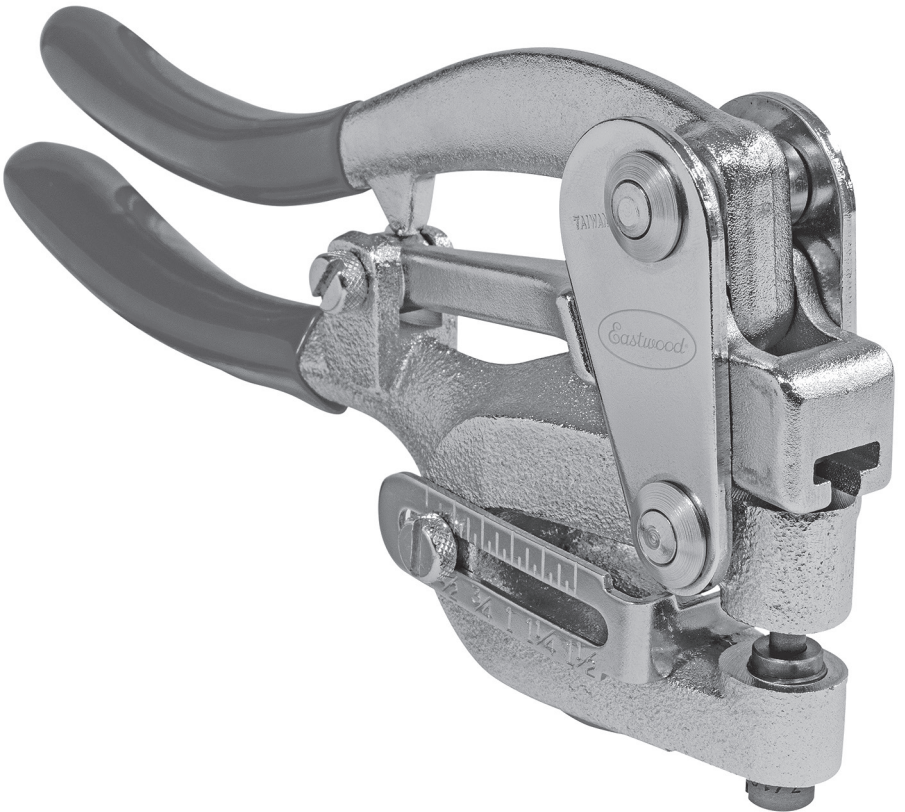


Eastwood[®]

DO THE JOB RIGHT.[®]

Item #32559

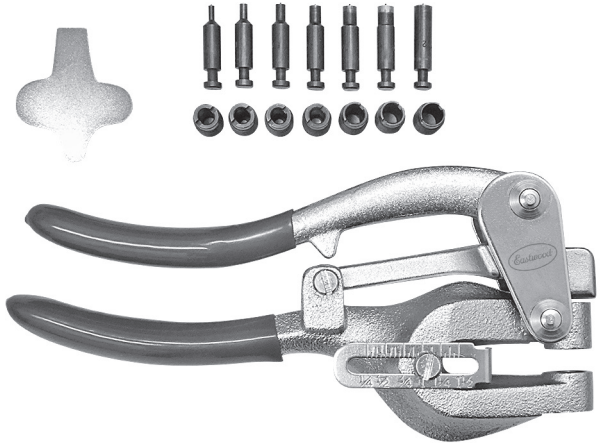
14 GAUGE METAL HAND PUNCH INSTRUCTIONS



The **EASTWOOD 14 GAUGE METAL HAND PUNCH** is designed to rapidly produce repeatable, clean, accurate holes in mild steel up to 14 Gauge (5/64") [2mm] thick making it perfect for creating rivet holes for custom fabrication work. A compound-leverage design greatly amplifies hand pressure providing greater accuracy, speed and convenience. The 16 Piece, Eastwood Metal Hand Punch is supplied with 7 Male and Female Die Sets and Die Installation Tool.

CONTENTS

- (1) Metal Hand Punch with Depth Stop Gauge
- (1) Die Installation Key
- (1) Complete Set of 7 Male and Female Punch Dies:
 - 3/32" [2.38mm]
 - 1/8" [3.18mm]
 - 5/32" [3.97mm]
 - 3/16" [4.76mm]
 - 7/32" [5.56mm]
 - 1/4" [6.35mm]
 - 9/32" [7.14mm]



SPECIFICATIONS

- Maximum material punching thickness:
 - 16 Gauge stainless and high-carbon steels
 - 14 Gauge mild steel
 - 12 Gauge aluminum

⚠ WARNING

Exceeding rated material limitations can result in severe personal injury and/or damage to the unit.

- 1.75" [44mm] Throat Depth allows punching into the center of a 3.5" [88mm] work piece.
- Compound Leverage Action greatly amplifies punching power.

⚠ NOTICE

The Upper Male Die must be installed first followed by the Lower Female Die.

SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.



READ INSTRUCTIONS

- Thoroughly read and understand this manual before using.
- Save for future reference.



WARNING PINCH AND CRUSH HAZARD!

- The Eastwood Metal Hand Punch presents a hand/finger pinch hazard and cause potentially serious injuries. Avoid pinching fingers and hands while handling and operating.



WARNING CUT HAZARD!

- Handling sharp metal can cause serious cuts. Wear thick, well-fitting work gloves to prevent cuts from handling sharp metal.



WARNING EYE INJURY HAZARD!

- Metal particles can be ejected from the tool when punching. Sheet metal edges and corners are sharp and can injure eyes. Always wear ANSI approved eye protection when operating this tool.



WARNING

- Strenuous physical force may need to be applied to the Metal Hand Punch during use. Failure to ensure proper footing can quickly result in a fall which could inflict serious personal injury or property damage. Always work in a clean, uncluttered environment.

SAFETY INFORMATION

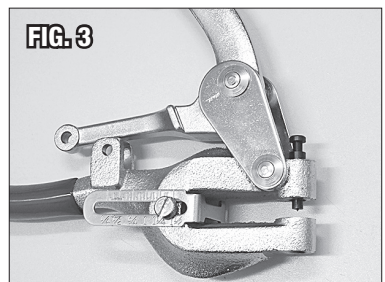
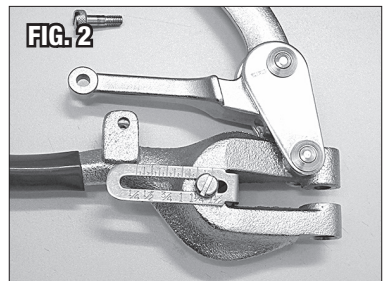


⚠ NOTICE

- Excessive resistance while operating could indicate a defect with the workpiece material or broken or damaged Metal Hand Punch components. To avoid injury, stop work immediately and inspect workpiece material for nicks, dents, welds, excessive scale or remaining coatings. Clean or repair as necessary or discard and begin with a new piece. Also inspect Metal Hand Punch components for looseness or damage.

DIE INSTALLATION AND REPLACEMENT

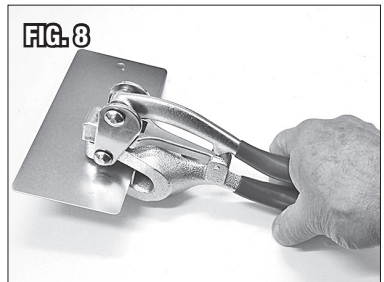
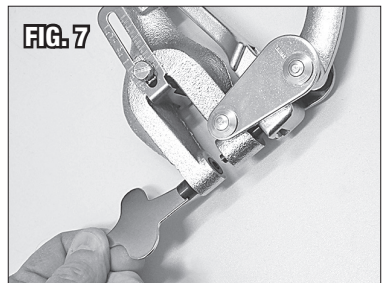
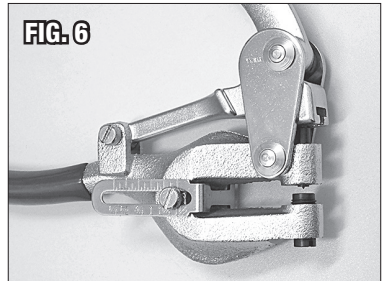
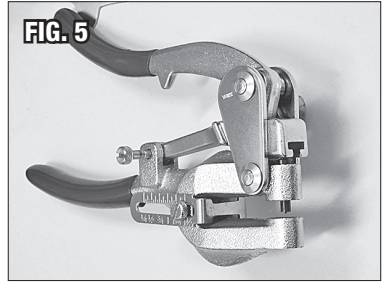
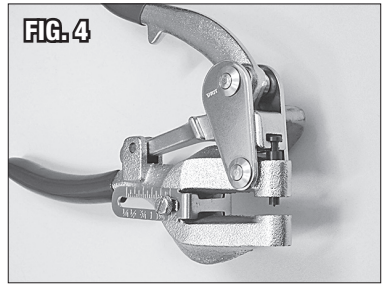
- Using the blade end of the Die Installation Key, unthread and remove the Anchor Pin (**FIG 1**) from the Anchor Arm and Main Body Pivot.
- Rotate the Upper Handle upward and pull the Anchor Arm backward (**FIG 2**).
- Slip the Male Punch Die upward through the lower bore of the Main Body Lower Jaw with the “T” Head up (**FIG 3**).



- Move the Upper Handle and Anchor Arm forward capturing the “T” Head of the Male Die in the “T” Slot of the Anchor Arm **(FIG 4)**.
- Re-install the Anchor Pin by aligning the pivot bore of the Anchor Arm and the Main Body and threading the Anchor Pin back into place **(FIG 5)**.
- Thread the corresponding sized Female Die into the Lower Jaw with the Slot downward **(FIG 6)** and thread into place. If required, use the blade end of the Die Installation Key to tighten the Die in place **(FIG 7)**.
- Adjust the Lower, Female Die to allow the Upper Male Die to fully engage the bore of the Female Die when the tool Jaws are closed.
- The Metal Hand Punch is now ready for use.

OPERATION

- Before each use, inspect Punching Dies for cracks and damage.
- Mark desired hole location and place the workpiece under the center point of the Upper Male Die.
- If desired, set Work Stop to the required depth.
- Raise Punch Upper Handle to open Punch.
- Insert material and lower Upper Lever to close Punch.
- Slowly apply increasing pressure to the Punch by squeezing the Upper Handle and Punch Body Handles together **(FIG 8)**.
- Once the Die has punched through the metal, open the Jaws to release the slug.



MAINTENANCE

- Before each use, inspect tool and Punching Dies for cracks or damage. If damage is present, do not use tool.
- After each use, clean tool of any debris and inspect punching dies for damage.
- Apply a thin coat of machine oil on all Punching Die surfaces to prevent corrosion and maximize performance.
- Lubricate all Metal Punch pivot points with a medium bodied machine oil.

TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
Upper Die Stops At Lower Die	Metal work-piece too thick or too hard	Stop all action to avoid serious damage. Do not exceed material limitations described in the "SPECIFICATIONS" section.
	Metal slug particles in Die	Stop all action to avoid serious damage. Remove slug from Dies.
Upper Die Binding at Release With Lower Die	Metal work-piece too thick or too hard	Stop all action to avoid serious damage. Do not exceed material limitations described in the "SPECIFICATIONS" section.
	Metal chips or particles in Dies	Stop all action to avoid serious damage. Remove chips or particles from Dies.
Dies Will Not Shear Metal	Dies worn or damaged	Follow Die Replacement instructions.
	Metal work-piece too thick or too hard	Stop all action to avoid serious damage. Do not exceed material limitations described in the "SPECIFICATIONS" section.

ADDITIONAL ITEMS

- #28038 Sheet Metal Gauge
- #13475 Electric Metal Cutting Shears
- #32044 Bead Roller Kit
- #21489 Shrinker/Stretch Set
- #21491 Shrinker/Stretch Stand

If you have any questions about the use of this product, please contact

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: tech@eastwood.com

PDF version of this manual is available at eastwood.com

The Eastwood Company 263 Shoemaker Road, Pottstown, PA 19464, USA

800.343.9353 eastwood.com