

ROLLING CAPACITY CHART



MODEL: **MCB 3045**

Inside shell diameter versus plate width and thickness, in multiple passes,

Material: with max Yield Point 360 N/mm²

Plate Width (mm)	Shell Inside Diameter (mm)				
	1,1 top roll Ø	1,5 top roll Ø	3 top roll Ø	5 top roll Ø	10 top roll Ø
	495	675	1350	2250	4500
450	39	46	58	60	60
600	35	41	52	59	60
750	32	37	48	54	58
900	30	35	45	50	54
1050	29	33	42	48	52
1200	27	32	41	46	50
1350	26	30	39	44	48
1500	25	29	38	42	46
1650	25	29	37	41	45
1800	24	28	36	40	44
1950	23	27	35	39	42
2100	23	26	34	38	41
2250	22	26	33	37	41
2400	22	25	33	37	41
2550	22	25	33	37	40
2700	21	25	33	37	40
2850	21	25	33	36	39
3000	21	25	32	36	39
	Plate Thickness (mm)				

The diameters (especially the tightest) are approximate and do not commit the manufacturer, as they are calculated on the machine power only. The material spring back could in fact re-open the rolled cylinders to diameters larger than calculated, but out of the machine control, depending from the physical material spring-back.. The thinner is the plate and the more its spring back will re-open the rolled diameters. That's why the thinnest stated capacities can more likely re-open to larger diameter than calculated (because of their higher spring back) even if tightly "wrapped" around the top roll. Thinner thicknesses than the minimum herewith stated, or harder materials should re-open more than the minimum diameter indicated because of their higher spring back. The above diameters are based on the machine power to get them; however, the natural, physical spring back of the material could, sometimes, re-open to diameters larger than stated, but out of the machine power control.