

Heavy Duty Hydraulic Notcher 59H40

Performance

Our largest notching machine combining power, ease of operation and the reliability of hydraulics. The 59H40 will take up to a 7-1/2" x 7-1/2" corner notch from 1/8" inch mild steel or 14 gauge stainless. This veteran machine is also widely used for nibbling, squaring, shearing (any length up to 7-1/2" wide) squaring, and trimming. Jobs which are now hacked and nibbled can be done neatly and quickly every time.

Hydraulics - Electrics

Kidder's hydraulic components are carefully selected and are proven absolutely trouble free. The tie rod type cylinder is of machine tool type quality with a built in 8 to 1 safety factor. Each master controller has its own thermal protection and the system is designed to unload at atmospheric pressure when idling. This concept totally eliminates heat buildup. For safety the control circuit operates on 115 volts.

Of course hydraulic systems have a natural fluid cushion, which means that your press room can be up to 60% quieter and downtime only a fraction of what you might expect from mechanical presses. Cutting edge breakage is minimized because any excess hydraulic pressure is automatically dumped back into the extra large fluid reservoir.

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

Operation

No set ups and no skill are required to operate the 59H40. Modern, easy foot switching leaves both hands free to feed material. Press the control with your toe and the machine operates continuously with smooth hydraulic pressure so long as the switch is held down. Let up and the cutting edges hold their position; tap the control - the blades move a fraction of an inch. This handy jog feature allows for easy alignment of blades or positioning of work. There is also a manual override built into the control box which automatically reverses the travel direction of the ram if it becomes necessary to reposition the work in the middle of a cycle. Length of stroke may be adjusted to eliminate "cutting air."

Construction

Construction is of unbreakable steel plate and grease fittings are provided for fast lubrication. Hardened and ground tool steel gibs support the ram to provide canting.

Blades, which are removable for sharpening, are of a special Kidder design and have not only back-to-front shear but also rake from side to side. This feature is particularly important to assure precision cutting and to give a smooth, neat edge on mild steel, stainless, and aluminum.

Both blades and foot switch are switch are safety guarded.



- **Cuts 7-1/2" x 7-1/2" notch in 11 gauge hot rolled mild steel or 14 gauge stainless**
- **40 Stokes per minute**
- **Smooth, quiet hydraulic power**
- **Safe jog type foot control**
- **Fully guarded around blades**
- **12-1/2" Throat depth for full corner notch**
- **Shears 7-1/2" wide any length**



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Uses

The model 59H40 is a result of 40 years experience in the design and building with hydraulics and over 100 years of experience in the manufacture of machinery. It has proven itself as a general shop shearing machine, as well as in the manufacture of specialty items, kitchen equipment, hoods and many stainless steel products. Quite often it is used to take the small item load from squaring shears.

It is adaptable to automatic feed mechanisms.

Standard Equipment

Machine is shipped set up, ready to go. Some standard Features:

- Hardened alloy tool steel blades
- Gage plate (table)
- 2 – Gauges (45° mitre on one end)
- 220/60/3 electrics
- Blade guard
- Foot switch guard

Options

- High Carbon High Chrome blades (Recommended for Stainless Steel)

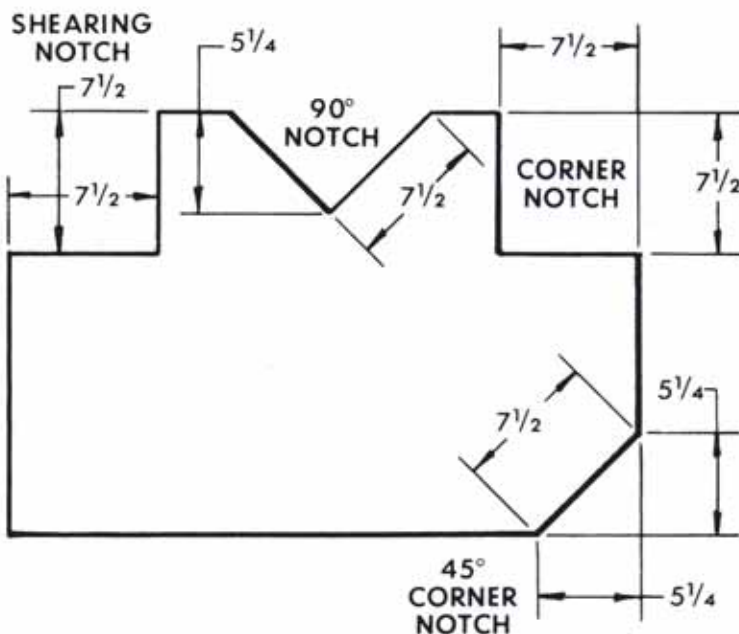
Specifications

59H40

Capacity in hot rolled mild steel	11 Gauge
Capacity in stainless steel *	14 Gauge
Maximum notch in one cut	7-1/2" x 7-1/2"
Throat depth	12-1/2 inches
Height (overall)	56 inches
Width	18 inches
Depth	27 inches
Gage size	6-1/4" x 2"
Table size	12" x 18"
Blade to apex to front of table	6 inches
Electrics	220/60/3 AC 3HP
Controls	115 V guarded foot switch
Hydraulics	Kidder 2500 p.s.i 3 position solenoid valve adjustable limit switch, 7 gal. resevoir
Cycle time	40 cycles per minute
Shipping weight	550 lbs.

* With High Carbon High Chrome blades

Examples of single stroke cuts possible with the Kidder 59H40.



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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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