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Supplying the Aerospace, Defense & Metal Working Industries Since 1951!

Minimum Order

\$100.00 List Price

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Net 30 days on approved credit only.
Approved credit cards.
Prepaid via check or wire transfer.

No C.O.D. shipments.

Returns

Return authorization is required.
Merchandise must be sent freight prepaid to the facility from which it was purchased.
A 20% restocking charge is applicable.

All claims must be made within 7 days of receipt of goods.

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All special orders may require prepayment.

Currency

All prices are in US dollars.

Overseas Customer Terms

Same as above, only **prepayment via bank wire transfer (all fees for buyers account) or by bank check.**

US Air Tool Company (also known as USATCO) has been a family owned and operated business since 1951. We are now a US manufacturer and worldwide distributor of high quality tools for the aviation industry with offices in New York & California. In addition, from the beginning of the homebuilder era in the 1970's, USATCO has been providing tools and equipment to craftsmen around the world who build and fly their own aircraft. These "sheet-metal artists" are now flying thousands of planes built and maintained with USATCO tools.

USATCO offers the highest quality products at competitive prices, with the knowledge and experience necessary for expert advice in product selection. Our courteous staff will be pleased to assist you. And of course, all the products we offer are fully guaranteed. If you don't see what you are looking for, please don't hesitate to contact us. We work hard to provide our customers with straightforward & reliable business. Try us & see!

USATCO.com

Don't forget to check out USATCO Online, with monthly sales, homebuilder specials, surplus items & an easy to use interface its a great place to shop for tools on the web. www.USATCO.com

Government IMPAC Cards Accepted

USATCO Tool Repair

We repair all major brand pneumatic tools on our premises. We are an official repair station for Cherry Textron[®], Chicago Pneumatic[®], and Cooper[®] Power Tools (including Dotco[®], Gardener Denver[®], Buckeye[®] and Doler[®]). In addition, we have our own manufacturing and modification facilities. We are riveting and product assembly specialists!

We will be happy to examine your tools free of charge and give you an estimate of repair cost. Ship prepaid to any of our facilities. Please send tensiometers to our New York Lab only.

Please ask about our tool rental policy!

Limited Warranty

If for any reason you are not completely satisfied with any item purchased from us you may request a return authorization within seven (7) days of receipt of goods. When obtained, send us the item (transportation prepaid) for replacement, repair or refund. Tools manufactured by USATCO are warrantied for one (1) year from date of purchase. We cannot assume liability for abuse, misuse or alteration of goods. Any tampering with tools or attempted repairs of same will nullify this warranty. Warranties from other manufacturers available upon request.

HAND TOOLS

Aviation Snips



04-DAR-10G



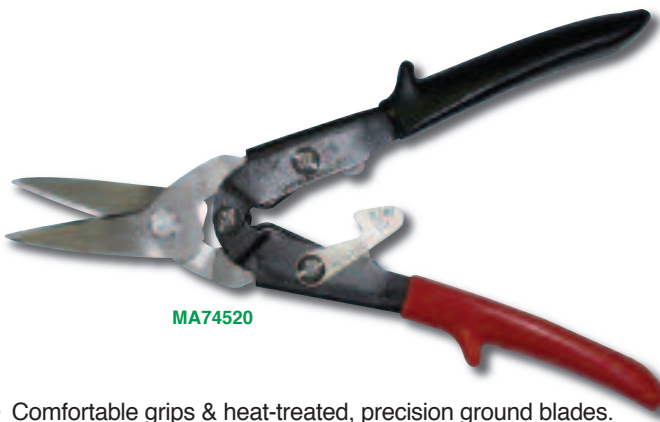
04-DAS-10G

- Easy cutting action on up to 18 gauge metal.
- Forged blades with serrated cutting edges to prevent slipping.
- Handles have smooth vinyl grips with thumb stops.

| Part Number | Cut | Blade | Overall Length | Weight |
|-------------|----------|--------|-----------------|----------------------|
| 04-DAS-10G | Straight | 1-3/4" | 10" (254 mm) | 0.8 lbs (0.4 kgs) |
| 04-DAR-10G | Right | 1-3/8" | | |
| 04-DAL-10G | Left | 1-3/8" | | |

| Part Number | Description |
|-------------|-----------------------------------|
| 53-70453 | 3 PC Set (left, right & straight) |

Klenk® Aviation Snips



MA74520

- Comfortable grips & heat-treated, precision ground blades.
- Serrated blades draw work into cutting edge for clean cuts.
- Built in off-blade wire cutter eliminates nicked snip blades.

| Part Number | Cut | Cut Length | Overall Length |
|-------------|----------|-------------------|---------------------|
| MA70500 | Left | 1-1/2" (38 mm) | 10-1/2" (267 mm) |
| MA70510 | Right | | |
| MA70520 | Straight | | |

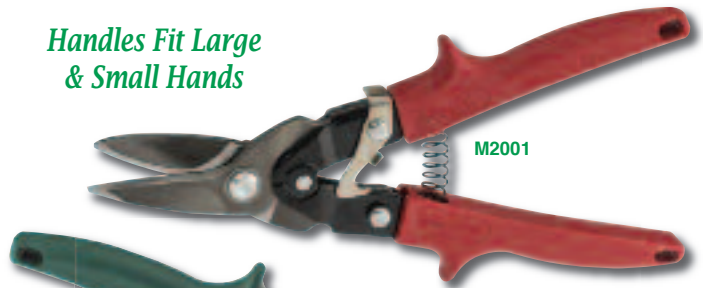
Serrationless Aviation Snips

- No teeth marks in metal - great when a smooth edge is needed.
- Also works great with pre-coated metals & zinc metals.

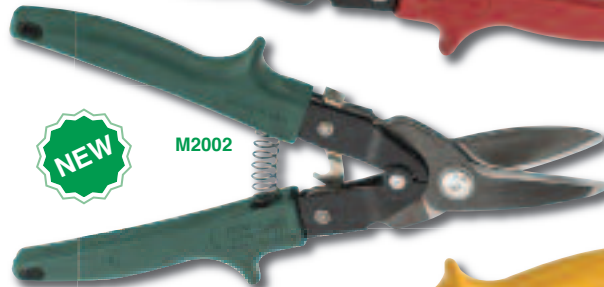
| Part Number | Cut | Overall Length |
|-------------|--------------------------|---------------------|
| MA74510 | Straight & Slight Curves | 10-1/2" (267 mm) |
| MA74520 | Straight & Left | |
| MA74530 | Straight & Right | |

Malco® Ergonomic Aviation Snips

*Handles Fit Large
& Small Hands*



M2001



M2002



M2003

*Adjustable
Pivot Bolt*



M2007

*Made In
The USA*



M2006

Hardened Alloy Steel Blades

- Superior, hardened blade edges for maximum cutting life.
- Wide-opening jaws with a serrated lower blade for fast controlled cuts in vinyl plastics, layered metals and seams.
- Riveted, head-to-handle compound linkage multiplies hand leverage.
- Precisely ground blades cut into tight spaces and flush to 90° walls.

| Standard | | | |
|-------------|-----------|------------------|------------------|
| Part Number | Cut | Cut Length | Overall Length |
| M2001 | Left | 1-3/8" (35 mm) | 10-3/4" (273 mm) |
| M2002 | Right | 1-3/8" (35 mm) | 10-3/4" (273 mm) |
| M2003 | Straight* | 1-11/16" (43 mm) | 10-3/4" (273 mm) |

* M2003 also will cut left & right angles.

| Offset | | | |
|-------------|-------|----------------|------------------|
| Part Number | Cut | Cut Length | Overall Length |
| M2006 | Left | 1-1/4" (32 mm) | 10-3/4" (273 mm) |
| M2007 | Right | 1-1/4" (32 mm) | 10-3/4" (273 mm) |

Note: Cuts straight, sharp angles in one direction & 5° circles in the other direction.

Klenk® Offset Snips

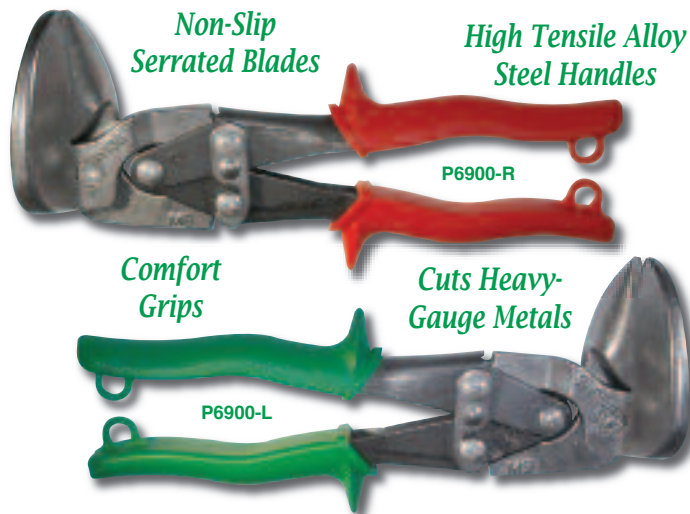


MA75200

- Shorter handles & less travel for easier work with a full cut.
- Handles straight cuts, tight curves, angles & circles easily.

| Part Number | Cut | Cut Length | Overall Length |
|-------------|-------|-------------------|---------------------|
| MA75200 | Left | 1-3/8" (35 mm) | 10-1/2" (267 mm) |
| MA75210 | Right | | |

Compound Action Offset Snips



*Non-Slip
Serrated Blades*

*High Tensile Alloy
Steel Handles*

*Comfort
Grips*

*Cuts Heavy-
Gauge Metals*

- Vertical offset blades keep hands clear of material.
- Spring action for fast & effortless material feed.

| 18 Gauge Low Carbon Steel Capacity | | | |
|------------------------------------|------------------|-------------------|--------------------|
| Part No. | Cut | Cut Length | Overall Length |
| P6900-L | Left & Straight | 1-7/8" (48 mm) | 8-1/2" (216 mm) |
| P6900-R | Right & Straight | | |

Bessey® Long Nose Offset Snips

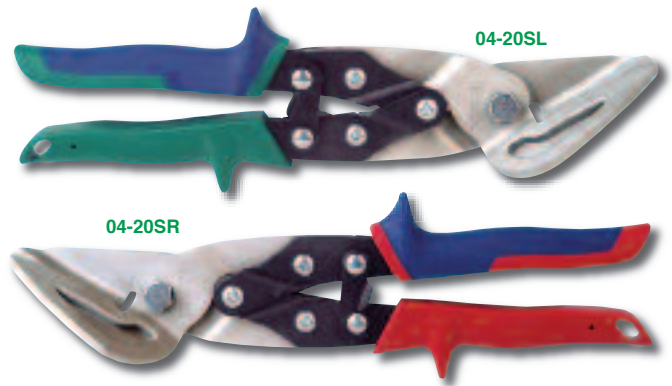
Soft Inlay Handle Powerful Compound Action



- High grade steel continuous cut blades - HRC up to 62.
- Angled cutter heads keep hands free from work.
- Compound action for better cutting performance.
- For long continuous straight & large radius cuts.

| Part Number | Capacity | Cut | Cut Length | Overall Length |
|-------------|----------|------|----------------|----------------|
| D22AL-BE | 1.2 mm | Left | 2-1/2" (64 mm) | 11" (279 mm) |

Offset Snips



04-20SL

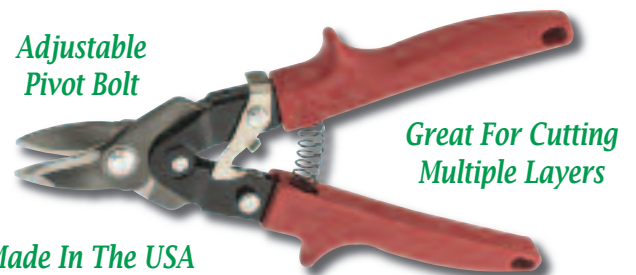
04-20SR

| Part Number | Cut | Overall Length |
|-------------|-------|-----------------|
| 04-20SL | Left | 9-1/2" (241 mm) |
| 04-20SR | Right | |

Note: Cuts straight, sharp angles in one direction & 5" circles in the other direction.

| Part Number | Description |
|-------------|-------------------------|
| 53-20SLR | 2 PC Set (left & right) |

Malco® Ergonomic Bulldog Snips



*Adjustable
Pivot Bolt*

*Great For Cutting
Multiple Layers*

Made In The USA

- Hardened blades offer controlled notching and trimming out to the blade tip in heavy gauge metal or layered metal and seams.
- Riveted, head-to-handle compound linkage multiplies hand leverage.
- Precisely ground blades cut into tight spaces and flush to 90° walls.

| Part No. | Cut Length | Overall Length | Weight |
|----------|-----------------|----------------|------------------|
| M2005 | 1-1/16" (27 mm) | 10" (254 mm) | 13 oz (0.37 kgs) |

Klenk® Bulldog Snips



*18 Gauge
Stainless
Capacity*

- Hardened, serrated blades with a short bite for more power.
- Ideal for T-bar & extruded aluminum frame.

| Part No. | Cut Length | Overall Length | Weight |
|----------|--------------|-----------------|---------------------|
| MA74500 | 3/4" (19 mm) | 9-1/8" (232 mm) | 0.76 lbs (0.34 kgs) |

HAND TOOLS

Bulldog Pattern Tinner Snips

Heavy-Duty, High Leverage



Hot Forged Molybdenum Steel

Note: For straight cuts & heavy gauge notching.

| Part Number | Cut Length | Overall Length | Weight |
|-------------|------------|----------------|-------------------|
| 04-M15 | 2-1/4" | 16" (406 mm) | 3.8 lbs (1.7 kgs) |

IRWIN® Duckbill Tinner Snips

Hot Forged Molybdenum Steel

04-D10



7" model great for cutting shims & gaskets.

Note: For cutting patterns & smooth, tight curves in either direction.

| Part Number | Cut Length | Overall Length | Weight |
|-------------|------------|----------------|-------------------|
| 04-D7 | 1-1/2" | 7" (178 mm) | 0.5 lbs (0.2 kgs) |
| 04-D10 | 2-1/2" | 10" (254 mm) | 0.6 lbs (0.3 kgs) |
| 04-D12 | 3" | 12" (305 mm) | 1.6 lbs (0.7 kgs) |

Bessy® SuperPower Snips

Oversized Handle Loops

D-SPC8



Self-Opening Jaws

D-SPS8

Powerful Compound Action

- Needs 50% less hand force than ordinary pattern snips.
- Compound action for better cutting performance.

Note: For straight & left curving cuts.

Straight, 1.2 mm Material Capacity

| Part Number | Cut Length | Overall Length |
|-------------|----------------|------------------|
| D-SPS8 | 1-3/4" (45 mm) | 8-1/2" (216 mm) |
| D-SPS11 | 2-1/4" (57 mm) | 11-1/2" (292 mm) |

Offset, 1.2 mm Material Capacity

| Part Number | Cut Length | Overall Length |
|-------------|----------------|------------------|
| D-SPC8 | 1-3/4" (45 mm) | 8-1/2" (216 mm) |
| D-SPC11 | 2-1/4" (57 mm) | 11-1/2" (292 mm) |

IRWIN® Standard Tinner Snips

04-MD10



Flat inside edge guides straight line cutting.

| Part Number | Cut Length | Overall Length | Weight |
|-------------|------------|----------------|-------------------|
| 04-MD7 | 2" | 7" (178 mm) | 0.5 lbs (0.2 kgs) |
| 04-MD10 | 2-3/4" | 10" (254 mm) | 0.6 lbs (0.3 kgs) |
| 04-MD12 | 3-1/4" | 12" (305 mm) | 1.6 lbs (0.7 kgs) |

Note: For straight cuts, wide curves & notching.

Malco® Aluminum Handle Snips

1/3 The Weight Of Steel Types



M12A

MC14A

Made In The USA

- Versatile snips with sleek head design and a full 3" cut length.
- Easy blade replacement and comfortable, larger handle loops.

Pattern Snips

| Part Number | Cut Length | Overall Length | Weight |
|-------------|------------|----------------|-------------------|
| M12A | 3" | 12" (305 mm) | 1 lbs (0.5 kgs) |
| M14A | 3-1/4" | 14" (356 mm) | 1.4 lbs (0.6 kgs) |

Note: Cuts straight & mild curve cuts. Will also cut multiple layered material.

Combination Snips

| Part Number | Cut Length | Overall Length | Weight |
|-------------|------------|----------------|-------------------|
| MC12A | 3" | 12" (305 mm) | 1 lbs (0.5 kgs) |
| MC14A | 3-1/4" | 14" (356 mm) | 1.4 lbs (0.6 kgs) |

Note: Cuts straight & left or right circles down to 6" diameter.

Replacement Blades

| Part Number | For Tool | Part Number | For Tool |
|-------------|----------|-------------|----------|
| M12ARB | M12A | MC12ARB | MC12A |
| M14ARB | M14A | MC14ARB | MC14A |

Compact Snips



- Compact size for both fast shearing & tight pattern cuts.
- Narrow, exposed nose operates in clearances down to 1/2".
- Cuts straight and left or right circles down to 6" diameter.

| Part Number | Cut Length | Overall Length |
|-------------|------------|----------------|
| M2010 | 2" (51 mm) | 10" (254 mm) |

Light Metal Cutting Snips

Forged, High Quality Tool Steel



04-57C

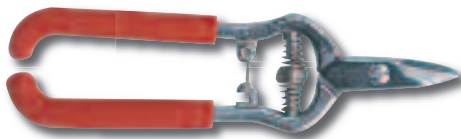
- Short & powerful precision ground blades.
- Superior hardened edges for cutting light metal.

| Part Number | Blade Type | Cut Length | Overall Length |
|-------------|------------|--------------|----------------|
| 04-54 | Straight | 3/4" (19 mm) | 7" (178 mm) |
| 04-57C | Curved | | |

Kevlar Fabric Hand Shears & Scissors



04-468



04-605



04-330

| Part Number | Type | Cut Length | Overall Length |
|-------------|------------|------------|-----------------|
| 04-605 | Trim Snip | 3/4" | 5" (127 mm) |
| 04-468 | Knife Edge | 2-3/4" | 8-1/4" (210 mm) |
| 04-330 | Serrated | 4-1/2" | 10" (254 mm) |

Note: For cordless electric kevlar scissors see page 237.

Pinking Shears



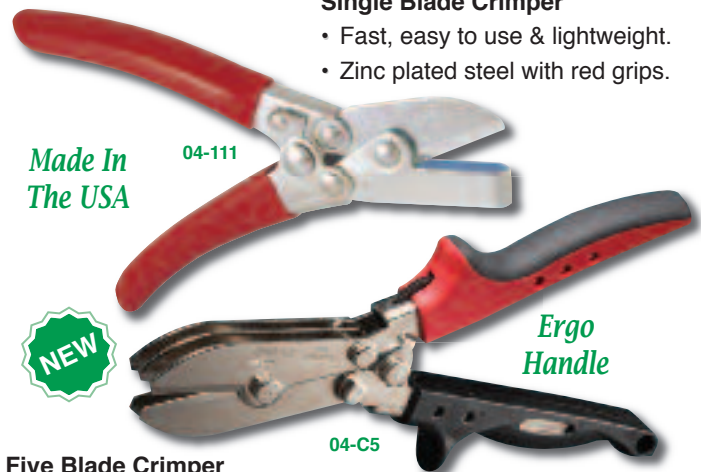
- Lightweight & durable ABS plastic handle.
- Deep cut teeth are specially hardened for long wear.
- High quality stainless steel blades with ravel-resistant edge.

| Part Number | Overall Length |
|-------------|----------------|
| 04-P91 | 8" (203 mm) |

Malco® Crimpers

Single Blade Crimper

- Fast, easy to use & lightweight.
- Zinc plated steel with red grips.



Made In The USA

04-111



Ergo Handle

04-C5

Five Blade Crimper

- Ergo handles with a powerful 7:1 mechanical advantage.
- Handle closing stop maintains a consistent crimp.
- Hardened all-steel construction and a nickel chrome finish.

| Part Number | Blade | Jaw Size | Overall Length | Weight |
|-------------|--------|----------|----------------|-----------------|
| 04-111 | Single | 1-1/4" D | 8" (203 mm) | 8 oz (0.25 kgs) |
| 04-C5 | Five | 1-5/8" D | 10" (254 mm) | 17 oz (0.5 kgs) |

Malco® Notcher



Made In The USA

Ergo Handle



- Ergo handles with a powerful 7:1 mechanical advantage.
- Drop forged jaw makes clean, 30° v-shaped cuts in sheet metal.
- Hardened all-steel construction and a nickel chrome finish.

| Part No. | Steel Cap. | Throat | Overall Length | Weight |
|----------|------------|--------|-----------------|-----------------|
| 04-N1 | 24 Gauge | 13/16" | 8-1/2" (216 mm) | 16 oz (0.5 kgs) |

HAND TOOLS

Quick-Snip Hand Nibbler



- Heavy-duty, industrial quality.
- No distorting, burring or curling at edges of cut.

| Part Number | Capacity Steel | Capacity Aluminum |
|-------------|----------------|-------------------|
| 04-J1251 | 18 Gauge | 15 Gauge |

Monodex Hand Nibbler



- Durable & lightweight plastic.
- No distorting, burring or curling at edges of cut.

| Part Number | Cap. Brass & Copper | Capacity Aluminum |
|-------------|---------------------|-------------------|
| 04-J1351 | 17 Gauge | 15 Gauge |

Nibbling Hand Tool

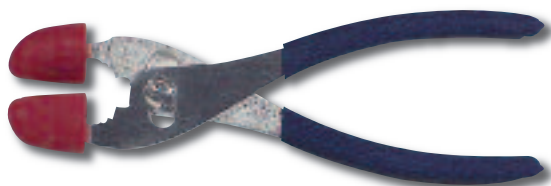


*Cuts Clean Like
A Punch & Die*

Unit cuts round, square and irregular holes to any shape & size over 7/16".

| Part Number | Description | Capacity Steel |
|-------------|--------------------|----------------|
| 04-6 | Nibbling Hand Tool | 18 Gauge |
| 04-6-1 | Replacement Punch | — |

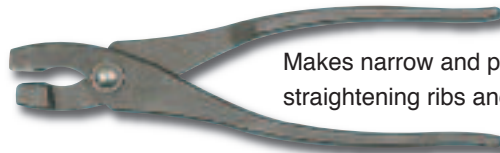
No-Mar Fluting Pliers



Our plastic coated jaws are used to stiffen ribs in cowling without marring the surface. Has a 1" reach and produces a 3/8" flute.

| Part Number | Overall Length |
|-------------|-----------------|
| 04-1120 | 8-1/4" (210 mm) |

Narrow Type Fluting Pliers



Makes narrow and precise flutes for straightening ribs and bulkheads.

| Part Number | Overall Length |
|-------------|----------------|
| 04-1220 | 10" (254 mm) |

Malco® Hand Seamers



*Made In
The USA*

*Ergo
Handles*

*Powerful
Compound
Leverage
Design*

- Drop-forged jaws with graduated 1/4 inch depth markings.
- Easily bend flanges or completely flatten seams from 1/4 to 1-1/4 inch deep in 24 gauge galvanized or mild steel.
- Ergo handles with a powerful 7:1 mechanical advantage.

| Part No. | Jaws | Overall Length | Weight |
|----------|---------------------|-----------------|------------------|
| 04-S2 | 3-1/4" W x 1-1/4" D | 8-3/4" (222 mm) | 24 oz (0.68 kgs) |
| 04-S3 | 3-1/4" W x 1-1/4" D | 8-1/2" (216 mm) | 24 oz (0.68 kgs) |
| 04-S6 | 6" W x 1-1/4" D | 8-3/4" (222 mm) | 30 oz (0.85 kgs) |

Hand Seamer

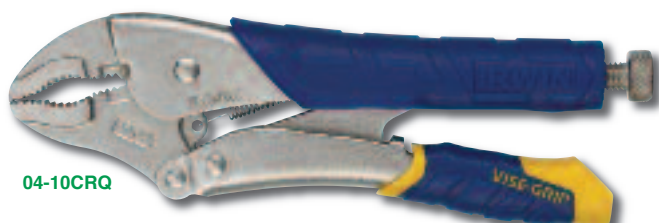
Strong, Lasting Construction



Makes Permanent, Tight Fitting Seams

| Part Number | Jaws | Overall Length | Weight |
|-------------|-----------------|----------------|-------------------|
| 04-44 | 3-1/2" W x 1" D | 8" (203 mm) | 1.1 lbs (0.5 kgs) |

IRWIN Vise-Grip® Locking Jaw Pliers

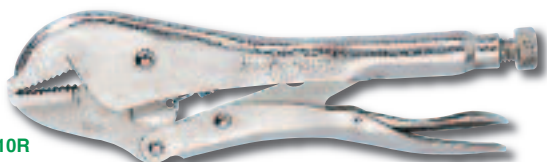


04-10CRQ

- Classic design is constructed from high-grade heat treated alloy steel for maximum toughness and durability.
- Guarded release trigger and hardened teeth designed to grip workpiece from any angle.
- Hex key adjusting screw tightens to adjust pressure and draw materials together and provides a controlled release.

Fast Release Cushioned Grip Models (shown above)

- One-handed, triggerless release is two times easier to open than traditional locking pliers.
- Anti-pinch, non-slip grips provide comfort and control with less hand fatigue. See below for available models.



04-10R

Straight Jaw Locking Pliers

| Standard Model | Fast Release Model | Jaw Thickness (Jaw Adj.) | Overall Length | Weight |
|----------------|--------------------|--------------------------|----------------|-------------------|
| 04-7R | 04-7RQ | 1/2" (0 to 1-1/8") | 7" (178 mm) | 0.9 lbs (0.4 kgs) |
| 04-10R | 04-10RQ | 5/8" (0 to 1-5/8") | 10" (254 mm) | 1.3 lbs (0.6 kgs) |



04-10CR

Curved Jaw Locking Pliers

| Standard Model | Fast Release Model | Jaw Thickness (Jaw Adj.) | Overall Length | Weight |
|----------------|--------------------|--------------------------|----------------|-------------------|
| 04-7CR | 04-7CRQ | 5/16" (0 to 1-5/8") | 7" (178 mm) | 0.8 lbs (0.4 kgs) |
| 04-10CR | 04-10CRQ | 7/16" (0 to 1-7/8") | 10" (254 mm) | 1.2 lbs (0.5 kgs) |

Curved Jaw Locking Pliers With Wire Cutter

- Wire cutter will handle anything up to 1/4" bolt.

| Standard Model | Fast Release Model | Jaw Thickness (Jaw Adj.) | Overall Length | Weight |
|----------------|--------------------|--------------------------|----------------|--------------------|
| 04-4WR | — | 7/32" (0 to 15/16") | 4" (102 mm) | 0.3 lbs (0.14 kgs) |
| 04-5WR | 04-5WRQ | 1/4" (0 to 1-1/4") | 5" (127 mm) | 0.4 lbs (0.18 kgs) |
| 04-7WR | 04-7WRQ | 5/16" (0 to 1-5/8") | 7" (178 mm) | 0.8 lbs (0.4 kgs) |
| 04-10WR | 04-10WRQ | 7/16" (0 to 1-7/8") | 10" (254 mm) | 1.2 lbs (0.5 kgs) |

IRWIN Vise-Grip® Locking Jaw Pliers (cont'd)



04-6LN

Long Nose Locking Pliers With Wire Cutter

- Tapered nose ideal for delicate work, tight spaces & small parts.

| Standard Model | Fast Release Model | Jaw Thickness (Jaw Adj.) | Overall Length | Weight |
|----------------|--------------------|--------------------------|----------------|--------------------|
| 04-4LN | — | 1/8" (0 to 1-5/8") | 4" (102 mm) | 0.3 lbs (0.14 kgs) |
| 04-6LN | 04-6LNQ | 5/32" (0 to 2-1/4") | 6" (152 mm) | 0.4 lbs (0.18 kgs) |
| 04-9LN | 04-9LNQ | 3/16" (0 to 2-7/8") | 9" (229 mm) | 0.9 lbs (0.4 kgs) |

Bent Nose Locking Pliers With Wire Cutter

- Nose bent at 35° angle, excellent for hard to reach areas.

| Part No. | Jaw Thickness (Adj.) | O.A.L. | Weight |
|----------|----------------------|-------------|--------------------|
| 04-6BN | 5/32" (0 to 2-1/4") | 6" (152 mm) | 0.4 lbs (0.18 kgs) |
| 04-9BN | 3/16" (0 to 2-7/8") | 9" (229 mm) | 0.9 lbs (0.4 kgs) |

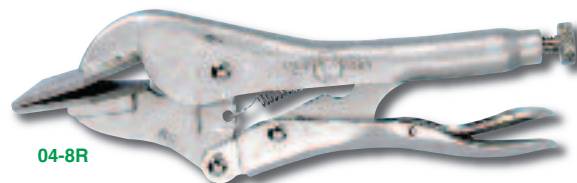


04-12LC

Locking Large Jaw

- Ideal for plumbers, mechanics & welders.
- Heavy-duty jaw locks around work of all shapes & will not slip.

| Part Number | Maximum Opening |
|-------------|-----------------|
| 04-12LC | 3-1/8" (79 mm) |



04-8R

Locking Sheet Metal Tool

- Makes bending, forming & crimping jobs easier & faster.

| Part No. | Jaw Size | Overall Length | Weight |
|----------|---------------------|----------------|-------------------|
| 04-8R | 1-3/4" D x 3-1/8" W | 8" (203 mm) | 1.3 lbs (0.6 kgs) |



04-9R

Welding Clamp

- Deep-throated U-shaped jaws hold work in proper alignment.

| Part No. | Jaw Size | Overall Length | Weight |
|----------|---------------------|----------------|-------------------|
| 04-9R | 2-3/4" D x 1-5/8" W | 9" (229 mm) | 1.4 lbs (0.6 kgs) |

HAND TOOLS

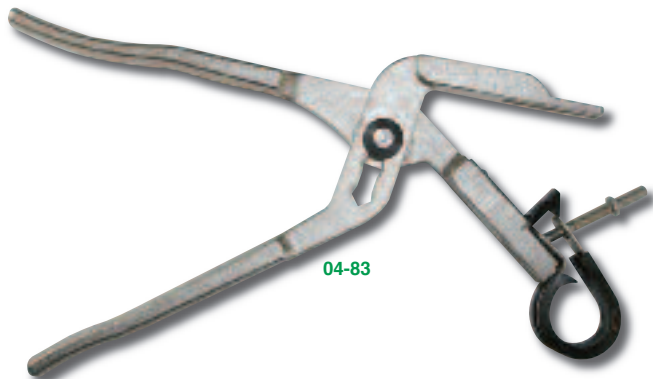
A-N Electrical Connector Pliers



With replaceable nylon inserts for protection of A-N connectors.

| Part Number | Description |
|-------------|---------------------------------|
| 04-529-10 | A-N Electrical Connector Pliers |
| 04-529-1 | Replacement No-Mar Pads |

Line Clamp Pliers



- Holds the clamp bolt, compresses & retains the line clamp(s).
- Up to 3 clamps on 1 assembly held in position by retaining pawl.
- More than 3 clamps or clamps w/spacers can be handled manually.
- For use on #10 hex or #10 12 point screws (3/8" hex heads).

| Part No. | For Use With |
|----------|--|
| 04-82 | Clamps or studs anchored on flat surfaces. |
| 04-83 | Tubes/wires clamped w/point of screw on back of clamp. |

Camloc Pliers



- For Camloc fasteners.
- With black-ox coating.

| Part Number | For Use With |
|-------------|-------------------------------|
| 04-4P3 | 2600, 2700 & 4002 Stud Series |

DZUS (Z-Lock) Driver



| Part Number | For Use With |
|-------------|---------------------|
| 70344 | #5 & #6 Stud Series |

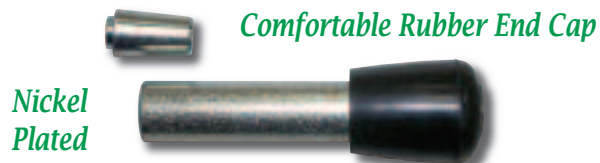
C-Lock Drill Jig



- Provides proper hole spacing for fastener receptacles and ensures that the rivet & center holes are accurately drilled.
- Premium tool steel drill bushings & guide pins.

| Part Number | For Use With |
|-------------|--------------------------|
| MS-T16 | 2600, 2700 & 4000 Series |

C-Lock Snap Ring Installation Tool



- Unit installs R4G and R4T snap ring stud retainers on the backside of all 4000 series C-Lock grommets.
- Cone-shaped insert spreads the snap ring while the tube handle pushes it onto the grommet.
- CNC machined from premium tool steel to close tolerances.

| Part Number | For Use With |
|-------------|--------------|
| MS-T26 | 4000 Series |

C-Lock Panel Dimpling Tools

Zinc Plated, Premium Tool Steel Construction



- Dimples thin sheet metal panels to accept C-Lock Fasteners.
- Makes a perfect dimple with proper countersink angle.

| Part Number | For Use With |
|-------------|----------------------------|
| MS-27DT | FJ4 (Z-Lock) & 2700 Series |
| MS-40DT | 4000 Series |

Wa-Wrench® Washer Wrench Set

- Great for inserting washers in hard to reach areas.
- .042" thick stainless steel, two sizes on each wrench.



| Part Number | Description |
|-------------|-------------------------------|
| 70393 | Set of 4 wrenches with pouch. |

“Ford” Wrenches

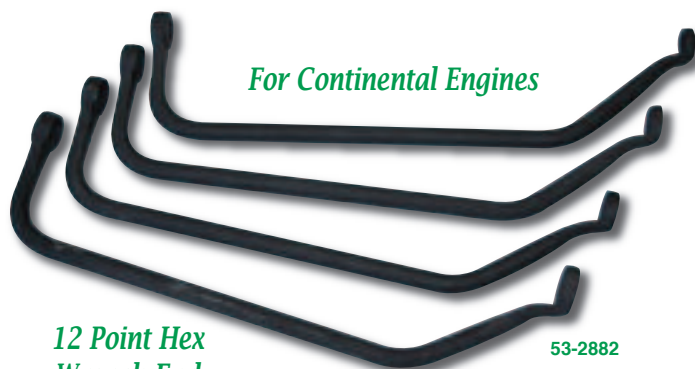


Exceeds Government Specifications

- Precision machined from Crescent® special analysis tool steel.
- Adjustable, smooth jaws for no-mar installation & removal of aircraft fittings manufactured by Crescent®. Chrome plated.

| Part Number | Jaw Opening | Overall Length |
|-------------|-----------------|----------------|
| C79H | 2-3/4" (70 mm) | 9" (229 mm) |
| C711H | 3" (76 mm) | 11" (279 mm) |
| C715 | 3-5/8" (92 mm) | 15" (381 mm) |
| C718 | 4-3/8" (111 mm) | 18" (457 mm) |

Cylinder Base Nut Wrenches



For Continental Engines

12 Point Hex Wrench End

53-2882

- Designed with a 1/2" square drive and built to last.
- Extra thin hex heads for easy access over the cylinder bolts.
- Made from tough, heat-treated alloy steel forging.

| Part Number | Hex * | Weight |
|-------------|-------|-----------------------|
| 04-2882 | 9/16" | 0.88 lbs (0.4 kgs) |
| 04-2882-2 | 1/2" | |
| 04-2882-3 | 5/8" | |
| 04-2882-4 | 3/4" | |

| Part Number | Description |
|-------------|-------------------|
| 53-2882 | Complete 4 PC Set |

* Engine usage: 9/16" (C85, 0-200, 0-300, G0-300, E-185, E-225, 0 & IO-470, IO-360, IO-520), 1/2" (A-65, C-85, 0-200, 0-300, G0-300, E-185, E-225, IO-360), 5/8" (A-65, 0-470, IO-520), 3/4" (Lycoming 0-390D, D2 and all wide deck lycoming engines).



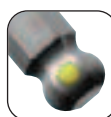
For Torque & Pneumatic Wrenches See Pages 136-138

Bondhus® Hex Key Sets

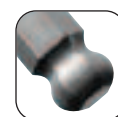


Made In The USA

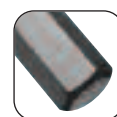
- Chamfered tips for fast insertion & full tool engagement.
- Marked & color coded case keeps keys organized.
- High torque steel construction with corrosion resistant finish.



ProHold Tip



Balldriver Tip



Hex Tip

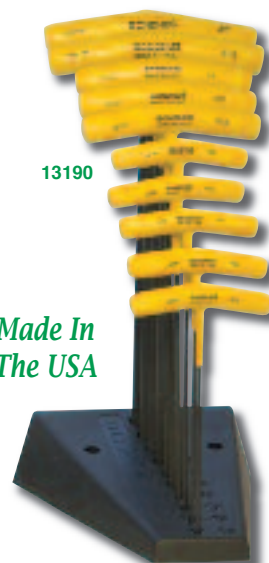
Note: Other sizes available, please inquire.

| Part Number | Tip Style | Set | Size Range |
|-------------|------------|-------------|----------------|
| 74937 | ProHold | 13 PC Inch | 0.050" to 3/8" |
| 10937 | Balldriver | 13 PC Inch | 0.050" to 3/8" |
| 12137 | Hex | 13 PC Inch | 0.050" to 3/8" |
| 74999 | ProHold | 9 PC Metric | 1.5 to 10 mm |
| 10999 | Balldriver | 9 PC Metric | 1.5 to 10 mm |
| 12199 | Hex | 9 PC Metric | 1.5 to 10 mm |

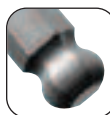
Bondhus® T-Handle Hex Key Sets

Graduated Lengths

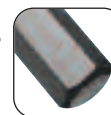
- Handle & blade are securely welded and will never loosen.
- Ergonomic handles shaped for comfort & control.
- Handle sizes are engineered to match torque capabilities.
- High torque steel construction with corrosion resistant finish.



Made In The USA



Balldriver Tip



Hex Tip

Note: Other sizes available, please inquire.

| Part Number | Tip Style | Set | Size Range |
|-------------|------------|-------------|---------------|
| 13190 | Balldriver | 10 PC Inch | 3/32" to 3/8" |
| 13390 | Hex | 10 PC Inch | 3/32" to 3/8" |
| 13189 | Balldriver | 8 PC Metric | 2 to 10 mm |
| 13389 | Hex | 8 PC Metric | 2 to 10 mm |

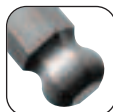
HAND TOOLS

Bondhus® Balldriver Hex Key Singles

Made In The USA



- Chamfered tips for fast insertion and full tool engagement.
- High torque steel construction with corrosion resistant finish.



Balldriver Tip

Note: Other sizes & styles available, please inquire.

| Part Number | Hex Size | Overall Length |
|-------------|----------|----------------|
| 15702 | 0.050" | 2.8" (72 mm) |
| 15703 | 1/16" | 3.0" (76 mm) |
| 15704 | 5/64" | 3.2" (81 mm) |
| 15705 | 3/32" | 3.4" (86 mm) |
| 15706 | 7/64" | 3.6" (90 mm) |
| 15707 | 1/8" | 3.8" (95 mm) |
| 15708 | 9/64" | 4.0" (101 mm) |
| 15709 | 5/32" | 4.2" (107 mm) |
| 15710 | 3/16" | 4.5" (114 mm) |
| 15711 | 7/32" | 4.9" (124 mm) |
| 15712 | 1/4" | 5.3" (133 mm) |
| 15713 | 5/16" | 6.0" (152 mm) |
| 15714 | 3/8" | 6.8" (171 mm) |

Bristol® Spline Drive Keys



4 & 6 Flute Design

S-033-4



S-060-6

Spline drive tools offer superior torque transmission because nearly 100% of the force is applied at right angles to the load bearing spline surfaces of the socket.

| Major Dia. | Flute Count | Part No. Short* | Part No. Long* |
|------------|-------------|-----------------|----------------|
| 0.033" | 4 | S-033-4 | — |
| 0.048" | 4 | S-048-4 | S-048-4L |
| 0.048" | 6 | S-048-6 | S-048-6L |
| 0.060" | 6 | S-060-6 | S-060-6L |
| 0.069" | 4 | S-069-4 | S-069-4L |
| 0.072" | 6 | S-072-6 | S-072-6L |
| 0.076" | 4 | S-076-4 | S-076-4L |
| 0.096" | 6 | S-096-6 | S-096-6L |
| 0.111" | 6 | S-111-6 | S-111-6L |

* Approximate overall lengths: short keys 1-1/4" to 2-1/2", long keys 3" to 4".

| Part Number | Description |
|-------------|--|
| SS-508 | 10 PC Kit: All Nine Short Keys & Carrying Case |

Note: Other sizes, styles & kits available, please inquire.

Bondhus® GorillaGrip® Fold-Up Hex Key Sets

- Handle does not conduct heat or cold.
- High torque steel hex keys with corrosion resistant finish.
- 90° stop converts the tool into a non-stop, time saving speed wrench.

12589

Handle 40% Stronger Than Steel Handles



Made In The USA

Note: Other sizes & styles available, please inquire.

| Part Number | Type | Size Range |
|-------------|------------|---------------|
| 12589 | Inch Set | 5/64" to 1/4" |
| 12587 | Metric Set | 2 to 8 mm |

Handi-Hex® Drivers



- General use & production assembly using socket screw products.
- Includes adjustable, replaceable Allen bit & bit change key.

| Part Number | Key Size |
|-------------|----------|
| 57400 | .028" |
| 57402 | .035" |
| 57404 | .050" |
| 57406 | 1/16" |
| 57408 | 5/64" |

| Part Number | Key Size |
|-------------|----------|
| 57410 | 3/32" |
| 57412 | 7/64" |
| 57414 | 1/8" |
| 57416 | 9/64" |

Gearwrench® Socket Sets

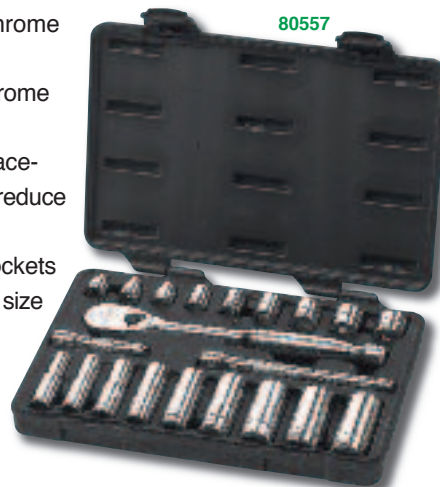
- 84 tooth full polish chrome thin profile ratchet.
- Knurled full polish chrome extensions*.
- Sockets feature Surface-drive® technology to reduce fastener rounding.
- Full polish chrome sockets with large hard stamp size markings.



Includes Case

* 80324 & 80326 include 2" & 6" - 80557 includes 3" & 6".

| Part No. | Type | Drive | Size Range |
|----------|------------------------------|-------|---------------|
| 80324 | 13PC SAE Set | 1/4" | 3/16" to 1/2" |
| 80557 | 21PC SAE Deep & Standard Set | 3/8" | 3/8" to 3/4" |
| 80326 | 14PC Metric Set | 1/4" | 4 to 13 mm |



80557

Brass Hammers

Non-Slip Cushion Grip



HSB-4

- Ideal for application which require non-sparking conditions.
- The flat surface brass head absorbs impact blows, reduces rebound and helps eliminate marred work surfaces.
- Fiberglass handle with cushion grip for greater comfort & safety.

| Part Number | Face Dia. | Overall Length | Weight |
|----------------|-----------|----------------|----------------|
| HSB-1.5 | 1" | 12" (30.5 cm) | 24 oz (680 g) |
| HSB-2.5 | 1-1/4" | 12" (30.5 cm) | 40 oz (1134 g) |
| HSB-4 | 1-5/8" | 12" (30.5 cm) | 64 oz (1814 g) |

Ball Pein Hammers

Hickory Handle



HBP-3-0

- Ideal for driving punches, chisels & other metalwork.
- Hammer heads are drop-forged from specially selected steel, then carefully heat treated for dependable service.

Note: Other sizes available, please inquire.

| Part Number | Face Dia. | Overall Length | Weight |
|----------------|-----------|-----------------|---------------|
| HBP-3-0 | 7/8" | 12-1/4" (31 cm) | 8 oz (227 g) |
| HBP-2-0 | 7/8" | 13-1/8" (33 cm) | 12 oz (340 g) |
| HBP-0 | 1-7/8" | 14-1/4" (36 cm) | 16 oz (454 g) |

Deadblow Hammers

Non-Marring & Non-Sparking



70331

Ergonomically Designed Handle

- Deadblow feature minimizes hammer bounce back, reducing fatigue and improving productivity.
- Hard urethane construction resists head cuts & damage.
- Hammer will not absorb liquids - made in the USA.

| Part Number | Face Dia. | Overall Length | Weight |
|--------------|-----------|-------------------|---------------|
| 70330 | 1-9/16" | 12" (30.5 cm) | 16 oz (454 g) |
| 70331 | 1-3/4" | 12-3/4" (32.4 cm) | 24 oz (680 g) |
| 70332 | 2" | 13-1/2" (34.3 cm) | 32 oz (907 g) |

Genuine Hickory Mallet

Coated In Clear Waterproof Sealer



- Ideal for forming sheet metal without marring.
- Head cemented & secured firmly with a steel pin.

| Part No. | Head Size | Overall Length | Weight |
|--------------|---------------------|----------------|---------------|
| WM502 | 2-1/2" D x 5-1/2" L | 13" (330 mm) | 16 oz (454 g) |

Garland® Mallets

Hickory Handle



11004

Made In The USA

Rawhide Mallets

- The best striking tool for metalwork, tool & die work.
- Prime-grade water buffalo hide head is tough & non-marring.

| Part Number | Face Dia. | Head Length | Weight |
|--------------|-----------|-------------|---------------|
| 11002 | 1-1/2" | 3" | 6 oz (170 g) |
| 11004 | 2" | 3-1/2" | 11 oz (312 g) |



15005

Plastic Mallets

- Head made from ultra-high-molecular-weight plastic that is nonporous, easy to clean & non marring on most surfaces.

| Part Number | Face Dia. | Head Length | Weight |
|--------------|-----------|-------------|---------------|
| 15002 | 1-1/2" | 3-1/2" | 6 oz (170 g) |
| 15005 | 2-1/2" | 4-7/8" | 19 oz (539 g) |



15009

Bossing Mallets

- Provides two different radii perfect for forming sheet metal.
- Head made from ultra-high-molecular-weight plastic that is nonporous, easy to clean & non marring on most surfaces.

| Part Number | Face Dia. | Head Length | Weight |
|--------------|-----------|-------------|---------------|
| 15008 | 2" | 6-1/2" | 16 oz (454 g) |
| 15009 | 2-1/2" | 6-3/4" | 20 oz (567 g) |
| 15010 | 3" | 8" | 24 oz (680 g) |

Note: Many other sizes & styles available, please inquire.