

Morgan Rushworth HSR-3 100/315 Hydraulic Section Bending Machine



The Morgan Rushworth HSR-3 range of hydraulic section bending machines are designed to roll various material sections and are available with shaft diameters from 50mm up to 120mm. All models have twin rams powering both of the lower rolls, providing pre bending capability and the convenience of performing the bending operation with the material in the horizontal position. All of the HSR-3 machines can be operated in either vertical or horizontal plain. The standard rolls supplied with the machine are hardened and have been designed to bend most sections, avoiding the cost of additional tooling. Lateral guide rolls ensure straight and true bending, or if required can be adjusted in order to spiral the material.

Features

- All three rolls driven for excellent traction
- Smooth rolls ensure minimum material marking
- Hardened rolls
- Moveable control panel
- Digital read out indicating both back rolls position
- Overload protection device
- Hydraulically powered rotation
- Hydraulically adjusted lateral guide rolls in 2 axis
- Variable speed of rotation

Technical Specification

| MODEL | HSR-3 100/315 |
|---|----------------|
| Flat bar on edge at 800mm Ø mm | 100 x 20 |
| Flat bar as flat at 800mm Ø mm | 160 x 35 |
| Square bar at 750mm Ø mm | 60 x 60 |
| Round bar at 800mm Ø mm | 75 |
| Round bar at 1400mm Ø mm | 125 x 2.5 |
| Round pipe at 1000mm Ø mm | 114.3 x 6 |
| Rectangular hollow section at 1300mm Ø mm | 100 x 40 x 4 |
| Square hollow section at 1500mm Ø mm | 80 x 80 x 5 |
| Angle iron toe out at 1000mm Ø mm | 100 x 100 x 12 |
| Angle iron toe in at 1000mm Ø mm | 100 x 100 x 10 |
| Tee section toe out at 1000mm Ø mm | 100 x 11 |
| Tee section toe in at 1000mm Ø mm | 90 x 10 |
| Tee section toe up/down at 1000mm Ø mm | 100 x 11 |
| Channel legs out at 900mm Ø mm | UPN 180 |
| Channel legs in at 1000mm Ø mm | UPN 180 |
| Motor power kW | 7.5 |
| Rolls Ø mm | 315 |
| Shafts Ø mm | 100 |
| Bending speed m/min | 7 |
| Length mm | 2000 |
| Width mm | 1450 |
| Height mm | 1700 |
| Weight kg | 3650 |

Options

- Tube/profile rolls
- Variable speed of rotation
- Spiral bending device
- NC control system
- CNC control system
- Digital display for guide rolls
- I-U-H profile pulling system