.71-0.41 mm) ga. galvanized sheet metal quickly and easily.

Folding and fabricating metal ductwork is easier than ever with the full 1 inch clearance the N2R single operation notcher provides. Precision-ground steel upper jaw and hardened stamped steel components.

Snap Lock Punch (1 in.)

Join sheet metal, duct and pipe sections economically with the Snap Lock Punch.

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.

Specifications

Catalog Number	Description	Throat Depth in. (mm)	Variable Leverage Ratio (High / Low) throughout stroke	Jaws	Cutting Angle	Length in. (mm)	Net Wt. oz. (g)
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)
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)
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)

Metal Capacities

	Material	Aluminum	Copper	Stainless Steel 26 Gauge	Galvanized Steel 24 Gauge	Mild Steel 24 Gauge
Crimpers & Notchers	inches (mm)	.035 (0.89)	.023 (0.58)	.018 (0.46)	.028 (0.71)	.024 (0.61)
	Material	Aluminum	Copper	Stainless Steel 24 Gauge	Galvanized Steel 22 Gauge	Mild Steel 22 Gauge
SC3R	inches (mm)	—	—	.024 (0.61)	.034 (0.86)	.030 (0.76)

Replacement Spring

5018 FITS ALL MODELS ON THIS PAGE

**SINGLE CRIMPER
SEE PAGE 55**



HVAC STARTER KIT



STKMR / STKMRBP

16 Piece Starter Kit

Catalog No.	Description		
C5R	Redline Pipe Crimper 5 Blade	M14N	14 in. (362 mm) Alum. Pattern Snip
SL1R	Redline Snap Lock Punch	SH3	Setting Hammer
N1R	Redline Hand Notcher	DS2	Offset Duct Stretcher
S2R	Redline Hand Seamer	BT143G	Bit-Tips 100 pack FREE
12F	Folding Tool	HW8x1/2ZG	Zip-ins 100 pack FREE
18	Divider	TS1	TurboShear
M2001	Aviation Snip Left Cut	HC1	Hole Cutter
M2002	Aviation Snip Right Cut	A2	1/4 in. (6.4 mm) Scratch Awl

HVAC DELUXE KIT



DSKR / DSKRBP

29 Piece Deluxe Kit

Catalog No.	Description		
C5R	Redline Pipe Crimper 5 Blade	DB1	Dead Blow Hammer
SL1R	Redline Snap Lock Punch	DS2	Offset Duct Stretcher
N1R	Redline Hand Notcher	MSH14	Hex Chuck
S2R	Redline Hand Seamer	MSH516	Hex Chuck
12F	Folding Tool	L9M	Torpedo Level
18	Divider	HW8x1/2ZG	Zip-ins 100 pack FREE
M2001	Aviation Snip Left Cut	BT143G	Bit-Tips 100 pack FREE
M2002	Aviation Snip Right Cut	TS1	TurboShear
M2005	Bulldog Aviation Snip	HHD1S	1/4 in. (6.35 mm) Hex Driver Mag.
M14N	14 in. (362 mm) Alum. Pattern Snip	HHD2S	5/16 in. (7.9 mm) Hex Driver Mag.
A0	1/8 in. (6.35 mm) Scratch Awl	TY4G	Tie Tool - Standard Grip
SH3	Setting Hammer	HC1	Hole Cutter
T416M	1 in. x 16 ft. Magnetic Tape Measure	4MC24	Recip Blade 6L 24T
W29	Hex Key Set	RD6	6-in-1 Reversible Driver
		A2	1/4 in. (6.4 mm) Scratch Awl



TB1



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

Rugged Nylon Tool Bag

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)

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

33 Pocket Backpack

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)





**Trade Pro's
know anything less
than the best just
won't cut it.**

“ These shears work much better than I ever imagined they would. The blades stay sharp very well, and it cuts very cleanly. Also it's very maneuverable. ”

“ Worked in drill or driver impact. Performed as advertised and fast cutting. Quality product. ”

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

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.



More compact Telescoping Drill Clamp fits drills and impact drivers including lithium-ion models.

**Designed for
18 ga. Sheet Metal**

Pat. No. 9,649,702

TSHD



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	7.04 (200)	—
Metal Capacities			
Material	Spiral Duct 20 Gauge	Galvanized Steel 18 Gauge	Mild Steel 18 Gauge
inches (mm)	0.040 (1.02)	.052 (1.32)	.048 (1.22)





THE Original

The time-saving TurboShear® 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.

**Designed for
20 ga. Sheet Metal**

360° Rotating Collar will
not fit on this model.



TS1

Catalog Number	Description	Net Wt. oz. (g)
TS1	TurboShear®, "Original"	26 (737)
Replacement Parts / Drill Clamp (one-hand use)		
TSDC	TurboShear® Drill Clamp (for one-hand use)	8 (227)
TS1RB	TurboShear®, "Original" Replacement Blades	5.92 (168)
Metal Capacities		
Material	Galvanized Steel 20 Gauge	Cold Rolled 20 Gauge
inches (mm)	.040 (1.02)	.036 (0.91)

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



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

**Attach to any drill or impact 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!

**Designed for
18 ga. Sheet Metal**



Pat. No. 9,649,702

TSMD

Catalog Number	Description	Net Wt. oz. (g)	Net Wt. lbs. (kg)
TSMD	Double-Cut TurboShear	—	2.6 (1.18)
Replacement Parts			
TSDC	TurboShear Drill Clamp	8 (227)	—
TSCG	TurboShear Chuck Guard	.96 (27)	—
TSMDRB	Double-Cut TurboShear Replacement Blades	5.6 (159)	—
Metal Capacities			
Material	Spiral Duct 20 Gauge	Galvanized Steel 18 Gauge	Mild Steel 18 Gauge
inches (mm)	.040 (1.02)	.052 (1.32)	.048 (1.22)



MINI-BRAKE™

Compact & Portable



MB48A



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.



Suitable for use
anywhere on
the job site!

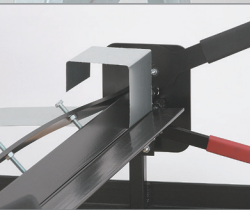
Use the Mini-Brake™ anywhere on the job site, even on a truck tailgate, for a variety of fabricating tasks from large HVAC transitions to narrow roof flashing to structures as small as a 4-inch square. Strengthening ribs on the brake's anvil and apron assure consistent bends. A safety conscious, cam-over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



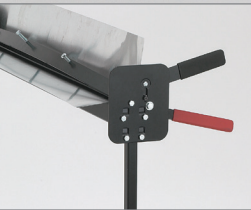
A 5/16 in. (7.9 mm) plate steel apron & adjustable strengthening ribs on anvil assure uniform bends across width of material.



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 prevents anvil from free falling or creating a pinching hazard.

MB48A

Portable Mini-Brake

Catalog Number	Description	Minimum Hem Bending Depth in. (mm)	Width ft. (M)	Net Wt. lbs. (kg)	Height in. (cm)
MB48A	Mini-Brake™ Portable	1/2 (12.7)	4 (1.22)	72 (32.66)	—
MBL	Mini-Brake™ Leg Kit	—	—	18 (8.17)	36 (91.44)

Metal Capacities

Material	Aluminum 18 Ga.	Soft Copper 18 Ga.	Zinc 18 Ga.	55% Al-Zn Mild Steel 22 Ga.	Stainless Steel 24 Ga.	Galvanized Steel 22 Ga.	Mild Steel 22 Ga.
inches (mm)	.040 (1.02)	.040 (1.02)	.040 (1.02)	.030 (0.76)	.024 (0.61)	.034 (0.86)	.030 (0.76)



MBL

Optional Leg Kit
(Sold separately).

Pan Style MINI-BRAKE™

*Perfect for Drip Pans, Register Boxes,
and complex corners for Facia!*



The MB48B "Pan Style" Mini-Brake™ is designed to fabricate drip pans and register boxes, as well as complex corners for flashing and fascia, on the job. At just under 100 pounds (45 kg), it is carried comfortably by two people, or quickly separated into anvil and table

components for one-person transport. The MB48B operates on a workbench, tailgate, or optional legs to produce 135° bends in 22-gauge (0.86 mm) galvanized steel at a maximum 48 inch (1.2 m) width. A 5/16-inch (7.9 mm) plate-steel table apron and anvil frame, with adjustable set-back and strengthening ribs, ensures a uniform bend. Cam-over-center clamps keep the anvil secure in any position for safe operation.

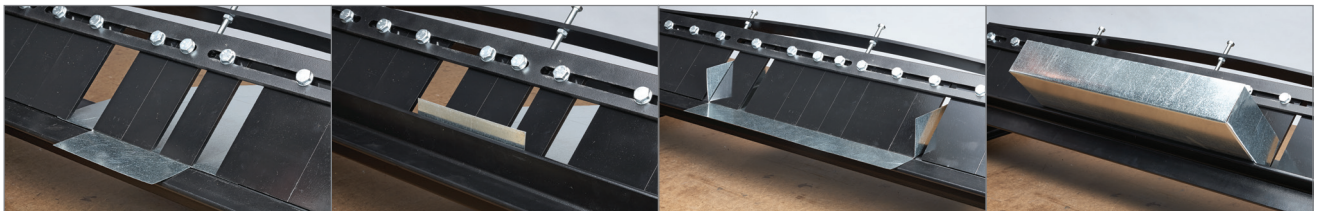


MB48B



Finger Plate Widths:

(5) 2 in., 50.8 mm • (6) 3 in., 76.2 mm • (5) 4 in., 101.6 mm



Choose a combination of fingers that will span the bending width as closely 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).

MB48B

Pan Style Mini-Brake

Catalog Number	Description	Bend Angle	Max Bend Width	Min. Bend Width	Max Pan Height	Min. Pan Height	Min. Flange Net Wt.
MB48B	Pan Style 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)
MBL	Mini-Brake™ Leg Kit	—	—	—	—	—	—

Metal Capacities

Material	Aluminum 18 Ga.	Soft Copper 18 Ga.	Zinc 18 Ga.	55% Al-Zn Mild Steel 22 Ga.	Galvanized Steel 22 Ga.
inches (mm)	.040 (1.02)	.040 (1.02)	.040 (1.02)	.030 (0.76)	.034 (0.86)

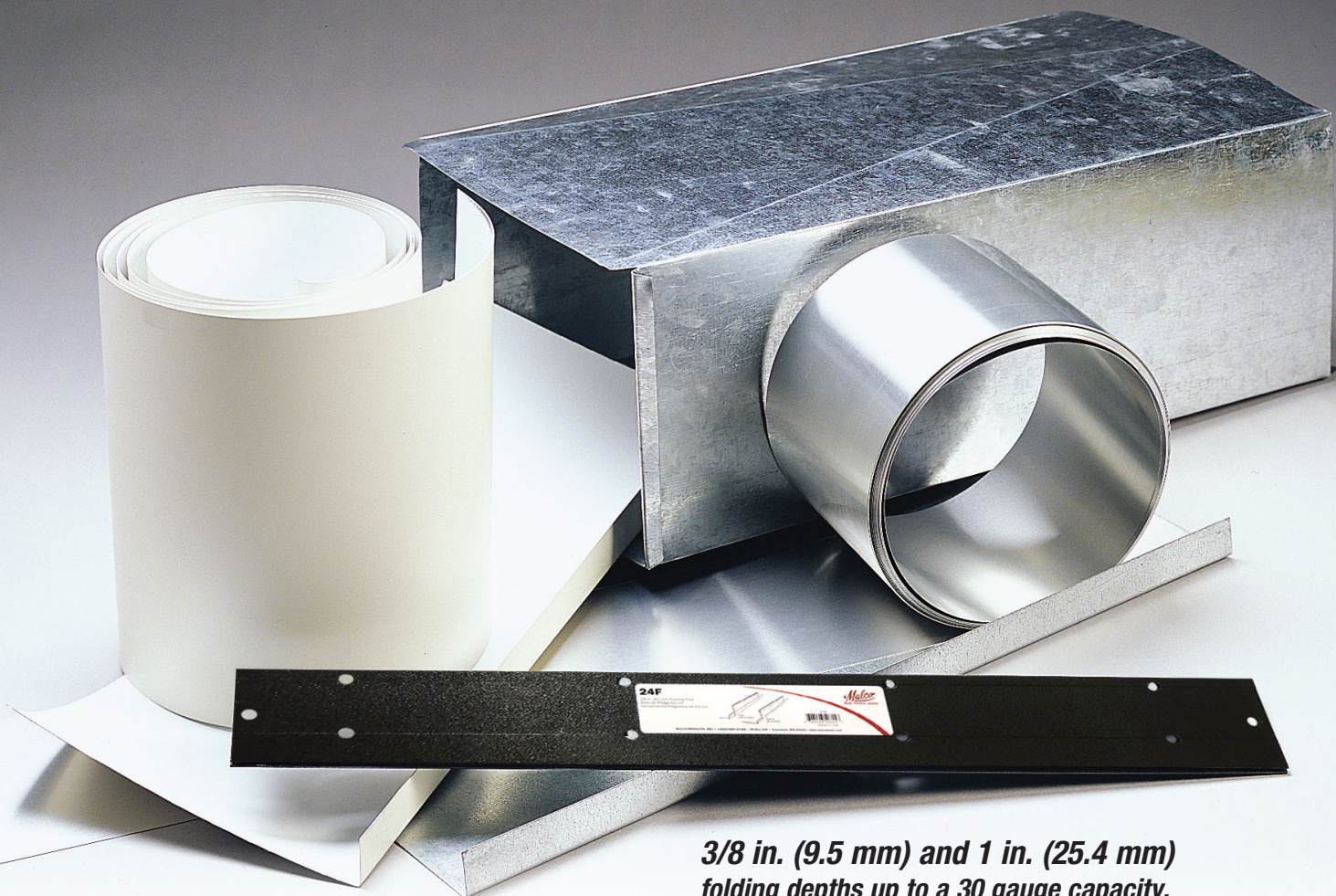
Replacement Parts

		Net Weight lbs. (kg)	Height in. (cm)
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)	—	—
MBL	Mini-Brake™ Leg Kit	18 lbs. (8.17)	36 in. (91.44)



MBL

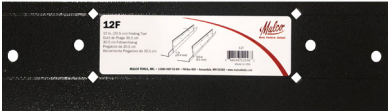
Optional Leg Kit
(Sold separately).



**3/8 in. (9.5 mm) and 1 in. (25.4 mm)
folding depths up to a 30 gauge capacity.**

**Premium
Sheet Metal
Folding Tools**

Malco's 12F, 18F, and 24F Sheet Metal Folding Tools offer a premium choice for bending and forming metal. Each model is made with superior design and includes handy sight holes to ensure proper depth alignment. Whether you are an HVACR or roofing pro, Malco offers you the right tool to get the job done. Each sheet metal folding tool model can be used for various applications.



12F 12 in. (30.5 mm) Length

The 12F 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.



18F 18 in. (45.7 mm) Length

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



24F 24 in. (60.1 mm) Length

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

Specifications

Folding Tools

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)

Metal Capacities

Material	Mild Steel 24 Gauge
inches (mm)	.024 (0.61)

Did you know?

Malco folding tools are formed from two steel halves, permanently joined together, and handy sight holes assure proper depth alignment.



**Duct Stretchers
for One-Hand drive
cleat installation**

Malco's Duct Stretcher to hold duct in place with one hand while slipping drive cleat in place with the 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 a handy hang-up hole.

**"Straight"
DS1**

**"Offset"
DS2**

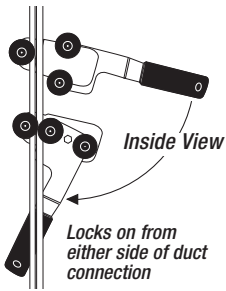


**"Locking"
DS3**



Model DS3 locking duct stretcher pulls duct sections together and holds them in place while freeing both hands to align and install drive cleats.

Greater wheel clearance makes capturing the ends of duct sections, even misshapen flanges, easier than ever. The versatile shape of the DS3 frame also lets you hook and pull duct from above as the drive cleat is coaxed along the remainder of flanged track. The durable all steel frame extends beyond wheel edges, making it safe to push, hammer and bend drive cleats as necessary to complete installation. An offset handle design eliminates knuckle contact with work.



Specifications

Duct Stretchers			
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			
DS1C Replacement wheels, nuts and screws (2 each)			

REDLINE

1/8 - 3/16 in. Hole Punch

The HP18KR Hole Punch does the work of more expensive, bulkier punches faster and easier!

The Malco HP18KR is designed to make holes along the edge of sheet metal and vinyl plastic, including rivet or screw fastener holes in metal ductwork and vinyl window extrusions. The tool is supplied with a 1/8 in. (3.2 mm) punch and die, pre-installed on the tool, as well as a 3/16 in. (4.8 mm) punch and die assembly. A stop gauge permits tool throat depth adjustments from 1/4 to 1-1/8 inches (6.4 to 28.6 mm) for easy hole placement. The tool body consists of a lightweight, die cast aluminum "C" frame head and hardened steel handles and parts stampings with a rust-resistant, nickel plating to ensure long service life.

- *Lightweight and maneuverable.*
- *Easily make holes in sheet metal & vinyl plastic.*
- *Replaceable punch & die installs on the job.*
- *Adjustable throat depth for easy hole placement.*



HP18KR

Up to
22 ga.
Capacity

The tool is supplied with a 1/8 inch (3.2 mm) punch and die, pre-installed on the tool, as well as a 3/16 in. (4.8 mm) punch and die assembly. Punch and die assemblies are also available separately, including Millimeters in 3.6, 4.1 and 6.3 mm.

HP18KR

Hole Punch

Catalog Number	Description	Punch in. (mm)	Variable Leverage Ratio (High / Low) throughout stroke	Punch / Frame	Length in. (mm)	Net Wt. oz. (g)
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)

Replacement Punches and Dies

		Metal Capacities	
HPD18	1/8 in. Replacement Punch & Die Kit for HP18KR	Material	Galvanized Steel 24 Gauge Mild Steel 22 Gauge
HPD316	3/16 in. Replacement Punch & Die Kit for HP18KR	inches (mm)	.028 (0.71) up to 2 layers .024 (0.61) up to 2 layers

Replacement Part

5018	Handle Spring: Fits All Redline Handled Tool
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HPD316

Easily interchange 1/8 in. (3.2 mm) and 3/16 in. (4.8 mm) punches and dies supplied with tool, right on the job-site!

Duct Holders for Duct and Pipe

Like an extra pair of hands, this job-site duct holder supports sheet metal 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.



2DH

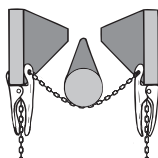
2DH

Duct Holder

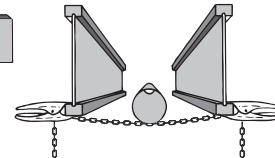
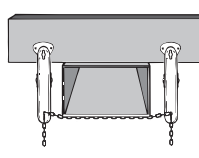
Catalog Number	Description	Load Capacity lbs. (kg)	Chain Length ft. (m)
2DH	Duct Holder	20 lbs (9 kg) Maximum Work Load	4 (1.22)



CAUTION: 20 lbs (9 kg) Maximum Work Load
For use on residential lumber and / or engineered I-beam construction only.



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.

◀ Most Popular!

The most popular choice of sheet metal professionals worldwide, the Malco SH3 setting hammer's leather grip permanently conforms to the user's hand for ultimate comfort and ease of use.

SH3
Setting Hammer



Malco's Sheet Metal Hammers are individually hardened and tempered for strength and resiliency. The full-polished heads with beveled face and pein are corrosion resistant, making these tools last longer and work better. The one-piece forged, I-beam construction, make this a durable setting hammer for anyone to use on the job. Available in 12 oz., and 18 oz.

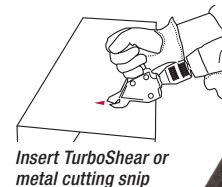
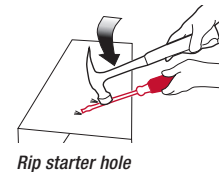
Specifications

Riveting and Setting Hammers

Catalog Number	Description	Head Weight oz. (g)	Head Length in. (mm)	Face Size in. (mm)	O/A Length in. (mm)	Net Weight oz. (g)
SH3	Setting Hammer Leather Grippd	18 (510)	5-1/2 (140)	7/8 (22.2)	11-3/4 (298)	18 (510)
SH3V	Setting Hammer Vinyl Grippd	18 (510)	5-1/2 (140)	7/8 (22.2)	11-3/4 (298)	18 (510)
RH4	Riveting Hammer Leather Grippd	12 (340)	4-7/8 (124)	3/4 (19.1)	11 (279)	12 (340)
RH4V	Riveting Hammer Vinyl Grippd	12 (340)	4-7/8 (124)	3/4 (19.1)	11 (279)	12 (340)
DB1	Dead Blow Hammer	17 (482)	3-1/2 (89)	1-1/4 (32)	11 (279)	16 (454)

Duct Ripper

Catalog Number	Description	Nominal Length in. (mm)	Net Weight oz. (g)
CDR	Duct Ripper	9-1/2 (241)	5 (147)



Perfect companion tool to our TS1 metal cutting TurboShear! (See Page 24)

Pocket Sized Sheet Metal Scribe



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

Adjustable Sheet Metal Scribe



Measure, mark, and scribe trim lines on sheet metal in one easy operation. Set desired trim depth on the 1/8 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.

Expandable Trammel Points



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.

Carbide Tipped Scribe



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 ensures long service.

Fast Adjusting Scribes

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.



Scratch Awls



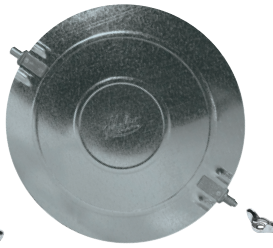
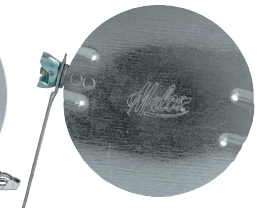
Use to scribe lines on metal, plastic, and a variety of other materials. Pierce holes in wood, plastic, leather - even light gauge metal. Blades are high carbon, alloy tool steel fully polished to resist rust. Blade tapers to a fine point and may be resharpened many times. Easy-to-spot red handles are shock and shatter resistant.

Specifications

Scribes								
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
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)	—	—	—	—	—	—	—
A50	Carbide Tip w/ retractable point	—	—	—	—	—	10 (284)	A50R
A60	Adjustable Sheet Metal Scribe	—	—	—	1/4 to 12-1/2 (6.4 to 318)	—	10 (284)	12027
#18	Divider Max. diameter circle 32 (81 cm)	—	—	—	—	11 (28)	7 (199)	RP2 / 10018 / DIVRK
#24	Divider Max. diameter circle 42 (107 cm)	—	—	—	—	13-1/2 (34)	9 (255)	RP2 / 10018 / DIVRK
Trammel Points								
TR18	Trammel Point 18 in.	7 (18)	18 (46)	12 (31)	—	—	4 (113)	TRP
TR42	Trammel Point 42 in.	12 (30)	42 (107)	24 (61)	—	—	7 (199)	TRP
Scratch Awls								
Catalog Number	Description	Nominal Bladed Diameter in. (mm)	Blade Length in. (mm)	Overall Length in. (mm)				
A0	Regular Grip Handle Scratch Awl	1/8 (3.2)	3.11 (76)	6-1/4 (159)				
A20	Regular Grip Handle Scratch Awl	1/4 (6.4)	4 (102)	8 (203)				
A3	Large Grip Handle Scratch Awl	5/16 (7.9)	3.5 (89)	5.75 (146)				
A2	Large Grip Handle Scratch Awl	1/4 (6.4)	4 (102)	6-1/4 (159)				

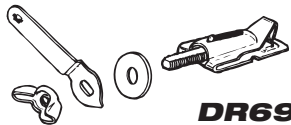
Dampers

Hardware and Components

**D8HT100****D7HT100****D6HT100****D6100****D4AST**

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. Available with or without handles.

Damper Regulator Hardware

**DR69**

Single Bearing / Spring Loaded:
1-spring bearing / 1-inside
washer / 1-handle / 1-wing nut

**DR70**

Double Bearing :
2-spring bearing / 1-inside
washer / 1-handle / 1-wing nut

**DR71**

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

Bulk Components

**WN100**
(100 pack) Wingnuts**H1100**
(100 pack) Damper
Handles

Single Crimper



Fast, easy to use and lightweight.
Handy lock makes tool pocket sized.
Rust-resistant, zinc plated steel construction
with vinyl cushioned grips.

Did you know?

Popular Redline Crimpers
can be found on page 43.



Specifications

Dampers / Hardware & Components

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

Crimper 1-Blade

Catalog Number	Description	Throat Depth in. (mm)	Jaws	Length in. (mm)	Net Wt. oz. (g)
SC1	1-Blade Crimper	1-1/4 (31.8)	Carbon Steel	8 (203)	8 (227)

Capacities

Material	Aluminum	Copper	Stainless Steel 26 Ga.	Galvanized Steel 24 Ga.	Mild Steel 24 Ga.
inches (mm)	.035 (0.89)	.023 (0.58)	.018 (0.46)	.028 (0.71)	.024 (0.61)



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

Non-Slip Manual Tie Tensioning Flex Duct Tools

Flex Duct Tools Tighten nylon cable ties to fiberglass duct take off connections faster, easier, and with better quality than by hand.



Malco's TY4 and TY4G (Vinyl Gripped) Cable Tie Tensioning Tools feature a manual, easy to operate, cutting mechanism and comfortable gray vinyl cushioned grips. When the tie is tight, a simple pull of the lower handle causes a blade to engage and cut off the excess tail of the nylon tie.

A reduced pinch point handle closing ensures peace of mind and reduces injury. Malco Tie Tools are designed to work on standard 175 lb. ties as well as thinner 125 lb. ties.

Adjustable Tie Tensioning Flex Duct Tool

Designed for heavy users of nylon cable ties, that features a desired tension adjustment knob.



Malco's TY6 Tie Tensioning Tool is designed for heavy users of nylon cable ties, and is a more efficient, higher quality alternative to installing flexible duct to take offs. The TY6 features an adjustment knob that allows an installer to set a 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, which causes a blade to engage and automatically cut off the excess tail of the nylon tie. No extra operation for manual trimming is required. Operating Malco's TY6 Tie Tensioning Tool is also easy on the installer. Contoured handles, with stops, are easier to grasp. Furthermore, the smooth lever action and vinyl cushion grips minimize hand and arm fatigue on big jobs.



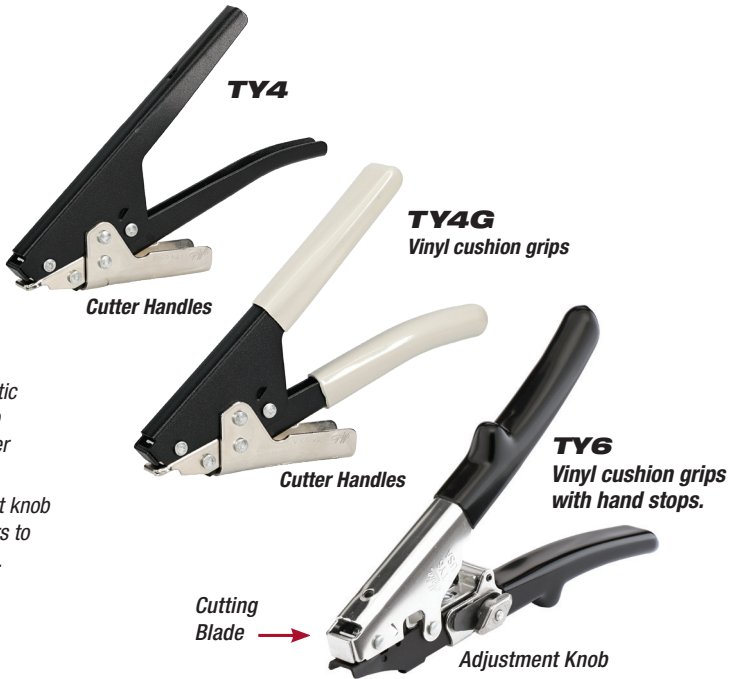
Tensioning adjustment knob and automatic cut-off mechanism turn adjustment knob clockwise to increase tension and counter clockwise to decrease tension.

CAUTION: Do not over tighten adjustment knob with fingers. Adjust knob only with fingers to avoid breaking ties before cut-off occurs.



Specifications

Flex Duct Tie Tools			
Catalog Number	Description	Length in. (mm)	Net Wt. oz. (g)
TY6	High Leverage Flex Duct Tie Tool	8-1/2 (216)	15 (425)
TY4	Manual Cut-Off Flex Duct Tie Tool	6 (152)	10 (284)
TY4G	Manual Cut-Off Flex Duct Tie Tool / Gripped	6 (152)	11 (312)



Secure Choice!

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.



Flex Duct Support

The Malco 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.

FDS1

Flex Duct Support

Catalog Number	Description	(Tie Requirements per Duct Diameter) Duct Diameter	Number of Ties	Nominal Dimensions in. (cm)	Net Wt. oz. (g)
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	3 (85)
		12-14 in. (30.5-35.6 cm)	2) 48 in. (121.9 cm)	(38.1 x 28.6 x 7.6)	
		16 in. (40.6 cm)	4) 36 in. (91.4 cm)		



TY34
36 inch



Actual Size



TY48
48 inch



Actual Size

Specifications

Nylon Ties

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.	10.35 in. (263 mm)	14.37 in. (365 mm)
Color	Natural	Gray
For Malco Tie Tools	TY4, TY4G, TY6	TY4, TY4G, TY6

Nylon Ties for Tie Tools

36 & 48 inch Heavy-Duty Nylon Ties

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. (indoor use only)



FDC1

Flexible Duct Cutter

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)

Flexible Duct Cutter



The Flex Duct Cutter (FDC1) has a built-in wire cutter that lets you finish the job you started with just one tool! A double edged blade cleanly pierces through outer skin and insulation. The fine honed blade, made with long lasting stainless steel, cuts from either direction around the entire circumference of the duct. The built-in wire cutter cuts hardened wire rib coil and features compound leverage for easy wire cutting. The Flex Duct Cutter also includes comfortable, non-slip vinyl gripped handles. Puncture resistant nylon sheath (FDSH) included.



FDC2

Flexible Duct Shear

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	Heavy-Duty Steel	10.4 to 1.0 - 11.9 to 1.0 (Wire Cutter)	4-3/8 (111)	12-1/4 (311)	13 (369)

Flexible Duct Shear



The Flex Duct Shear (FDC2) 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. Puncture resistant nylon sheath (FDSH) included.

**Trim flex duct and tighten
nylon ties with one tool!**

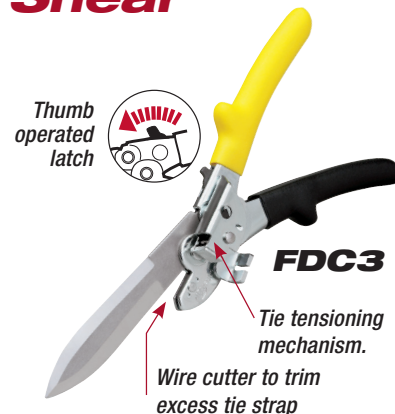


FDC3

Multi-Purpose Shear

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)
FDC3	Multi-Purpose Shear	High Carbon Steel	10.4 to 1.0 - 11.9 to 1.0 (Wire Cutter)	4 (102)	11-7/8 (302)	14 (397)

Multi-Purpose Shear



The versatile FDC3 Flex Duct Tool is actually three tools in one! The double-edged round knife blade pierces through the 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. Puncture resistant nylon sheath (FDSH) included.



DK6S

Duct Knife for Fiberglass Duct Board

Catalog Number	Description	Blade Length in. (mm)	Length in. (mm)	Net Wt. oz. (g)
DK6S	Duct Knife for Fiberglass Duct Board	6 (152)	—	7 (199)
FDSH	Universal Flex Duct Knife Sheath for ALL FLEX DUCT TOOLS & SHEARS	—	11.5 (292)	2 (57)

Duct Knife and Sheath



DK6S

For cutting flexible fiberglass wool duct and duct board, the DK6S Duct Knife has double edge blades that are ideal for blind cuts in "flex" duct. Ergonomic cushion grip features one serrated cutting edge. Heavy-duty cutlery grade steel blades can be resharpened. Puncture resistant nylon sheath (FDSH) included.

FDSH

Puncture resistant nylon sheath included with FDC1, FDC2, FDC3 & DK6S.

- 2-3/4 in. (70 mm) wide belt loop.
- Velcro safety strap

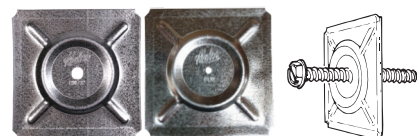
Washers

Fiberglass duct board washers help to reinforce sheet metal components to fiberglass duct. Use with #8 screw for fastening components.

RW732 / FLW

Fiberglass Duct Board Washers

Catalog Number	Description	Length in. (mm)	Width in. (mm)	Hole Dia. in. (mm)
RW732	Galv. Reinforced Volcano Washer	2.5 (64)	2.5 (64)	7/32 (5.56)
FLW	Galv. Reinforced Ductboard Washer	2.5 (64)	2.5 (64)	1/8 (3.175)





PEX Foam Board Stapler

**For in-floor radiant heating installation.
Magazine Fed Staples with Non-Jamming Design!**

Malco's FBSN Pex Foam Board Stapler is the ideal solution for installing in-floor radiant heating. A light-weight one-piece polymer magazine stands up to any rugged job-site environment. A leaf spring controlled stop automatically adjusts to setup the staples and guide it through the fastening mechanism without risk of jamming or deforming staples. Magazine loading-strips of 25 staples are joined together with a discreet plastic weld that allows staples to separate cleanly as they are engaged by the fastening mechanism.

Exclusive Dual-Barbed foam board staples increase bite and holding power!

FBSN1: 1-1/2 in. (38.1 mm) staples for 1 in. (25.4 mm) foam board, for 3/8 in. (9.5 mm), 1/2 in. (12.7 mm) PEX.

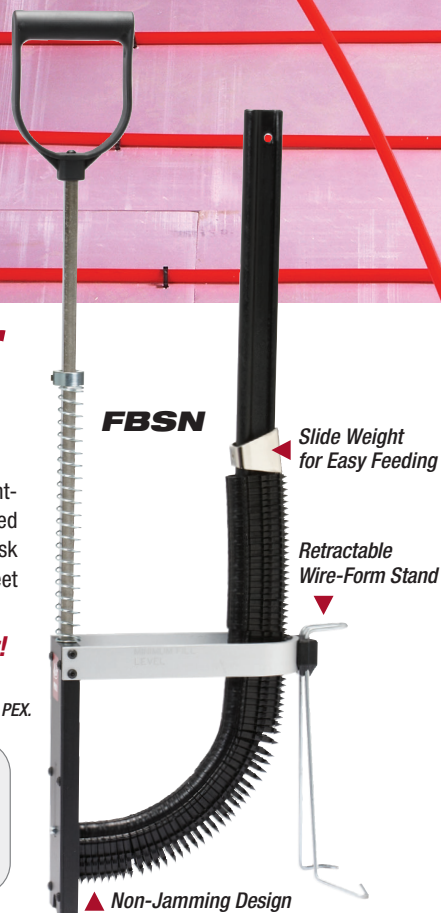
FBSN2: 2-1/2 in. (63.5 mm) staples for 2 in. (50.8 mm) foam board, for 3/8 in. (9.5 mm), 1/2 in. (12.7 mm), 5/8 in. (15.9 mm) PEX.

Did you Know?

Your Foamboard Stapler can be converted for use on PEX to Wood!



PWSK1
Wooden sub-floor kit includes weight cylinder and easy instructions.



FBSN

PEX Foamboard Stapler

Catalog Number	Description	Stapler Size in. (mm)	Staple Size in. (mm)
FBSN	PEX to Foam board 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) foam board (200 qty.)	—	1-1/2 (38.1)
FBSN2	2-1/2 in. (63.5 mm) staple for 2 in. (50.8 mm) foam board (200 qty.)	—	2-1/2 (63.5)
FBS1BX	1-1/2 in. (38.1 mm) box of staples for 1 in. (25.4 mm) foam board (300 qty.)	—	1-1/2 (38.1)
FBS2BX	2-1/2 in. (63.5 mm) box of staples for 2 in. (50.8 mm) foam board (300 qty.)	—	2-1/2 (63.5)

PEX to Wood Conversion Weight Kit

Catalog Number	Description
PWSK1	Conversion Kit for Original FBS/FBSN 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	



PEX to Wood Stapler

**For sub-floor radiant heating installation.
Includes Magazine Slide Weight and Retractable Stand!**

The Malco PWS1 Pex Stapler for Wood and Foam Board is the perfect tool for installing in-floor radiant heating. This easy-loading and portable manual stapler includes a magazine feed and operates from a standing position to quickly secure a layout of PEX pipe to a wooden sub-floor or foam board base.

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: 1-1/16 in. (27 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.

PWS1

PEX to Wood Stapler

Catalog Number	Description	Stapler Size in. (mm)	Staple Size in. (mm)
PWS1	PEX to Wood Stapler	37 x 11-1/4 x 2-1/2 in. (940 x 286 x 64)	

PEX to Wood Staples

PWS2	PEX to Wood Staples (for use in plywood only)	—	1-1/16 (27)
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Replacement Parts

FBSNW	Magazine Slide Weight
FBSNS	FBSN / PWS1 wire-form stand - Will work with black magazine slide only.
FBSNW	Magazine Slide Weight - Will work with any model, including original FBS



Did you Know?

The PWS1 Pex to Wood Stapler can use Foamboard Staples too!

SmartTool™

with SmartClip™ Fasteners

For Fast, uniform layout of PEX to a wire-grid!

The SmartTool™ stapler is used to install SmartClip™ staples that secure an in-floor radiant heating layout of PEX tubing to a wire grid with foam board base. The ergonomic 38-1/2 inch (98 cm) tall SmartTool™ weighs only 6.1 lbs (2.8 kg) and saves time by operating from a standing position to attach SmartClips™ to a 10-ga (3.5 mm) wire grid. 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 SmartClip™ keeps the inserted PEX elevated over the wire grid to provide thorough concrete encasement and coverage.

40
Clip
Capacity



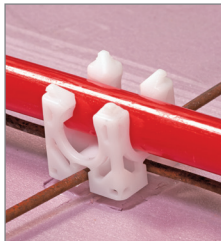
SM1
SmartTool



Easy top-loading.



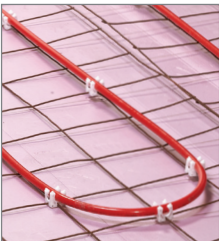
Stand Comfortably



Secure wire connection



Protective plastic-to-plastic
PEX connections.



Uniform layout ensures even
radiant heating surface.



SM2
SmartClip

Specifications

SmartTool™								
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
SmartClip™								
SM2	SmartClip™	—	—	10 (3.5)	—	.5 (12.7)	—	1280

UC1

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)

**1000 ft.
Capacity!**
for 1/2 in.
PEX Tubing



PEX Uncoiler

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

Compact Carrying Case

Organize and dispense PEX tubing easily and efficiently with Malco's PEX Tubing Uncoiler. A heavy-duty turntable supports a full coil of PEX (polyethylene cross-linked tubing). An eyelet loop opens for easy feeding or removal of tubing from the uncoiler unit. The rotating eyelet arm allows tubing to be pulled off in any direction. A Factory-adjusted tension prevents backlash and spreading of tubing coil off the turntable. The PEX Tubing Uncoiler is easy to setup, with no tools required to assemble, and takes up very little space in a truck or van. The entire unit stores in a steel-reinforced plastic case measuring 40 x 17 x 5 in. (102 x 43 x 13 cm). Carrying weight is only 50 lbs. (22.7 kg).

EASY STEP BY STEP ASSEMBLY



UC1

PEX Uncoiler

Catalog Number	Description	Net Wt. lbs. (kg)
UC1	Pex Tubing Uncoiler in Case	50 (22.7)



REDLINE

PEX-to-Wire Tool

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

- Safe to use on all PEX to wire applications and all brands of PEX tubing from 3/8 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.

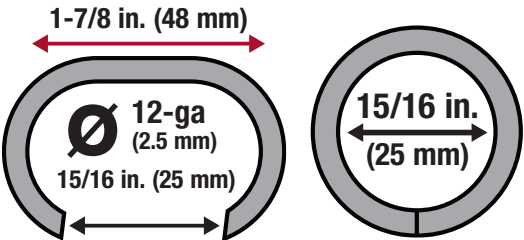


EASY STEP BY STEP LOADING



PC1 EV
25 PEX to Wire Clips

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



Hard or Soft Copper



Rugged Aluminum Alloy Body

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.

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

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

Tight Spaces



1-1/4 in. Clearance

TC127

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".

Double Rollers



TC174

Tubing pivots on double rollers.

Compact cutter requires only 1-15/16 in. clearance, yet accommodates tubing from 1/8 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.

Sure Grip Tube Slicer



TC400

Ideal for use on PEX Tubing

Also produces cuts in ABS, PVC, rubber and fabric reinforced hose up to 1-1/4 in. (31.8 mm) O.D. Rigid, durable nylon handle design provides sufficient leverage when cutting so that only moderate hand pressure is required. Stainless steel cutting blade is resharpenable and replaceable.

Specifications

Tube Cutters		
Catalog Number	Description	Tubing Outside Diameter in. (mm)
TC127	Tube Cutter	1/8 to 5/8 (3.2 to 15.9)
TC174	Tube Cutter	1/8 to 1-1/8 (9.5 to 28.6)
TC312	Tube Cutter	1/4 to 1-5/8 (6.4 to 41.3)
TC274	Tube Cutter	1/8 to 1-1/8 (3.2 to 28.6)
TC400	Sure Grip Tube Slicer	—
Replacement Parts		
Catalog Number	Description	Tube Cutters
RW127	Cutting Wheel	TC127 & TC174
127TCS	Cutting Wheel Screw	TC127 & TC174
RW274	Cutting Wheel	TC312 & TC274
274TCS	Cutting Wheel Screw	TC312 & TC274
RB400	Replacement Blade	TC400
75046	Cutting Wheel for Stainless	TC312 & TC274

Blind Rivets

Steel, Aluminum, Stainless, Copper, & Painted

Malco Blind Rivets provide a strong, secure connection between two 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.



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	1,200
Copper Rivet Steel Mandrel	1/8 in.		

IFI 114 2003 (R2008) Grade 20

Note: Package sizes available in
Bulks, Tubs (T), and Bags (G).

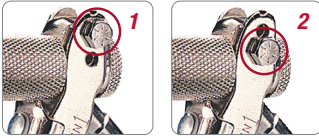
Specifications

Blind Rivets (Head Width .25 • Head Thickness .032 • Rivet Diameter 1/8 in.)

Bulk	Bulk Qty	Tub	Tub Qty	Bag	Bag Qty	Description	Hole Size # / Drill #	Rivet Body Length	Rivet Body Diameter	Grip
SS42D	10,000	SS42DT	1,000	SS42DG	100	Steel Rivet Plated Steel Mandrel	.125 - .135 / #30	.232	.125	.063-.125
		SS43DT	1,000	SS43DG	100	Steel Rivet Plated Steel Mandrel	.125 - .135 / #30	.294	.125	.126-.187
SS44D	10,000	SS44DT	1,000	SS44DG	100	Steel Rivet Plated Steel Mandrel	.125 - .135 / #30	.357	.125	.188-.250
		SS46DT	1,000	SS46DG	100	Steel Rivet Plated Steel Mandrel	.125 - .135 / #30	.481	.125	.313-.375
AA42D		AA42DT	1,000	AA42DG	100	Aluminum Rivet Aluminum Mandrel	.125 - .135 / #30	.232	.125	.063-.125
AA44D		AA44DT	1,000	AA44DG	100	Aluminum Rivet Aluminum Mandrel	.125 - .135 / #30	.357	.125	.188-.25
		SS/SS42DT	1,000	SS/SS42DG	100	Stainless Rivet Stainless Mandrel	.125 - .135 / #30	.232	.125	.063-.125
		SS/SS44DT	1,000	SS/SS44DG	100	Stainless Rivet Stainless Mandrel	.125 - .135 / #30	.357	.125	.188-.25
		SS/SS46DT	1,000	SS/SS46DG	100	Stainless Rivet Stainless Mandrel	.125 - .135 / #30	.481	.125	.313-.375
		SS/SS48DT	500	SS/SS48DG	100	Stainless Rivet Stainless Mandrel	.125 - .135 / #30	.606	.125	.376-.500
CS42D	10,000	CS42DT	1,000	CS42DG	100	Copper Rivet Plated Steel Mandrel	.125 - .135 / #30	.232	.125	.063-.125
		CS44DT	1,000	CS44DG	100	Copper Rivet Plated Steel Mandrel	.125 - .135 / #30	.357	.125	.188-.25
AA42DW	10,000	AA42DWT	1,000	AA42DWG	100	Aluminum Rivet Aluminum Mandrel (White)	.125 - .135 / #30	.232	.125	.063-.125
AA44DW	10,000	AA44DWT	1,000	AA44DWG	100	Aluminum Rivet Aluminum Mandrel (White)	.125 - .135 / #30	.357	.125	.188-.250
AA42DMB	10,000	AA42DMBT	1,000	AA42DMBG	100	Aluminum Rivet Aluminum Mandrel (Musket Bronze)	.125 - .135 / #30	.232	.125	.063-.125
AA44DMB	10,000	AA44DMBT	1,000	AA44DMBG	100	Aluminum Rivet Aluminum Mandrel (Musket Bronze)	.125 - .135 / #30	.357	.125	.188-.25
AA42DRB		AA42DRBT	1,000	AA42DRBG	100	Aluminum Rivet Aluminum Mandrel (Royal Brown)	.125 - .135 / #30	.232	.125	.063-.125
AA44DRB	10,000	AA44DRBT	1,000	AA44DRBG	100	Aluminum Rivet Aluminum Mandrel (Royal Brown)	.125 - .135 / #30	.357	.125	.188-.25

2-in-1 Hand Riveter

Malco's 2IN1 Hand Riveter is easy to use with one hand and provides enough pulling power to set all popular rivet sizes. The 2IN1 adjustment features a single long stroke for most hand riveting applications and a short "ratchet action" power stroke for setting larger diameter rivets. The outside "jaw-grip adjustment wheel" opens and closes jaws with fingertip ease to fit any size mandrel and to obtain maximum stroke efficiency. Three nosepieces 1/8, 5/32, and 3/16 in., included with tool. Nose-pieces are stored in handle. Ideal for reaching into corners and recessed areas. Heavy duty all steel construction ensures long life and minimum wear. Polished finish, nickel-chrome plated. Red vinyl cushion grip and hand stop.



- (1) **LONG STROKE:** for most riveting applications.
(2) **POWER STROKE:** "Ratcheting Action" for large diameter rivets.

2IN1

2IN1 Premium Hand Riveter

Catalog Number	Description	Capacities in. (mm)	Length in. (mm)	Net Wt. oz. (g)
2IN1	2-IN-1 Hand Riveter	(SEE BELOW)	8 (203)	20 (567)
Replacement Parts		Capacities		
ER41	Jaws	Capacities in. (mm)		
ER44	3/16 in. nosepiece	1/8 thru - 3/16 (3.18 - 4.8) steel mandrel		
ER45	1/8 in. nosepiece	1/8 thru - 5/32 (3.18 - 4.0) stainless steel mandrel		
ER46	5/32 in. nosepiece			
HR37	Adjustment Rod assembly			



Pulls 1/8 to 3/16 in. blind rivets with steel mandrels.
Pulls 1/8 to 5/32 in. blind rivets with stainless steel mandrels.
(Regularly lubricate with a drop of light oil on points of movement.)

Economy Hand Riveter

Lightweight, compact size and slim nose projection allows this riveter to go wherever the work is. Four rivet nosepieces: 3/32, 1/8, 5/32 and 3/16 in. store in handle. Ideally suited for blind riveting applications in aluminum windows, gutter and downspout. Not for use with steel rivets larger than 3.2 mm. 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.

CR18

Economy Hand Riveter

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

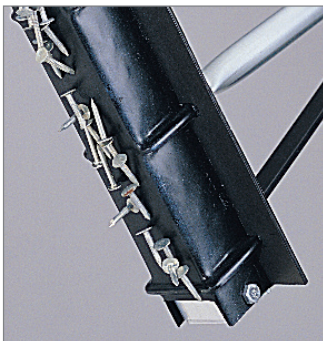


Hand Held Magnetic Sweep



MS12

Comfortable angled handle grip allows easy attraction of nails and metal debris on the work-site. Permanent magnets ensure long service life and resistance to shock and vibration. A quick release sleeve allows debris to be easily removed from tool into a bucket.



Powerful magnetic surface easily attracts metal debris.



Quick release sleeve for easy clean-up.

MS12

Hand Held Magnetic Sweep

Catalog Number	Description	Tool Length. in. (cm.)	Net Wt. lbs. (kg)
MS12	Hand Held Magnetic Sweep	34-1/2 (88)	5.0 (2.27)



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. The 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. The 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.



HSB Hole Saw Bit

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.

Specifications

Hole in One - Hole Saws					Recommended RPM Cutting Speeds				
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.				

Vent Saws® are 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 helpful 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. It also features easily replaceable alloy steel blades and a versatile one piece cast aluminum arbor/mandrel combination with a 7/16 in. (11 mm) pilot drill. The webbed mandrel allows easy plug removal and a built-in arbor eliminates the need for separate arbor attachments.



HSX 13 in. (330 mm) Arbor Extension

Specifications

Vent Saws		
Catalog Number	Description	Depth of Cut in. (mm)
HSW68	Vent Saw	2 (50.8)
HSW97	Vent Saw	2 (50.8)
HSRD	Replacement Pilot Drill	—
HSX	13 in. (330 mm) Arbor Extension fits Malco Vent Saw®	—
Replacement Blades		
HSW68	RBW68	—
HSW97	RBW97	—



WARNING:

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



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




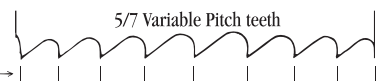




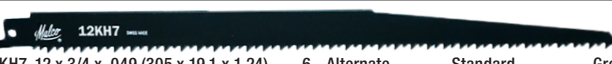



Wood, Metal, Plaster & General Purpose

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.

Specifications: Wood Cutting and Plaster

Catalog Number	Nominal L x W x Thickness in. (mm)	Teeth per in. (25.4 mm) Set	Tooth Form	Tooth 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
					 5/7 Variable Pitch teeth
 12KH8	12 x 3/4 x .049 (305 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.
 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 (High Carbon Steel)					
 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.
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.

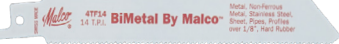








Select the Right Blades for the job!

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.

Specifications: Metal Cutting and General Purpose

Catalog Number	Nominal L x W x Thickness in. (mm)	Teeth per in. (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 for 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	
 3MC24	4 x 3/4 x .031 (102 x 19.1 x 0.79)	24	Wavy	Standard	Milled	3MC24 used for metal sheet, pipe, and 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	4MC24 used for metal sheet, pipe, and profiles under 18 gauge (1.22 mm).
 9MC10	9 x 3/4 x .050 (229 x 19.1 x 1.27)	10/14	Raker	Var. / Stan.	Milled	STRAIGHT PROFILE - VARIABLE PITCH 9MC10 used for pipe diameters to 4 in. (102 mm) O.D. *Note: Do not use to cut waste slack.
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 used for 18 gauge (1.22 mm) to 1/8 in. (3.2 mm) metals.
4MC18	6 x 5/8 x .031 (152 x 15.9 x 0.79)	18	Raker	Standard	Milled	
GENERAL PURPOSE BiMetal By Malco™						
 8PAP	8 x 3/4 x .051 (203 x 19.1 x 1.30)	—	Wavy	Special Progr.	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.



Channel Shears

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 ensures 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. Shear features rugged all steel and bolt construction. Handle has comfortable red vinyl grips.



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.

Specifications

Channel Shears

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)	.040 in. (1.02 mm)	.036 in. (0.91 mm)
SRC24A1 EV	inches (mm)	.040 in. (1.02 mm)	.036 in. (0.91 mm)
SRC24A2 SV	inches (mm)	.040 in. (1.02 mm)	.036 in. (0.91 mm)

Replacement Blades (All 3 Models)

Replacement Blade (All 3 models)
10627 Field Replaceable: One replacement blade and two spacers.



Enlarged Crimp Connection

PL1R

Punch Lock / Stud Crimper

Catalog Number	Description	Throat Depth in. (mm)	Net Wt. oz. (g)
PL1R	Punch Lock / Stud Crimper	1-1/2 (38.1)	16 (454)

Replacement Punch and Die

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



Work overhead and in tight corners!

CGPR

Ceiling Grid Punch

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 / Alloy Steel	9.5 (241)	16 (454)

Replacement Punch and Die

CGP18	1/8 in. (3.2 mm) Replacement Punch Only (Die is part of frame) for CGPR
-------	---

Replacement Part

5018	Handle Spring: Fits All Redline Handled Tool
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REDLINE® Punch Lock Stud Crimper

PL1R



Secures any width stud and runner without screws or other fasteners. Punch and die are easily replaceable. Maximum capacity 22 gauge stud and runner.

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. 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.

REDLINE® Ceiling Grid Punch

CGPR



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.

Malco's Ceiling Grid Punch makes clean 1/8 inch (3.2 mm) holes in up to three layers of 25 gauge (0.53 mm) ceiling grid. The tool's slim, but strong, "C" shaped steel frame ensures lightweight, one hand operation and allows easy access into tight corners. It is ideal for punching through main tees and perimeter wall angle that is to be secured with blind rivets. A generous throat opening allows full operation from the edge of both standard 1 inch and 1/2 inch (25.4 and 12.7 mm) grid profiles..



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.

Specifications

Catalog Number	Description	Diameter in. (mm)	Length in. (mm)	Net Wt. oz. (g)
R308	Pocket Size, swivel reamer	—	—	—
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)

Fitting Brushes



For use with copper tubing
Carbon steel crimped fill handle and stem. Available in three different sizes.

Plumbers Roll



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



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.

Specifications

Catalog Number	Description	Tubing O/D in. (mm)
AC310	1-1/2 in. x 10 yd. (38.1 mm x 9.14 m) brown roll	—
AC5M	1-1/2 in. x 5 yd. (38.1 mm x 4.57 m) mesh roll	—
FST	Fin Straightening tool for 8, 10, 12, or 14 fins per inch	—
FST2	Fin Straightening tool for 16, 18, 20, or 22 fins per inch	—

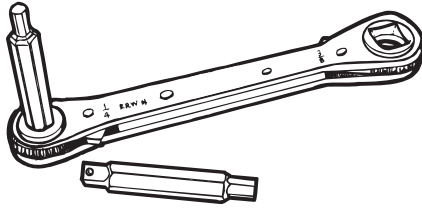
Heavy-Duty Tote Tray



Perfect for hand tools and fasteners
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.

Tote Tray			
Catalog Number	Description	Nominal Dimensions (L x W x H)	Net Wt. lbs. (kg)
1660	Tote Tray	15 x 10 x 4-1/2 (38 x 25 x 11)	1.75 (0.79)

Refrigeration Ratchet Wrenches



5/16 & 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.

RRW316


3/16 in. hex tip with 1/4 in. square shank.
2-3/16 in. O/A length

RRW316C*


3/16 in. hex tip with 1/4 in. square shank.
2-3/16 in. O/A length

RRW516


5/16 in. hex tip with 1/4 in. square shank.
2-1/8 in. O/A length

RRW3


3/16", 1/4" Square

5-1/2" O/A Length

5/16", 3/8" Square

RRW4


3/16", 1/4" Square

6-7/8" O/A Length

1/2", 9/16" Hex

**RRW5
Offset Design**


3/16", 1/4" Square

5-3/8" O/A Length

5/16", 3/8" Square

**OFFSET RATCHET WRENCH
SEE PAGE 99**

Specifications

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

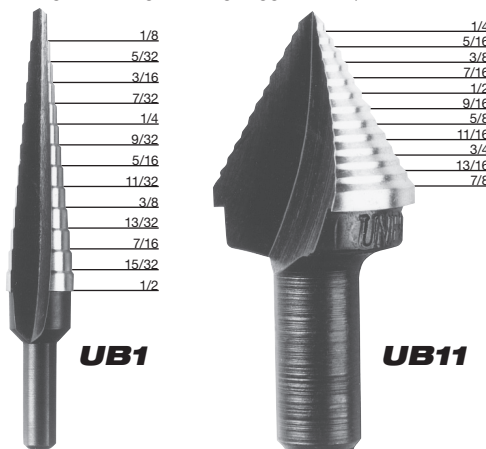
5/16 and 3/16 in. Hex Key Wrench Inserts

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

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).



Specifications

Step Drills

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
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

Hex Key Folding Sets

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



Produced from tough alloy steel.

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

Flat spring holds keys in any work position.

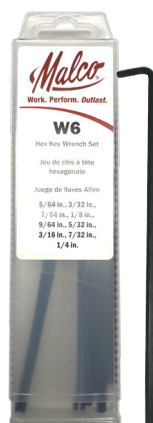
Smooth zinc plated case can be used as handle for extra leverage.

Refrigeration Length Hex Keys

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



W12
7 Piece Set
Big 12 in. Length



W6
9 Piece Set
6 in. Length



Ball Tip Wrench Set

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

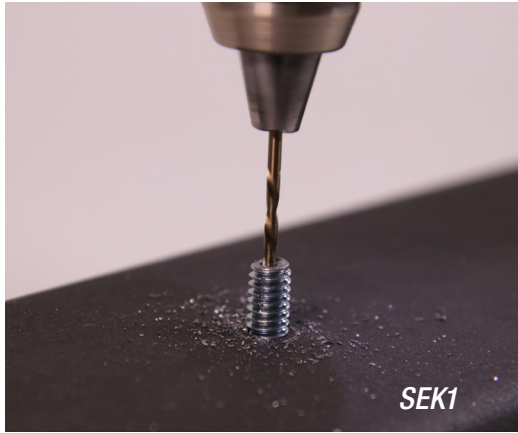
Big 6 and 9 inch sets consist of 8 sizes: 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, and 1/4 in.

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

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

Specifications

Hex Key Sets		Individual 6 in. Long Wrenches	
Catalog Number	Description		
WBL12S	12 Piece Ball Tip Wrench Set	WT618G	1/8 in. T-Hex Key 6 in. long
W19	9 Piece Hex Key Set (.050 - 3/16 in.)	WT6532G	5/32 in. T-Hex Key 6 in. long
W29	9 Piece Hex Key Set (5/64 - 1/4 in.)	WT6316G	3/16 in. T-Hex Key 6 in. long
W45	5 Piece Hex Key Set (3/16 - 3/8 in.)	9 in. Long "T" Handle Keys	
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.	Catalog Number	Description
W12	12 in. 7 sizes: 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, and 1/4 in.	WT9SG	9 in. Long T Handle Keys, 8 Sizes (3/32 - 1/4 in.)
Individual "L" 12 in. Long Hex Keys		9 in. Long "T" Handle Keys	
W12532	12 in. Long hex key size 5/32 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



There's an easier way to remove stubborn screws.



SEK1

10 Piece Screw Extractor Kit



FJ6180

20 Piece
Orifice Drill Set
Includes: PV1 Pin Vice



PV1

Use in hand or insert in drill chuck.
Pin Vice holds wire gauge drill sizes 61 to 80.

- 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).



Sheet Metal Drills

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



Double Ender Sheet Metal Drills

Two points for twice the life, twice the convenience! Available in bulk packs!

Specifications

Catalog Number	Description	Set Contents	Capacity	Length in.	
10 Piece Screw Extractor Kit					
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)	—		
20 Piece Orifice Drill Set					
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.			
Pin Vise					
PV1	Pin Vise	—	Ga. sizes 61-80	2.25	
Sheet Metal Drills (Fractional Sizes)					
Catalog Number	Description	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					
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

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 CG18

Designed for longer dispensing life



Trigger adjustment screw compensates for normal wear to assure full dispensing stroke and extend tool life. Rotating barrel for maneuverability and easy caulk placement.

Includes puncture wire

Professional Caulking Gun CG20

Square Piston Design



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

High Thrust Caulking Gun CGC1

NEW PRODUCT!



26:1 ratio drive for high performance in cold environments and high viscosity materials. Swiveling carriage that adjusts for hard to reach areas.

Includes puncture wire

Sausage Caulking Gun Tool Kit

CGS1

NEW PRODUCT!



CGSN1

Replacement Nozzles for CGS1



Sausage caulking gun tool kit with 12:1 ratio drive. Dispenses 10 oz, 13 oz, or 20 oz sausage packs. Includes parts to convert gun to dispense bulk or 10 oz / 12 oz cartridges.

Specifications

Caulking Guns

Catalog Number	Description	Cartridge Capacity	Cartridge Diameter	Length in. (mm)	Net Wt. oz. (g)
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	Professional Caulking Gun	1/10 gallon	2 (51)	8-1/2 (216)	28 (794)
CGC1	High Thrust Caulking Gun	1/10 gallon	2 (51)	8-1/2 (216)	28 (794)
CGS1	Sausage Caulking Gun Tool Kit	10-13-20 oz sausage pk, 10-12 oz cart.	2 (51)	8-1/2 (216)	28 (794)
CGSN1	Replacement Nozzles for CGS1	—	—	—	—

Break-Away Knife

BAK


Positive blade locking mechanism and a forever-sharp break-away point.
Supplied with 1 BAKRB blade in handle.

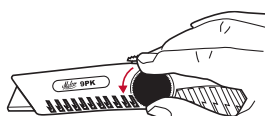


BAKRB (10 pack)
7 Point heavy duty break-away blades for model No. BAK.

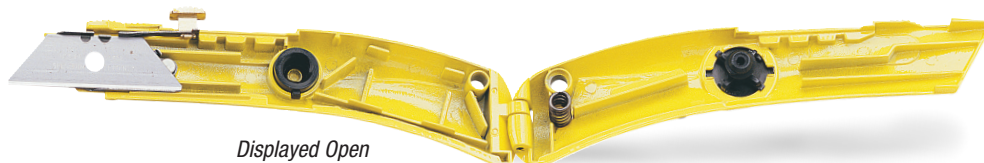
Quick Open Utility Knife

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 three 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

Utility Knife

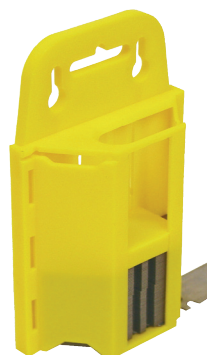
4PK


Die-cast heavy duty model comes complete with three 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.

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.

Specifications

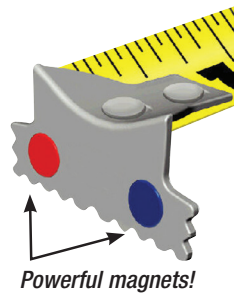
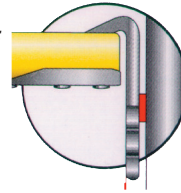
Utility Knives		Replacement Blades	
Catalog Number	Description	Catalog Number	Description
BAK	7 Point Break-Away Knife	BAKRB	Break Away Blades (10 pack, 7 points)
4PK	3 Position Utility Knife (top button)	UBS5	Straight Double Point Blades (5 pack carded)
9PK	Quick Open Utility Knife	UBS50	Straight Double Point Blades (50 pack dispenser)
		UBH5	Hook Point Blades (5 pack carded)

Magnetic Tape Measures

Malco's "Magnetic Tip" tape measures are ideal for every ferrous metal working project! A powerful magnet and self-supporting 1 in. (25.4 mm) wide blade makes one-person measurements and measuring elevations an easy task.



Zero commencement:
when hanging and pulling magnet,
deduct 1/16 in. from measurement.



Powerful magnets!

Non-Magnetic Tape Measures



Malco's non-magnetic tape measures offered in 25 in. and 30 in lengths. Both tape measures have a 1 in wide blade with a double riveted tip connection. A rubber-clad housing ensures toughness for everyday use.

Specifications

Tape Measures

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

Rotary Percussion Bits



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

Specifications

Carbide Tipped Rotary Percussion Bits

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

Electrical Pliers

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.



Specifications

Electrical Pliers

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)
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)

Aluminum Straight Edge Rule



48AR

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.

Tinner's Circumference Rules



48BS Semi-Flexible

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.

Precision Multi-Use Combination Square



SCS12 12 in. with solid mounted vial

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, 1/16, 1/32 in., with cm and mm graduations 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.

Specifications

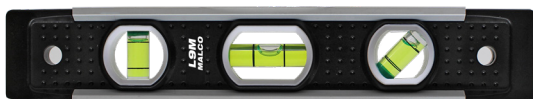
48 in. Straight Edge					
Catalog Number	Description	Upper Scale Graduations (in.)	Lower Scale Graduations	Graduations (in.)	Net Weight lbs. (oz)
48AR	48 in. Aluminum Straight Edge Rule	—	—	Increments to 1/16	1 (16)
48 in. Tinner's Circumference Rules					
48BS	48 in. Tinner's Circumference Rule (Semi-Flexible)	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	—	—
Combination Square					
SCS12	Combination Square 12 in. with solid mounted vial	—	—	—	12 (340)

Professional Grade Aluminum Torpedo Level



- ### L9
- Professional grade solid aluminum frame.
 - Three easy-read vials with white surrounds.
 - V-grooved working edge for use on pipe and conduit.

Magnetic Aluminum Torpedo Level



- ### L9M
- Full length magnetic strip.
 - Professional grade solid aluminum frame.
 - Three easy-read vials with white surrounds.
 - V-grooved working edge for use on pipe and conduit.

Magnetic Tip Pocket Level



- ### L5
- Strong Magnetic pick-up tip.
 - V-Grooved edge fits pipe and conduit.
 - Use to check electrical boxes and thermostats.
 - Durable plastic molded frame.

Specifications

Levels				
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	—

10627	72
12F	50
12KH7	70
12KH8	70
127TCS	65
1660	74
18	54
18F	50
2DH	52
2IN1	67
24	54
24F	50
274TCS	65
3MC24	71
48AR	81
48BS	81
48CR	81
4DL6	70
4GT7	70
4IN1	25
4IN1i	25
4KH6	70
4KH7	70
4KH8	70
4MC14	71
4MC18	71
4MC24	71
4P6	70
4PK	79
4TF14	71
4TF18	71
5018	73
75046	65
8KH7	70
8PAP	71
9MC10	71
9PK	79

A

A0	54
A2	54
A20	54
A3	54
A40	54
A50	54
A60	54
AA42D	66
AA42DW	66
AA44D	66
AA44DW	66
AC310	74
AC5M	74
AV1	37
AV2	37
AV3	37
AV33	37
AV63	37
AV73	37
AV6	37
AV7	37
AV8	37
AV9	37
AVM6 EV	38
AVM7 EV	38

B

BAK	79
BAKRB	79
BHE10	24
BHE12	24
BHE3	24
BHE6	24
BT131	17
BT132	17
BT133	17
BT134	17
BT141	17
BT142	17
BT143	17
BT144	17
BT153	17
BT156	17
BT163	17
BT164	17
BT231	17
BT233	17

C

C5A2	29
C5A2RD EV	29
C5R	43
C6R	43
CB	26
CB100	26
CBB	26
CDR	53
CG10	78
CG12	78
CG18	78
CG20	78
CGC1	78
CGS1	78
CGSN1	78
CGP18	73
CGPR	73
CONNECT1	20
CONNECT2	20
CONNECT3	20
CR18	67
CS42D	66
CT425	80
CT430	80

D

D4AST	55
D5100	55
D5AST	55
D6100	55
D6AST	55
D6HT100	55
D6HTAST	55
D7AST	55
D7HT100	55
D7HTAST	55
D8AST	55
D8HT100	55
D8HTAST	55
DB1	53
DE1/4	77
DE1/8	77

DE1/8B	77
DE3/16	77
DE30	77
DE30B	77
DE9/64	77
DK6S	59
DR69	55
DR70	55
DR71	55
DS1	51
DS1C	51
DS2	51
DS3	51
DSKR	44
DSKRBP	44

E

ER41	67
ER44	67
ER45	67
ER46	67

F

FB1	74
FB1/2	74
FB3/4	74
FBS1BX	60
FBS2BX	60
FBSN	60
FBSN1	60
FBSN2	60
FBSNS	60
FBSNW	60
FDC1	58
FDC2	58
FDC3	59
FDS1	57
FDSH	59
FJ6180	77
FST	74
FST2	74

H

H1100	55
H30	69
H32	69
H38	69
H44	69
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HC1B	27
HC1D	27
HC1E	27
HC1G	27
HC1H	27
HC1I	27
HC1K	27
HC2	26
HHD1	21
HHD1S	21
HHD1T	21
HHD2	21
HHD2S	21
HHD2T	21
HHD3	21
HHD3S	21
HHD3T	21

HP18KR	52
HPD18	52
HPD316	52
HR37	67
HSB	69
HSRD	69
HSW68	69
HSW97	69
HSX	69
HW10X1/2Z	15
HW10X1-1/2	15
HW10X1Z	15
HW10X2	15
HW10X3/4Z	15
HW12X2	15
HW6X3/8Z	15
HW6X3/8ZCL	15
HW6X3/8ZMB	15
HW6X3/8ZRB	15
HW6X3/8ZW	15
HW7X1/2Z	15
HW7X1/2ZA	15
HW7X1/2ZCC	15
HW7X1/2ZCL	15
HW7X1/2ZRB	15
HW7X1/2ZW	15
HW8X1/2Z	15
HW8X1-1/2Z	15
HW8X1-1/2ZW	15
HW8X1Z	15
HW8X1ZRB	15
HW8X1ZW	15
HW8X2Z	15
HW8X2ZW	15
HW8X3/4Z	15
HW8X3/4ZRB	15
HW8X3/4ZW	15
HW8X3ZW	15

L

L5	81
L9	81
L9M	81

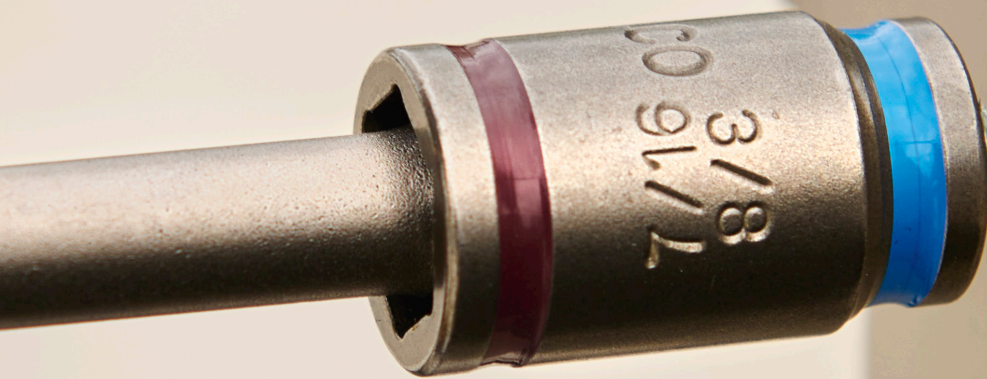
M

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M12NG	31
M12NRB	31
M14A	33
M14N	33
M14NRB	33
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MBLP4	24
MBSP2	24
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MC12LRB	31
MC12N	31
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MC12NRB	31
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MSH38	21
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MSH516T	21
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MSHC1	8
MSHC3	10
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MSHCM3	9
MSHCST	11
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MSHL38I	23
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