



M. + M. MAI GMBH
PRÄZISIONS-RUNDSCHLEIFMASCHINEN



CYLINDRICAL GRINDING GIANT IN A COMPACT DESIGN

CNC cylindrical grinding machine for high-precision external grinding

NUMBERS THAT SPEAK FOR THEMSELVES

	TBS440	TBS450 TBS450A	TBS460 TBS460A	TBS640	TBS650 TBS650A	TBS660 TBS660A
Technical specifications						
Distance between centres in mm	430			650		
Centre height in mm	100 (opt. 150)	100 (opt. 150)	150	100 (opt. 150)	100 (opt. 150)	150
Grinding length in mm	400			650		
Power requirement in kVa	21	28	38	21	28	38
Weight in kg	4.400	4.500 4.600	4.600 4.700	4.400	4.500 4.600	4.600 4.700
Grindable workpiece diameter						
Max. workpiece diameter with full disc	198 (opt. 298)	198 (opt. 298)	298	198 (opt. 298)	198 (opt. 298)	298
Min. workpiece diameter with worn disc	1			1		
Axle drive						
X-axis speed in mm/min	8.000			8.000		
X-axis resolution in µm in mm/min	0,1			0,1		
Z-axis speed in mm/min	8.000			8.000		
Z-axis resolution in µm	0,1			0,1		
Workhead						
Spindle taper	MK5			MK5		
Workpiece weight between centres	100			100		
Overhung workpiece weight including clamping device in kg	80			80		
Pivotability	+30 ° / -45 °			+30 ° / -45 °		
Spindle speeds	20 – 1.000			20 – 1.000		
Grinding wheelhead						
Grinding wheel diameter in mm	400	500	600	400	500	600
Grinding wheel width in mm	80	80 150	120 150	80	80 150	120 150
Pivotability left	9 °			9 °		
Pivotability right	9 °			9 °		
Motor power in kW	8	12	15	8	12	15
X-axis adjustment range in mm	340			340		
Longitudinal slide						
Longitudinal slide in mm	480			950		
Pivotability of the workpiece table	+/- 9 °			+/- 9 °		
Tailstock						
Taper	MK3			MK3		
Quill travel in mm	20 (opt. 60 or 120)			20 (opt. 60 or 120)		
Space requirement (WxHxD)						
Space requirement in mm	2.500x4.400x2.350			3.000x4.400x2.350		