ROLLING CAPACITY CHART

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

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)				
	*380**	*510**	*680*	*1020*	*1700*
1200	16	17	19	21	22
1350	15	17	18	20	21
1500	15	16	18	19	21
1650	14	16	17	19	20
1800	13	15	17	18	19
1950	13	15	16	18	19
2100	13	15	16	17	19
2250	13	15	16	17	19
2400	12	14	16	17	18
2550	12	14	15	17	18
2700	12	14	15	17	18
2850	12	14	15	16	18
3000	12	14	15	16	18
	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.

08/07/2016