

## Morgan Rushworth HST 175 Hydraulic Steelworker

Stock Code: M9006



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 end cylinder, the other operating the shear and notch end cylinder. The shear cylinder provides the power to the three shearing and one notch station simultaneously. The system has an accurate inching mode which allows the machine to be stopped at any position giving safe and accurate tool setting and work positioning. Centralised lubrication is metered by a one-shot system, being only one feature of the low maintenance requirements. A 1m touch and cut ruled length stop and a magnetic base LED work light 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.

## Technical Specification

MODEL	HST 175
<b>Punching</b>	
- Dia x Max Thickness mm	40 x 32
- Max Dia x Thickness mm	57 x 22
- Stroke length mm	80
- Throat depth mm	625
- Largest hole dia - standard mm	57
- Largest hole dia - optional mm	225
<b>Shearing</b>	
- Flat bar - width x max thickness mm	380 x 30
- Flat bar - max width x thickness mm	600 x 20
- Angle flange trim - max 45° mm	120 x 15
<b>Angle cutting</b>	
- 90° cut mm	200 x 20
- 45° mitre mm	80 x 10
<b>Section cutting</b>	
- Round / square mm	65 / 55
- Channel / beam - optional mm	300 x 125
- Tee - optional mm	150 x 15
<b>Notching</b>	
- Material thickness mm	16
- Width - rectangle mm	60
- Depth - rectangle mm	100
- Depth - vee mm	80
<b>Tube Notch (Optional)</b>	
- Max outside diameter mm	165
<b>Bending (Optional)</b>	
- Bar bending - max capacities mm	250 x 25
- Sheet bending - max capacities mm	700 x 4
<b>Punching at Notch Station (Optional)</b>	
- Throat depth mm	125
- Max capacity - dia x thickness mm	38 x 13
<b>Technical Data</b>	
- Motor power kW	11
- Nett weight kg	6000
- Length mm	2730
- Width mm	1120
- Height mm	2160