

*Eastwood*<sup>®</sup>

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Item #20646

# METAL HAND PUNCH

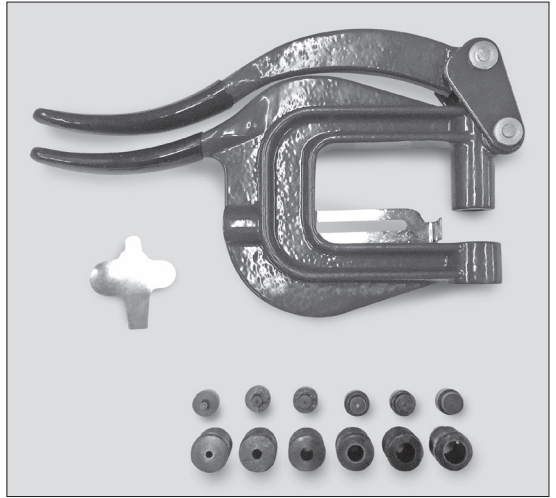
## INSTRUCTIONS



The **EASTWOOD METAL HAND PUNCH** is specifically designed for the DIY Fabricator. It features a maximum punching pressure of 1.2 tons and is capable of punching a 1/8" hole in up to 16 gauge mild steel.

## CONTENTS

- (1) Hand Punch with installed adjustable Work Stop
- (1) 1/8" Punch and Die
- (1) 3/16" Punch and Die
- (1) 1/4" Punch and Die
- (1) 5/16" Punch and Die
- (1) 3/8" Punch and Die
- (1) 7/16" Punch and Die
- (1) Key



## SPECIFICATIONS

- 1.2 Ton Max. Pressure
- 3.25" Throat Depth
- 5/8" Jaw Opening
- Mild Steel Maximum Material Thickness: 1/8" up to 16 gauge, 3/16" and 1/4" up to 18 Gauge, 5/16 and 3/8" up to 20 Gauge, 7/16" up to 22 Gauge

# 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**

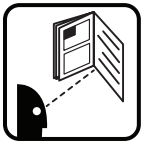
WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

## **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 instruction manual before use. Save manual for future reference to safety warnings, maintenance and operating procedures.
- Failure to follow all warnings can result in tool damage or serious physical injury.



### **WARNING PINCH HAZARD!**

- Always wear ANSI approved eye protection and heavy duty work gloves when operating this tool.
- To prevent injury, keep fingers and hands away from the jaw opening area and all moving parts while operating.
- To prevent a pinch hazard, do not place hands between lever and punch body.



### **CAUTION PROJECTILE HAZARD!**

- Frequently inspect cutting dies. If cracks or chips develop, discontinue tool use immediately.

# OPERATION

- Before each use, inspect Punching Dies for cracks and damage.
- If desired, set Work Stop to the required depth.
- Raise Punch Lever to open Punch.
- Insert material and lower Lever to close Punch.
- Slowly apply increasing pressure to the Punch by squeezing the Lever and Punch Body together. Ensure that no fingers or objects are between the Lever and Body of the tool.

# DIE REMOVAL AND REPLACEMENT

## TO REMOVE PUNCHING DIES:

1. Loosen Lower Die Set Screw with 2.5mm hex key (not included).
2. Use Key to remove lower Die.
3. Remove Upper Die Set Screw.
4. Remove Upper Die through the Body of the tool.

## TO INSTALL PUNCHING DIES:

1. Insert Upper Die through the Body of the tool.
2. Install Upper Die Set Screw.
3. Use included Key to Install Lower Die. Thread Die into tool until it stops.
4. Install Lower Die Set Screw.



# 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 un-painted surfaces to prevent corrosion and maximize performance.
- Store in a clean, dry environment.

# TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
<b>Tool Will Not Punch Hole</b>	Material is Too Thick	Ensure material is not thicker than the maximum thickness for the die size being used (see section: Specifications).
	Lower Die is not Threaded In All the Way	Fully thread Lower Die into the body of the tool.
	Upper and Lower Die Size Do Not Match	Match Upper and Lower Die sizes.



# RELATED PRODUCTS

- #30121 Air Flange Punch Tool
- #21130 Perfect Panel Prep Tool
- #20198 8" Bench Shear
- #11797 Throatless Bench Shear

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

The Eastwood Technical Assistance Service Department: 800.544.5118 >> email: [techelp@eastwood.com](mailto:techelp@eastwood.com)

PDF version of this manual is available online >> [eastwood.com/20646manual](http://eastwood.com/20646manual)

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

US and Canada: 800.345.1178 Outside US: 610.718.8335

Fax: 610.323.6268 [eastwood.com](http://eastwood.com)