

## Morgan Rushworth HSR-3 80/245 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 80/245
Flat bar on edge at 800mm Ø mm	80 x 20
Flat bar as flat at 600mm Ø mm	125 x 25
Square bar at 500mm Ø mm	45 x 45
Round bar at 500mm Ø mm	50
Round bar at 1200mm Ø mm	100 x 2.5
Round pipe at 800mm Ø mm	88.9 x 5.5
Rectangular hollow section at 800mm Ø mm	80 x 25 x 3
Square hollow section at 1300mm Ø mm	70 x 70 x 3
Angle iron toe out at 800mm Ø mm	80 x 80 x 8
Angle iron toe in at 700mm Ø mm	70 x 70 x 7
Tee section toe out at 800mm Ø mm	80 x 9
Tee section toe in at 800mm Ø mm	70 x 8
Tee section toe up/down at 800mm Ø mm	80 x 9
Channel legs out at 900mm Ø mm	UPN 120
Channel legs in at 1000mm Ø mm	UPN 120
Motor power kW	4
Rolls Ø mm	245
Shafts Ø mm	80/70
Bending speed m/min	6
Length mm	1450
Width mm	1000
Height mm	1400
Weight kg	1700

## 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