

ROLLING CAPACITY CHART



MODEL : **MCB 3053**

Inside cylinder 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)				
	590**	800**	1060	1590	2650
1200	38	44	49	56	63
1350	36	42	47	54	61
1500	35	40	46	52	59
1650	34	39	44	51	57
1800	33	38	43	49	56
1950	32	38	42	48	54
2100	32	37	41	47	53
2250	31	36	40	46	52
2400	31	36	40	46	52
2550	30	35	40	45	51
2700	30	35	39	45	51
2850	30	35	39	45	50
3000	30	34	39	44	50
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)