

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

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| MODEL | HST 175 |
| Punching | |
| - 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 |
| Shearing | |
| - 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 |
| Angle cutting | |
| - 90° cut mm | 200 x 20 |
| - 45° mitre 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 | 80 |
| Tube Notch (Optional) | |
| - Max outside diameter mm | 165 |
| Bending (Optional) | |
| - Bar bending - max capacities mm | 250 x 25 |
| - Sheet bending - max capacities mm | 700 x 4 |
| Punching at Notch Station (Optional) | |
| - Throat depth mm | 125 |
| - Max capacity - dia 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 |