SELMACH MACHINERY

Making Metal Work

Series F Powered 2-Roll Plate Bending Rolls

The MG 2-roll bending machines are designed for the production rolling of complete cylinders in sheet metal material and are available in a range of length and thickness capacities.

The urethane rubber coated lower roll provides immediate pre-bending of the material, while the upper roll can be fitted with a larger mandrel to achieve a particular diameter.

A complete cylinder is finished in one pass and is left with a minimal flat part resulting in very fast cycle time to a completed component.

Series F Range

Machine Features

- 4-Roll double pinch design for pre-bending both sides of the plate before rolling
- Electro welded and stress relieved frame construction
- High quality European components used throughout
- Permanent lubrication system – all parts are lubricated and sealed during assembly
- C45 forged steel rolls, induction hardened
- Crowning on rolls to compensate for deflection during bending process
- Three rolls driven by hydraulic motors with gearboxes directly coupled to the rolls
- Planetary roll movement reducing friction and maintaining precision
- Rolls mounted on high load rated sealed double roller bearings
- Massive torsion bars with sophisticated hydraulic valves to ensure roll parallelism
- Hydraulic drop end and automatic top roll balancing for material removal
- Hydraulic up & down movement of the bending rolls
- Digital read out for side roll positions
- Cone bending system
- Laser alignment system for material positioning
- Safety system to conform to EU norms
- Mobile control console

Optional Equipment

- Hydraulic overhead support
- Hydraulic side supports
- NC or CNC Control

TECHNICAL SPECIFICATIONS

MODEL	STOCK CODE	Bending Length	Rolling Capacity	Top Roll Diameter	Bottom Roll Diameter	Motor	Length	Height	Width	Weight
		mm	mm	mm	mm	kW	mm	mm	mm	kg
F 03 A	22031	350	2	60	160	5.5	1,500	830	1,025	955
F 05 A	21887	550	2	80	220	5.5	1,600	830	1,025	950
F 07 A	21888	750	2	90	220	5.5	1,850	830	1,025	1,045
F 10 A	21889	1050	2	100	300	7.5	2,340	1,000	1,240	1,700
F 12 A	21890	1250	2	110	300	7.5	2,540	1,000	1,240	1,850
F 15 B	21891	1550	4	150	300	7.5	2,840	1,000	1,240	1,850
F 17 B	22032	1750	4	140	300	10	3,100	1,200	1,000	2,000
F 20 B	21892	2050	4	160	300	10	3,500	1,485	1,485	2,400

**Capacities are given for 250 N/mm plate yielding strength*