PREBENDING 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	17	19	21	23	25
1350	17	18	19	20	24
1500	16	17	18	19	23
1650	15	16	17	18	22
1800	15	15	16	17	21
1950	14	14	15	16	19
2100	13	14	14	15	19
2250	13	13	14	15	19
2400	12	13	14	14	19
2550	12	13	13	14	18
2700	12	13	13	14	18
2850	12	13	13	14	18
3000	12	13	13	14	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