ROLLING CAPACITY CHART

MODEL: ***MCB E-30***

Inside cylinder can Ø versus plate width and thickness

Material; **Mild Steel**
with max. Ultimate Tensile Strength, up to: **400 MPa**
and with max. Elastic Yield Point up to : **260 MPa**

Plate Width (mm)	Shell Inside Diameter (mm)				
	*380**	*510**	*680*	*1020*	*1700*
1200	18	20	22	25	27
1350	17	20	22	24	26
1500	17	19	21	23	25
1650	16	18	20	23	24
1800	16	18	20	22	24
1950	15	18	19	22	23
2100	15	17	19	21	23
2250	15	17	19	21	23
2400	15	17	18	20	22
2550	15	16	18	20	22
2700	14	16	18	20	22
2850	14	16	18	20	22
3000	14	16	18	20	22
	Plate Thickness (mm)				

These capacities, in multiple passes, are approximated and depends by many factors and conditions.
Plates narrower than above, could generate concentrated overloads on small rolls surface sections
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.
* 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.
Cones applications reduces the a.m. capacities.

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