

MORGAN RUSHWORTH HST 175 HYDRAULIC STEELWORKER



The HST 175 machine is supplied with standard tooling including repetition support tables at punch, shear and notch stations. All five work stations are equipped with easily adjustable hold downs to safely control each operation. Comprehensive safety guards are fitted as standard on all work stations. The HST Range are twin operated machines with the hydraulic system activated by two shielded foot controls, one operating the punch and cylinder, the other operating the shear end cylinder. The shear cylinder provides the power to the three shearing and the notch stations. The system gives accurate power inching at all five work stations and allows the machine to be stopped at any position giving safe and accurate tool setting and work positioning. Centralised lubrication is metered by oneshot system, being only one feature of the low maintenance requirements. A 1M touch and cut ruled length stop and an integrated LED lighting system are supplied as standard equipment.

FEATURES

- **PUNCH STATION**
Easy tool change system and swing away stripper with fast manual adjustment ensure a quick setup.
- **ANGLE STATION**
This station provides large capacity angle cutting at 90° and 45°. Angles between 45° and 90° can be achieved by first cutting at 90° and then flange trimming to the required angle in the shearing station.
- **SECTION CUTTING STATION**
The machines are fitted as standard with blades for cutting round and square bars. With extra equipment, the machines are able to cut, in this aperture, channel, joist, T-sections and many other special profiles.
- **NOTCHING STATION**
The notching station is fitted with a table with adjustable back stops allowing repetitive positioning.
- **SHEARING STATION**
The shearing unit is fitted with a simple robust holddown which is adjustable to any thickness of material within the cutting capacity of the machine. The shear feed table with adjustable guides is fitted to allow accurate feeding of materials. The guide can be adjusted to allow mitre cutting up to 45° for flat bars or to trim the flanges of angle.
- **AUTO CROP RULED LENGTH STOP**
Standard 1m stop with automatic shearing bypassing the foot switch for production applications. Can be used on all shear stations. Available in 2m and 3m options.

OPTIONS

- Bar bending attachment
- Cropping blades for channel and other profiles
- Vee notch unit instead of standard rectangular notch unit

TECHNICAL INFORMATION

MODEL	HST 175	
Punching		
Diameter X Maximum Thickness	mm	40 x 32
Maximum Diameter X Thickness	mm	57 x 22
Stroke Length	mm	80
Throat Depth	mm	625
Largest Hole Diameter - Standard	mm	57
Largest Hole Diameter - Optional	mm	225
Shearing		
Flat Bar - Width X Maximum Thickness	mm	380 x 30
Flat Bar - Maximum Width X Thickness	mm	600 x 20
Angle Flange Trim - Max 45°	mm	120 x 15
Angle Cutting		
90° Cut	mm	200 x 20
45° Mitre (True Int./Ext.)	mm	80 x 10
Section Cutting		
Round/Square	mm	65/55
Channel/Beam - (Optional)	mm	300 x 125
Tee - (Optional)	mm	150 x 15
Notching		
Material Thickness	mm	16
Width - Rectangle	mm	60
Depth - Rectangle	mm	100
Depth - Vee	mm	800
Tube Notch (Optional)		
Maximum Outside Diameter	mm	165
Bending (Optional)		
Bar Bending - Maximum Capacities	mm	250 x 25
Sheet Bending - Maximum Capacities	mm	700 x 4
Punching At Notch Station (Optional)		
Throat Depth	mm	125
Maximum Capacity - Diameter X Thickness	mm	38 x 13
Technical Data		
Motor Power	kW	11
Nett Weight	kg	6000
Length	mm	2730
Width	mm	1120
Height	mm	2160