

12 Ton Universal Hydraulic Shop Press 560-S

The Machine

Design is simple, clean and rugged so maintenance is minimal. Wearing and bearing surfaces are hardened and fittings molydisulfide grease.

All structural parts are constructed from unbreakable steel and are precision machined to close tolerances to assure interchangeability of attachments and parts.

The 560-S is mounted on a rugged angle iron stand with a 21-1/2" x 24" table top, convenient for holding tooling and raw material. Fixtures can be easily attached to stand to position stock during punching, notching, shearing and bending operations. Press and power unit come completely set up ready to plug into any properly fused 115 VAC outlet.

Don't be deceived by the 560-S' small size, weight and price - it delivers more power than machine 4 times its size and price.

EMP-II Hydraulic System

The EMP-II is a sophisticated, compact, lightweight, very powerful, electro hydraulic power system. It consists of a power unit, cylinder, hoses and a foot switch. All component parts are carefully matched to assure continuing trouble free operation. Because of its efficient design the EMP II plugs into any properly fused 115VAC outlet - no need for special wiring.

When compared to mechanical presses, hydraulically driven machines are quieter, last longer, have fewer parts and deliver more force over the entire stroke.

In case of jamming or over capacity an externally accessible pressure relief valve automatically spills excess hydraulic fluid into the reservoir.

Jog Feature

Cycling the 560-S is under complete and safe foot control at all times. Action may be stopped at any point and jogged either up or down. Blade and work alignments are easy.

Options

In addition to the standard 560-S, Kidder the 560-S is also available with a rolling cart stand (56BMC) or as a bench mount with no stand at all. This model is also available as a hand operated machine (56B).



Combines in one machine, an ironworker, punch press, bender, angle shear, flat shear, "V" notcher, corner notcher, forming press, arbor press and pipe notcher. One model serves all operations. Because hydraulic power is delivered over the entire stroke, shearing action is built into tools and many cuts beyond the 560-S' rated 12 tons are possible with this amazing machine.



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Tooling

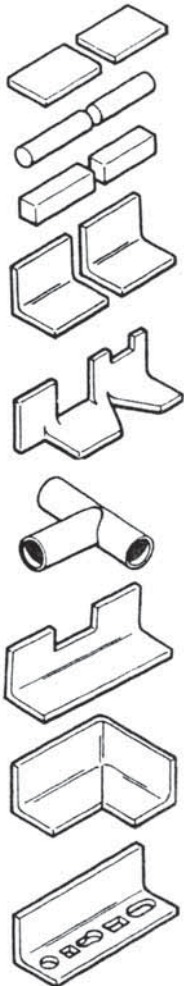
Expensive die sets, custom dies, and single purpose tools are not needed for the 560-S. Standard attachments for hundreds of tough operations are available form stock.

Also, Kidder has made thousands of semi-specials and these can usually be delivered in just a few weeks. Examples include blanking dies, forming dies, coping dies, 90 degree flat benders, scroll benders, pipe & tubing benders, multiple punches, shear and forming dies, cap rail shears, flattening dies, offset dies, gusset cutters, knock out punches, receptacle punches, radiusing dies, louvre dies, keyhole punches, the assortment is limited only by your imagination.

Most attachments set up in a minute or two with the use of only a 3/4" wrench. Tool breakage is virtually eliminated by the power 560-S' automatic overload feature (excess pressure dumps over the relief valve into the reservoir) and the foot controlled jog feature. Setup requires little skill.

Users

Used by welding shops, contractors, sign makers, maintenance shops, window and door manufacturers, ornamental iron makers, iron fabricators, etc..



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

Specifications

560-S

Rated Capacity	12 Tons
Throat Depth	2-1/2"
Shut Height	5-1/4" (Open)
Stroke	13/16"
Motor	1 hp, 3450 rpm 115V, 1 Phase
Controls	Double foot switch with guard and 6' line 8' power cord Double pole switch
Pump	2700 psi with relief valve
Cycle Time	Less than 8 seconds under full load *
Height overall	56"
Depth	24"
Width	21-1/2"
Weight	255 lbs
Shipping Weight	300 lbs

Options

- Hydraulic Unit with 3 second cycle time *
- 56B Bench mounted hand operated machine
- Available without stand
- Available on a rolling stand for portability (56BMC)



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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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