

PREBENDING 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	34	38	42	46	51
1350	33	37	40	45	48
1500	32	36	39	43	46
1650	31	34	38	42	43
1800	30	34	37	39	40
1950	29	33	36	37	38
2100	28	32	34	36	36
2250	28	32	33	34	35
2400	28	31	32	33	34
2550	27	30	31	32	33
2700	27	30	31	32	33
2850	27	30	30	31	32
3000	27	29	30	31	32
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)