

ROLLING CAPACITY CHART



MODEL: **MCB 3045**

Inside can Ø versus plate width and thickness

Material; **Mild Steel S355JR**

with max. Ultimate Tensile Strength, up to: **500 Mpa**

and with max. Elastic Yield Point up to : **360 Mpa**

Plate Width (mm)	Shell Inside Diameter (mm)				
	500*	680*	900	1350	2250
750	33	39	44	50	56
900	31	37	41	47	53
1050	29	34	39	45	50
1200	28	33	37	42	47
1350	27	32	36	41	46
1500	26	30	34	39	44
1650	25	29	33	38	42
1800	25	29	33	37	41
1950	24	28	32	36	41
2100	24	27	31	35	39
2250	23	27	30	35	39
2400	23	26	30	34	38
2550	22	26	29	34	38
2700	22	26	29	33	37
2850	22	26	29	33	37
3000	22	25	29	33	37

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.

27/07/2012