

PREBENDING CAPACITY CHART



MODEL: **MCB 3045**

Inside can Ø versus plate width and thickness

Material; **Mild Steel S275JR**
 with max. Ultimate Tensile Strength, up to: **450 Mpa**
 and with max. Elastic Yield Point up to : **280 Mpa**

Plate Width (mm)	Shell Inside Diameter (mm)				
	500 *	680 *	900	1350	2250
750	34	39	43	49	54
900	32	37	41	46	50
1050	30	34	38	43	48
1200	29	33	37	41	46
1350	28	32	35	39	43
1500	27	30	34	37	41
1650	26	29	33	35	41
1800	25	29	31	33	40
1950	25	28	29	31	39
2100	24	27	29	30	38
2250	24	26	27	29	38
2400	24	25	26	28	37
2550	23	25	26	27	36
2700	23	25	25	27	36
2850	23	24	25	26	36
3000	23	24	25	26	35

Plate Thickness (mm)

These capacities, in multiple passes, are approximate, depending by many factors and conditions. They are more accurate having more factors available (Material, UTS and Elastic Yield). Missing data increase the approximation and can make the calculated performances inaccurate. The Manufacturer responsibility is limited to performances specifically stated on the contract, and not presumed by these charts, based on theoretical calculations, approximate and not binding. Plates narrower than above, could generate concentrated overloads on small rolls surface sections * The diameters (especially the tighter) are approximate. They do not commit the manufacturer responsibility, as they are calculated on the machine power only. The material spring back could in fact re-open the calculated and rolled cylinders to larger diameters, out of the machine power and control. The thinner is the plate and the more its spring back re-opens the rolled diameters.

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