

## Morgan Rushworth HSR-3 60/180 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 60/180
Flat bar on edge at 500mm Ø mm	60 x 20
Flat bar as flat at 500mm Ø mm	80 x 20
Square bar at 400mm Ø mm	32
Round bar at 350mm Ø mm	35
Round bar at 600mm Ø mm	60 x 2
Round pipe at 400mm Ø mm	60.3 x 3.9
Rectangular hollow section at 450mm Ø mm	50 x 25 x 3
Square hollow section at 600mm Ø mm	45 x 45 x 3
Angle iron toe out at 650mm Ø mm	60 x 60 x 6
Angle iron toe in at 550mm Ø mm	50 x 50 x 5
Tee section toe out at 550mm Ø mm	60 x 7
Tee section toe in at 500mm Ø mm	50 x 6
Tee section toe up/down at 500mm Ø mm	60 x 7
Channel legs out at 600mm Ø mm	UPN 80
Channel legs in at 600mm Ø mm	UPN 65
Motor power kW	3
Rolls Ø mm	175
Shafts Ø mm	60/50
Bending speed m/min	5
Length mm	1200
Width mm	850
Height mm	1200
Weight kg	1000

## 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