

ROLLING CAPACITY CHART



MODEL : **MCB 3053**

Inside cylinder 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)				
	590**	800**	1060	1590	2650
1200	36	41	46	52	58
1350	34	39	44	50	55
1500	33	38	42	48	54
1650	32	37	41	47	52
1800	31	36	40	46	50
1950	30	35	39	44	49
2100	30	34	38	44	48
2250	29	34	38	43	48
2400	29	33	37	42	47
2550	28	33	37	42	46
2700	28	32	36	41	46
2850	28	32	36	41	46
3000	28	32	36	41	45
Plate Thickness (mm)					

This chart is referred to a brand new machine, with all the components in original and perfect condition, providing full performances. After a long operation time, parts of the machine could be worn, used or consumed, and could drop their efficiency, affecting the performances of the machine and reducing the capacities of this chart.

A refurbishment of the machine could, however, in many cases, regenerate its original capacities.

The Manufacturer responsibility is limited to performances specifically committing in the contract, and not resulting by this chart, based on theoretical calculations, approximate, in multiple passes and not binding.

Narrow plates (the worst if hard and/or thick and/or rolled down to tight diameters) could generate concentrated risky overloads and cracks on surface of the rolls, also due to the physical "bridging" or "arching" effect on the plates.

* For this physical reason, diameters \leq to 8 times the thickness can generate concentrated risky overloads and surface cracks on small sections of the rolls.

** The diameters are approximate and can re-open due to the material springback (especially the tighter)