

**Steel Construction
Studs being notched**



2620 AUBURN ST.
ROCKFORD, ILLINOIS 61101

www.americanwhitney.com

No. 91 Bench Press

10 Ton Capacity

A Great Bench Press with a wide range of uses: ornamental iron, sheet metal, model shops, electrical equipment, weld shops, body shops and general industrial applications.

Hefty 10 Ton Capacity

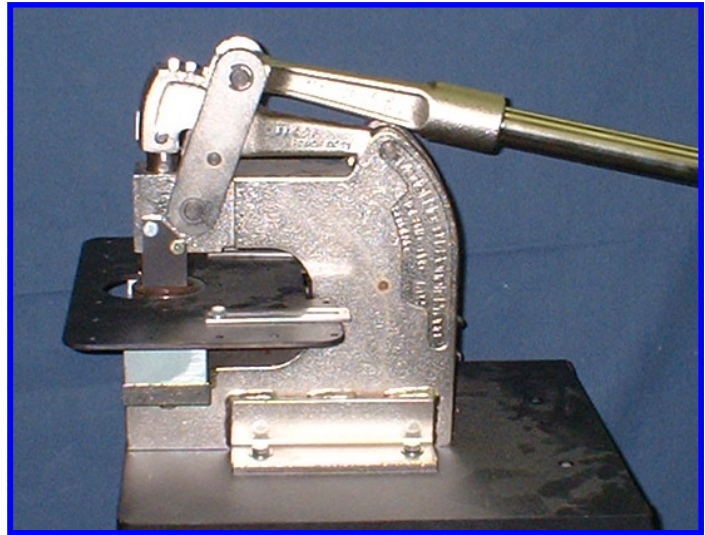
Lever Operated

Wearing parts are heat-treated

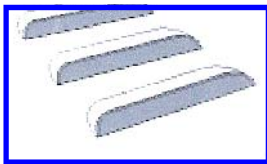
Huge Selection of special tooling

Wide work range of applications

Work Bench Available

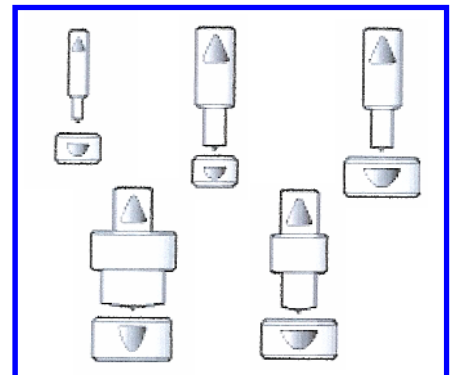
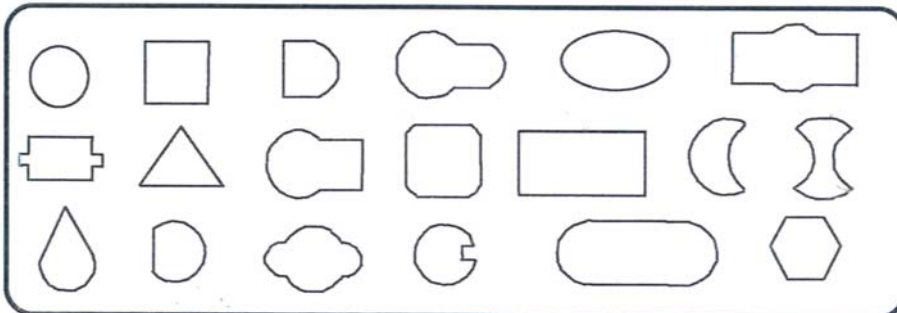


Punch - Notch - Cope - Mitre - Clip
Metal - Veneer - Leather - Plastic - Other Materials



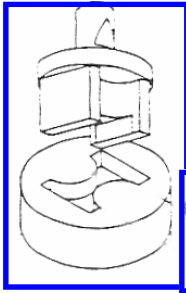
Louvers

Non Standard Rounds and Shapes are available

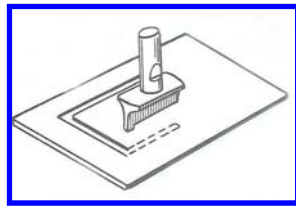


If you need a shape that is not shown, send us your sketch, sample or blueprint for quotation

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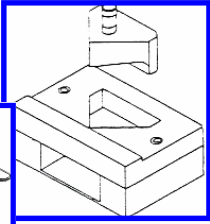
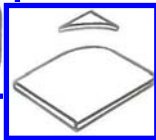
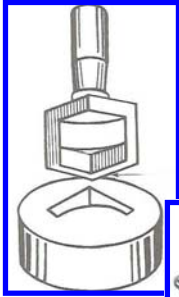


Corner Rounding



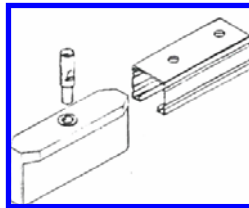
Slotting

Trimming



Angle Iron Notching

Unistrut



No. 91 Bench Press



Pictured with Optional Work Table

Maximum Diameters:

- 2" thru 12 ga. mild steel
- 1-3/4" thru 1/8" mild steel
- 3/4" thru 3/16" mild steel
- 1/2" thru 1/4" mild steel:
 - Channel - 2-1/2" flange x 1/4" web
 - Angle Iron - 2-1/2" x 2-1/2" x 1/4"

- Capacity.....10 Ton
- Maximum Thickness1/4"
(mild steel, 3/8" diam. Hole)
- Ram Stroke.....5/8"
- Shut Height.....3-1/8"
- Throat Depth.....5"
- Weight No. 91.....79lbs

What Die Clearance do you need?

As a general rule, proper die clearance should run about 10% to 20% of the thickness of material.

Material Size	.006	.021*	.037**
22 ga. thru 14 ga.	X		
12 ga. Thru 5/32"		X	
3/16" thru 1/4"			X

- * Use next 1/64" larger die with .006" clearance.
- ** Use next 1/32" larger die with .006" clearance.

Standard Dies have .006" Clearance for Mild Steel
.021" Clearance for Stainless Steel

What tool tonnage do you need?

Punch Dia.	X	Material Thickness	X	80	=	Tons of Pressure	X	Multiplier	=	Tool Tonnage Required
.375	X	.250	X	80	=	7.5 Ton	X	1.0	=	7.5 Ton

Material: Aluminum - Brass - Copper - Mild Steel - 50% Carbon Steel - Cold Drawn Steel - Stainless Steel
Multiplier: .38 .70 .56 1.00 1.50 1.20 1.50