



Series M Hydraulic 4-Roll Plate Bending Rolls

The MG 4 roll 'series M' models range from 70mm roll diameter for precise bending of thin sheet up to a high capacity 680mm roll diameter for rolling large plate in heavy industry. With over fifty years of experience in bending roll technology, MG have perfected design and best manufacturing methods to produce a truly world class machine.

The planetary design of the side rolls reduces unnecessary friction compared to the prevalent linear movement eliminating wear and lubrication issues. The bottom roll 'pinches' the material enabling full control of the material by the operator at all stages of the rolling process. Optional NC and CNC controllers are available with worldwide online software support.



Series M 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	Pre Bending	Top Roll Diameter	Bottom Roll Diameter	Side Rolls Diameter	Working Height	Motor	Length	Height	Width	Weight
		mm	mm	mm	mm	mm	mm	mm	kW	mm	mm	mm	kg
M 0501 L	21843	550	1.5	1	70	120	115	600	2.2	1,424	625	776	800
M 1003 L	21844	1050	3	2	90	120	105	600	2.2	1,924	625	776	1000
M 1206 P	21845	1250	6	4	120	115	105	695	2.2	2,435	845	1,030	1500
M 1504 P	21846	1550	4	3	130	120	105	695	2.2	2,735	845		1600
M 1706 P	21847	1750	6	4	150	130	120	700	3	2,935	845	1,030	1700
M 2004 P	21848	2050	4	2	140	130	105	705	3	3,235	845	1,030	1900
M 2006 P	21849	2050	6	4	160	140	120	710	3	3,235	845	1,030	2100
M 2008 A	21850	2050	8	6	190	170	150	805	3	3,370	1,050	1,245	3400
M 2010 R	21851	2050	10	8	210	190	160	860	4	3,160	1,320	3800	3800
M 2014 R	21852	2050	14	10	220	200	170	865	5.5	3,160	1,060	1,320	4200
M 2020 C	21853	2050	20	14	280	260	210	995	7.5	3,425	1,460	1,520	5000
M 2028 D	21854	2050	28	20	320	300	230	1080	11	3,624	1,720	1,830	8000
M 2038 E	21855	2050	38	30	370	350	270	1395	15	4,290	1,980		14000
M 2045 F	21856	2050	45	35	420	390	310	1725	22	4,555	2,180	2,385	15000
M 2050 G	21857	2050	50	40	430	420	360	1835	30	5,090	2,695	2,450	16000
M 2060 H	21858	2050	60	50	520	500	430	2235	37	5,000	2,900	3,065	32000
M 2075 I	21859	2050	75	60	570	560	510	2570	56	5,300	3,480	3,570	30000
M 2100 Y	21860	2050	100	75	610	590	520	2655	75	5,300	3,480	3,570	42000
M 2506 P	21861	2600	6	4	180	170	140	710	3	3,785	845	1,030	3500
M 2508 A	21862	2600	8	6	200	180	150	805	3	3,920	1,050	1,245	4000
M 2510 R	21863	2600	10	8	220	210	170	860	4	3,975	1,060	1,320	4500
M 2514 B	21864	2600	14	10	240	220	190	870	5.5	3,975	1,210	1,320	6500
M 2520 C	21865	2600	20	15	280	260	220	990	7.5	3,975	1,460	1,520	7000
M 2528 D	21866	2600	28	20	340	320	230	1090	11	4,720	1,720	1,830	10000
M 2538 E	21867	2600	38	30	400	380	300	1420	15	5,340	1,980	2,090	17000
M 2540 F	21868	2600	40	35	410	390	310	1725	22	5,055	2,180	2,385	19000
M 2550 G	21869	2600	50	40	510	460	390	1850	30	5,640	2,695	2,450	24000
M2565 H	21870	2600	65	50	520	480	410	2245	37	5,640	3,130	3,065	33000
M 2575 I	21871	2600	75	60	570	530	440	2625	56	5,850	3,480	3,570	40000
M 2590 Y	21872	2600	90	70	680	630	490	2655	75	5,850	3,480	3,570	50000
M 3006 A	21873	3100	6	4	210	190	150	805	3	4,420	1,050	1,245	4500
M 3008 R	21874	3100	8	6	230	220	170	860	4	4,475	1,060	1,320	5500
M 3010 B	21875	3100	10	8	250	230	190	870	5.5	4,475	1,210	1,320	6000
M 3015 C	21876	3100	15	13	290	270	210	985	7.5	4,475	1,460	1,520	8000
M 3018 C	21877	3100	18	14	310	280	230	995	11	4,475	1,460	1,520	9000
M 3022 D	21878	3100	22	18	350	330	250	1090	11	5,220	1,720	1,830	13000
M 3028 M	21879	3100	28	22	380	360	270	1415	15	4,760	1,924	2,005	17000
M 3035 E	21880	3100	35	26	430	380	300	1420	18.5	5,340	1,980	2,090	19000
M 3038 F	21881	3100	38	32	440	410	320	1740	22	5,555	2,180	2,385	
M 3042 G	21882	3100	42	34	460	420	360	1850	30	6,140	2,695	2,450	27000
M 3048 G	21883	3100	48	36	480	440	370	1860	30	6,140	2,695	2,450	29000
M 3055 H	21884	3100	55	40	540	510	430	2255	45	6,140	3,130	3,065	50000
M 3065 I	21885	3100	65	50	630	570	460	2655	56	6,350	3,480	3,570	6000
M 3075 Y	21886	3100	75	55	680	620	490	2655	75	6,350	3,480	3,570	71000

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