

MG AR 60M Hydraulic Selection Ring Rolling Machine



The MG AR Line section rolls are available in a huge range of capacities from 60mm shaft diameter up to an enormous 540mm shaft diameter; this model AR530 weighs in at an incredible 297 tonnes and has the capacity to roll beams of up to 1000mm. These superb quality Italian built machines are of a double pre-bending design and feature three rolls individually driven by powerful hydraulic motors via planetary gearboxes. The universal rolls supplied can roll a whole spectrum of standard sections and profiles, while special tooling is available for tubes or specific profiles. A wide range of optional equipment is offered including special attachments for the rolling of spirals and a very user friendly touch screen NC control.

Features

- Double pre-bending design
- All three rolls driven for excellent traction
- Rolls driven by powerful hydraulic motors with planetary gearboxes
- Universal hardened rolls suitable to roll a wide range of profiles
- Smooth rolls ensure minimal material marking
- Permanent lubrication to main machine components during manufacture
- Double spherical roller bearings for rolls shafts in place of traditional bushes
- Works in either horizontal or vertical orientation
- Hydraulic lateral guide rolls with movement in 3 axis
- Moveable control panel
- Digital read outs indicating both lower roll positions

Options

- Special rolls for tubes and other profiles
- Special rolls in nylon for sensitive materials
- Traction and compression tooling
- Overhead support
- Spiral staircase device
- Coiling attachments
- Lateral guide roll extension for rolling small coils
- Digital read outs for lateral roll positions
- NC Control Unit
- CNC Control Unit

Technical Specification

Flat Bar on Edge at 1500mm Ø	mm	70 x 10
Flat Bar as Flat at 1400mm Ø	mm	100 x 20
Square Bar at 500mm Ø	mm	38 x 38
Round Bar at 500mm Ø	mm	35
Round Tube at 1000mm Ø	mm	60 x 3
Rectangular Hollow Section at 1000mm Ø	mm	70 x 20 x 3
Square Hollow Section at 1500mm Ø	mm	50 x 50 x 3
Angle Iron Toe Out at 1800mm Ø	mm	60 x 60 x 6
Angle Iron Toe In at 1000mm Ø	mm	60 x 60 x 6
Tee Section Toe Out at 1000mm Ø	mm	60 x 60 x 6
Tee Section Toe In at 1000mm Ø	mm	60 x 60 x 6
Tee Section Toe Up/Down at 1000mm Ø	mm	60 x 60 x 6
Channel Legs Out at 1000mm Ø	mm	UPN 80
Channel Legs In at 1000mm Ø	mm	UPN 80
Maximum Section Modulus	cm³	25
Shaft Diameter	mm	60
Roll Diameter	mm	215
Rolling Speed	m/min	5
Motor Power	kW	3
Length	mm	1276
Width	mm	956
Height	mm	940
Weight	kg	920