

# "Druthers" Deep Throat Hydraulic Press DP-24-S

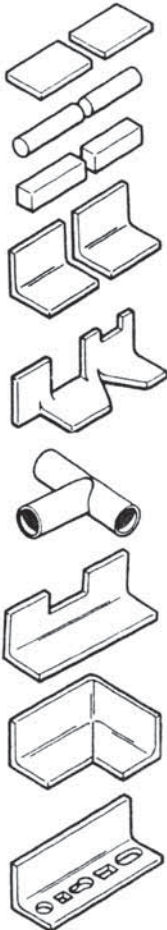
## Punching

With the stay bolt removed, the "Druthers" press will punch a 2 inch round hole in the center of a 48 inch sheet of 16 gauge mild steel. Rated capacity for the full 24 inch throat depth is 9 tons. Since the entire stroke is powered, holes and shapes that are considerably beyond this rating are made possible by designing shear into the tooling. Also, a large number of cut-off tools, radiusing, dies, etc., can be created for custom requirements.

The stay bolt reduces throat depth to 8 inches but increases capacity to 12 tons, and again, power is delivered over the entire stroke. Kidder makes standard round punches up to 5 inches diameter. With shear on the 5 inch punch, the "Druthers" press will punch through 16 gauge mild steel. With the stay bolt in place you may punch 3/4" through 3/16", 5/8" through 1/4", 7/16" through 3/8", etc..

## Iron Working

No matter what size the shop, capacity for fabricating light structural members can mean a distinct competitive advantage. With the stay bolt in place, the "Druthers" press easily handles 2" x 2" x 1/4" angle. Alignment of tools and work pieces, requires little skill because of the "jog" type foot control. Examples of work the DP-24-S can perform include:



### SHEARING

- 3/8" x 3" flats in one stroke, much greater widths using multiple strokes.
- 5/8" square or round bar
- 2" x 2" x 1/4" angle

### NOTCHING & COPING

- 2 1/2" x 2 1/2" in 1/4" (2" x 2" x 1/4" angle) removes fillet completely
- 2" x 2" end cope (including fillet) in 3/16" angle, for butt welding
- 3 sided copes in 1/4"

### PIPE NOTCHING

- 90 degrees, equal or unequal sizes from 1" through 2"

### BENDING

- 1/4" x 4" flats
- 3/16" x 5 1/2" in lighter gauge
- Radii in up to 1/2" material

### PUNCHING

- 7/16" in 3/8", 1 1/4" in 1/8" mild steel
- Punch within 1/2" of leg in channel or angle
- Rounds, squares, rectangles, keyholes and others
- Punch any shape within 1-7/8" circle



DP-24-S

## Unmatched Versatility

Now you can have your "Druthers" - a complete metalforming shop in one machine!

A removable, high tensile steel bar locks frame sections together for heavy duty iron working and extra large hole punching. In minutes the "Druthers" press is transformed into a 24" deep throat punching machine by removing the stay bolt.

All operation is foot - controlled, hydraulic powered by a completely self contained 115 volt AC unit.

The simple, straight-forward design is based on few moving parts. Initial cost is very low, as is pricing on the extensive variety of available tooling.



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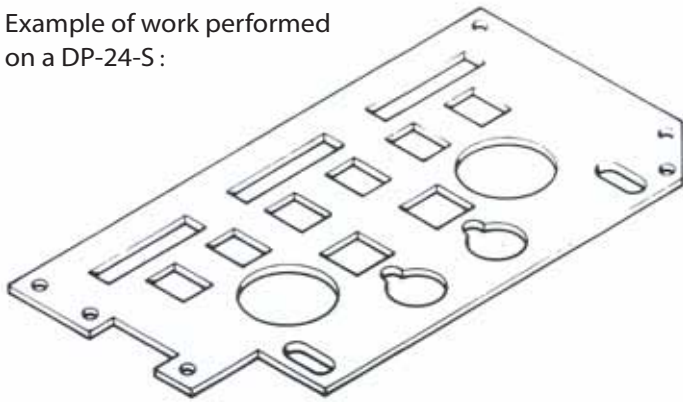
## Tooling

Tooling is limited only by your imagination. Standard, off-the-shelf attachments are listed below. A partial list of semi-specials includes tooling for:

- Radiusing
- Corner trimming
- Multiple hole punching
- Slotting
- End forming and cut off
- Making Louvers
- Piercing
- Light forming
- Holders for Whiteny, Mubea, etc. punches
- Punching keyholes
- Combination cut-off and punching
- Nibbling (Healed punches)

Note: We can produce custom tooling options.

Example of work performed on a DP-24-S:



## Standard Attachments

BP-3	Punch holder for Kidder #3 punches
BD-3	Die holder for 7/8" O.D. 5/8" ht. dies
BP-4	Punch holder for Kidder #4 punches
BD-4	Die holder for 1-1/2" O.D. x 1" ht. dies
BP-SS	Punch holder for Kidder straight shank (3/4" shank dia.) punches
BD-2	Die holder for 2" O.D. x 3/4" ht. dies
BD-3-7/16	Die holder for 3-7/16" O.D. x 3/4" ht. dies
BD-4-5/8	Die holder for 4-5/8" O.D. x 3/4" ht. dies
BD-5-5/16	Die holder for 5-15/16" O.D. x 3/4" ht. dies
BS-F	Shearing attachment for flats, 3" blades
BS-A	Shearing attachment for angles
BN-A	Notching attachment (2-1/2" blades)
BN-C	Notching attachment (5" blades)
BB-3	Bending attachment for radii and shapes
BB-4	Bending attachment for heavy flats and angles
BB-6	Bending attachment for lighter, wider flats and angles
BPN	Pipe notching attachment for 1" to 2" pipe

ORDER TOOLING SEPARATELY - See price list

## Specifications

## DP-24-S

Throat depth	24 inches
Throat depth with stay bolt	8 Inches
Capacity without stay bolt	9 Tons
Capacity with stay bolt	12 Tons
Stroke	13/16 Inches
Cycle time	Less than 8 seconds
Electrics	1 hp, 115 VAC, 1 Ph, 20 amps
Controls	Double guarded foot switch
Shut height (open)	5-1/4 Inches
Height (with stand)	58 Inches
Width (with stand)	19 inches
Depth	44 Inches
Weight	500 lbs

## Options:

Two - stage pump that allows for 3 second cycle times

Machine available without a stand (Bench mount)



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**Founded in 1902, Kidder is the world's leading manufacturer of notching machines, combination presses, universal presses, brakes, and all associated tooling.**



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