



Series G Hydraulic 3-Roll Plate Bending Rolls

The line of 3 roll bending machines is reliable and tested, with three driving rollers with hydraulic double pinching that guarantee a precise and constant drag of the material. Easy to use and accurate in executing shell rings, it boasts a unique versatility thanks to the exclusive MG planetary geometry.

The parallelism of the side rolls is controlled by a torsion bar system that connects both sides' ends, eliminating the disadvantage of delicate and unreliable encoders. The rolls are driven by hydraulic motors and high-efficiency planetary gearboxes, coupled directly on the rolls. The MG solution reduces the dispersions of the applied force generated by the various components' frictions.



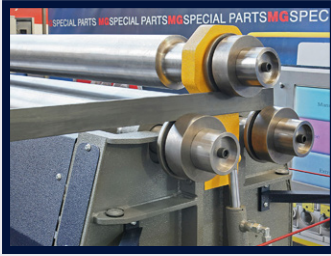
Series G Range

Machine Features

- 3-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 to 50-55 HRC
- 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
- All three 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



TECHNICAL SPECIFICATIONS

MODEL	STOCK CODE	Bending Length mm	Rolling Capacity mm	Pre Bending mm	Top Roll Diameter mm	Bottom Roll Diameter mm	Working Height mm	Motor kW	Length mm	Height mm	Width mm	Weight kg
G 1204 A	21800	1,250	4	2.5	120	110	685	2.2	2,390	760	960	900
G 1504 A	21801	1,500	5	3	130	125	685	2.2	2,690	760	960	1,000
G 1706 A	21802	1,750	6	4	150	140	700	2.2	2,890	760	960	1,100
G 2004 L	21803	2,050	4	3	140	130	695	3	3,190	760	960	1,600
G 2006 P	21804	2,050	6	4	160	140	705	3	3,190	760	960	2,000
G 2008 B	21805	2,050	8	6	190	170	760	3	3,320	940	1,165	2,600
G 2010 B	21806	2,050	10	8	210	190	770	4	3,205	940	1,165	3,000
G 2014 R	21807	2,050	14	10	230	200	850	5.5	3,205	960	1,224	3,500
G 2020 C	21808	2,050	20	14	280	260	920	7.5	3,540	1,230	1,400	4,500
G 2025 D	21809	2,050	25	20	300	290	1,025	11	3,955	1,660	1,665	5,000
G 2032 M	21810	2,050	32	25	330	310	1,425	15	4,185	2,030	2,140	7,000
G 2040 E	21811	2,050	40	32	380	370	1,425	18.5	4,185	2,030	2,140	10,000
G 2050 G	21812	2,050	50	40	430	400	1,580	30	4,730	2,070	2,480	15,000
G 2060 H	21813	2,050	60	50	500	450	1,905	37.5	5,290	2,490	2,785	20,000
G 2070 I	21814	2,050	70	55	600	540	2,460	56	5,400	3,000	3,360	35,000
G 2090 Y	21815	2,050	90	65	670	620	2,480	75	5,400	3,000	3,360	45,000
G 2506 P	21816	2,600	6	4	190	170	720	3	3,740	760	960	2,500
G 2508 B	21817	2,600	8	6	200	180	765	3	3,870	940	1,165	3,000
G 2510 B	21818	2,600	10	8	210	190	770	4	3,870	940	1,165	4,000
G 2514 R	21819	2,600	14	10	240	220	840	5.5	3,575	960	1,224	4,600
G 2518 C	21820	2,600	18	13	270	240	915	7.5	4,090	1,230	1,400	5,000
G 2525 D	21821	2,600	25	20	340	310	1,030	11	4,505	1,660	1,665	6,000
G 2530 M	21822	2,600	30	25	370	350	980	7.5	4,735	2,030	1,950	7,500
G 2535 E	21823	2,600	35	30	400	380	1410	22.5	4,735	2,030	2,140	13,000
G 2540 F	21824	2,600	40	35	420	390	1,410	22.5	4,735	2,030	2,140	15,000
G 2550 G	21825	2,600	50	40	470	430	1,480	30	5,230	2,075	2,480	20,000
G 2560 H	21826	2,600	60	50	500	460	1,905	37.5	5,790	2,490	2,785	30,000
G 2570 I	21827	2,600	70	55	600	540	2,460	56	5,900	3,000	3,360	38,000
G 2590 Y	21828	2,600	90	65	670	630	2,460	75	5,900	3,000	3,360	50,000
G 3006 B	21829	3,100	6	4	200	190	765	3	4,370	940	1,165	3,200
G 3008 B	21830	3,100	8	6	220	210	775	4	4,370	940	1,165	4,000
G 3010 B	21831	3,100	10	8	240	230	785	5.5	4,370	940	1,165	5,000
G 3014 C	21832	3,100	14	10	290	260	925	7.5	4,590	1,230	1,400	7,000
G 3016 C	21833	3,100	16	12	300	270	935	7.5	4,590	1,230	1,400	8,000
G 3022 D	21834	3,100	22	16	350	320	1,035	11	5,005	1,660	1,665	9,000
G 3025 M	21835	3,100	25	20	370	350	1,425	18	5,235	2,030	2,140	10,000
G 3032 E	21836	3,100	32	25	400	380	1,435	22	5,235	2,030	2,140	14,000
G 3036 F	21837	3,100	36	28	430	400	1,435	22	5,235	2,030	2,140	16,000
G 3042 G	21838	3,100	42	32	460	420	1,480	30	5,730	2,075	2,480	23,000
G 3048 G	21839	3,100	48	35	480	440	1,480	37	5,730	2,075	2,480	25,000
G 3055 H	21840	3,100	55	40	530	500	1,905	44	6,290	2,490	2,785	30,000
G 3065 I	21841	3,100	65	50	610	570	2,460	56	6,400	3,000	3,360	40,000
G 3075 Y	21842	3,100	75	55	680	530	2,420	75	6,900	2,750	3,560	50,000

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