



DPBM-4 Powered Hydraulic Sheet Bending Rolls

The Morgan Rushworth DPBM-4 range of rolls have been designed to bend thin sheets and medium size plate material up to a width of 3100mm. The 4 roll design allows for double pre-bending with its powerful linear action hydraulic cylinders. The lower roll is hydraulically raised to 'pinch' the material which greatly assists the operator for precision bending. Hydraulic drop end ensures effortless removal of tubular components.

The standard machines have three digital readouts to indicate the position of all the moving rolls, whilst the optional NC controller can be programmed for accuracy and volume production.

DPBM-4 Range with optional central support



Features and Benefits



1270 to 3100mm Bending Widths



80 to 250mm Roll Diameters



Up to 15mm Pre-Bending Capacity



Up to 12mm Rolling Capacity



Manual Control Operation



Optional Side and Central Supports

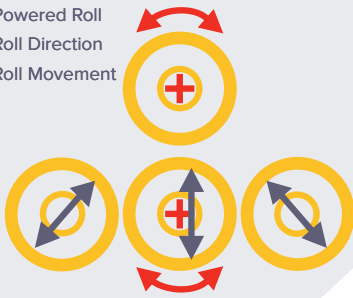
Machine Features

- DRO for all three movable rolls
- Powered lower roll rotation with Cardan joint system and hydraulically raised higher and lower
- Welded steel construction
- Induction hardened rolls
- Safety trip wire around the machine
- Cone bending device
- Mobile control panel
- Hydraulic driven top roll with lower roll driven through planetary gearbox. (275mm & 300mm top roll models)
- Hydraulic drop end with top roll tilt for easy material removal (275mm & 300mm top roll models)

Optional Equipment

- CNC/NC Controller
- Hydraulic side supports
- Two speed rotation
- Hydraulic central support

- + Powered Roll
- ↻ Roll Direction
- ↔ Roll Movement



TECHNICAL SPECIFICATIONS

MODEL	STOCK CODE	Bending Length mm	Pre Bending mm	Max. Thickness mm	Top / Bottom Roll Diameter mm	Side Roll Diameter mm	Motor kW	Length mm	Height mm	Width mm	Weight kg
DPBM-4 1270/80	M3244	1270	1.5	2	80	80	1.1 + 0.75	2570	950	960	1250
DPBM-4 1270/100	M3245	1270	2	3	100	90	1.1 + 0.75	2570	950	960	1350
DPBM-4 1270/130	M3246	1270	4	5	130	130	1.5 + 0.75	3020	1150	1110	2150
DPBM-4 1270/150	M3247	1270	5	7	150	130	2.2 + 1.1	3020	1150	1110	2155
DPBM-4 1270/180	M3248	1270	7.5	10	180	150	3.0 + 1.1	3070	1350	1290	2700
DPBM-4 1270/200	M3249	1270	10	12	200	180	4.0 + 1.5	3070	1350	1290	3000
DPBM-4 1550/80	M3250	1550	1	1.5	80	80	1.1 + 0.75	2850	950	960	1350
DPBM-4 1550/100	M3251	1550	1.5	2	100	90	1.1 + 0.75	2850	950	960	1500
DPBM-4 1550/130	M3252	1550	3.5	4.5	130	130	1.5 + 0.75	3300	1150	1110	2250
DPBM-4 1550/150	M3253	1550	4.5	6.5	150	130	2.2 + 1.1	3300	1150	1110	2370
DPBM-4 1550/180	M3254	1550	7	9	180	150	3.0 + 1.1	3350	1350	1290	2900
DPBM-4 1550/200	M3255	1550	9	11	200	180	4.0 + 1.5	3350	1350	1290	3250
DPBM-4 1550/220	M3256	1550	10	12	220	180	5.5 + 1.5	3500	1500	1370	4250
DPBM-4 1550/250	M3257	1550	12	13	250	200	7.5 + 1.5	3500	1500	1370	4650
DPBM-4 2050/130	M3258	2050	3	4	130	130	1.5 + 0.75	3800	1150	1110	2450
DPBM-4 2050/150	M3259	2050	4	6	150	130	2.2 + 1.1	3800	1150	1110	2800
DPBM-4 2050/180	M3260	2050	6	8	180	150	3.0 + 1.1	3850	1350	1290	3300
DPBM-4 2050/200	M3261	2050	8	10	200	180	4.0 + 1.5	3850	1350	1290	3750
DPBM-4 2050/220	M3262	2050	9	11	220	180	5.5 + 1.5	4000	1500	1370	4800
DPBM-4 2050/250	M3263	2050	10	12	250	200	7.5 + 1.5	4000	1500	1370	5350
DPBM-4 2050/275 **	M3274	2050	15	18	275	220	16.5**	4400	1600	1800	7500
DPBM-4 2550/150	M3264	2550	3	4	150	130	2.2 + 1.1	4300	1150	1110	3230
DPBM-4 2550/180	M3265	2550	4	6	180	150	3.0 + 1.1	4350	1350	1290	3700
DPBM-4 2550/200	M3266	2550	6	8	200	180	4.0 + 1.5	4350	1350	1290	4250
DPBM-4 2550/220	M3267	2550	7	9	220	180	5.5 + 1.5	4500	1500	1370	5400
DPBM-4 2550/250	M3268	2550	8	10	250	200	7.5 + 1.5	4500	1500	1370	6100
DPBM-4 2550/275 **	M3275	2550	12	15	275	220	16.5**	4900	1600	1800	8500
DPBM-4 3100/180	M3269	3100	3	4	180	150	3.0 + 1.1	4850	1350	1290	4100
DPBM-4 3100/200	M3270	3100	4	6	200	180	4.0 + 1.5	4850	1350	1290	4750
DPBM-4 3100/220	M3271	3100	6	8	220	180	5.5 + 1.5	5000	1500	1370	6000
DPBM-4 3100/250	M3272	3100	7	9	250	200	7.5 + 1.5	5000	1500	1370	6800
DPBM-4 3100/275**	M3276	3100	10	12	275	220	16.5**	5400	1600	1800	9500

*Capacities are given for 250 N/mm plate yielding strength ** These models feature 2 Speed Control as standard