

Heavy-Duty Ball Grinding Machine

SLM 40 S / FS



SpezialMaschinenfabrik-Schonungen-GmbH
D-97453 Schonungen

Technical data

Heavy-Duty Ball Grinding Machine SLM 40 S / FS

Working range:	Smallest ball diameter	[mm]	1
	Largest ball diameter	[mm]	8
Machining pressure:	maximum	[kN]	45
Compressive force control:	automatically or manually		
Grinding precision:	Sphericity	according to ball diameter and DIN 5401	
	Load tolerance	according to ball diameter and DIN 5401	
Guiding disk:	Special cast iron, hardened		
Grinding disk:	Ceramic-bond silicon carbide disk		
	different coarseness, different hardness		
Guiding disk FS:	Special cast iron, unhardened		
Grinding disk FS:	bakelite-bond disk		
	different coarseness		
Disk dimensions:	Outer diameter	[mm]	400
	Inner diameter	[mm]	164
	Thickness (guiding-/grinding-)	[mm]	80/65
	Speed range	[min ⁻¹]	20-120
Standard ring magazine:	Outer diameter	[mm]	844
	Capacity, max.	[kg]	50
	Speed range	[min ⁻¹]	0,05-1,60
Driving data:	Total power supply	[kW]	7
Main drive:	Power	[kW]	5,5
	Speed range	[min ⁻¹]	200-1200
Ring magazine drive:	Power	[kW]	0,25
	Speed (motor / gear)	[min ⁻¹]	1500 / 12
Vertical adjustment of the ring magazine:	Power	[kW]	0,12
	Speed (motor / gear)	[min ⁻¹]	3000 / 215
Vertical adjustment of the disks and adjustment of the pressure:	Power	[kW]	0,37
	Speed (motor / gear)	[min ⁻¹]	3000 / 200
Trueing Device:	Power	[kW]	0,05
	Speed (motor / gear)	[min ⁻¹]	1500 / 7
Ball Pushing Device:	Power	[kW]	0,05
	Speed (motor / gear)	[min ⁻¹]	3000 / 30
Coolant pump:	Power	[kW]	0,5
	Speed	[min ⁻¹]	3000
	Conveying capacity	[l/min]	160
Space requirement:	Lenght x width	[mm]	2100 x 1450
	Total height	[mm]	2050
Weight:	net	[kg]	1235
	gross	[kg]	1550
Case measurements:	Lenght x width x height	[mm]	1400x1300x2280
	Volume	[m ³]	4,2

Construction modifications reserved



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