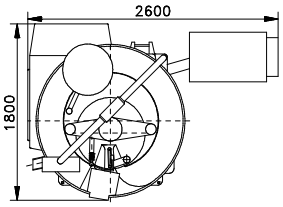
Heavy Duty Ball Grinding Machine
SLM 72 S

Spezial**M**aschinenfabrik-**S**chonungen-GmbH
D-97453 Schonungen

Technical Data

Heavy Duty Ball Grinding Machine SLM 72 S

Working range:	Smallest ball diameter	[mm]	2,50
	Largest ball diameter	[mm]	25,4
Machine pressure:	maximum	[kN]	185
Compressive force control:	automatic or manual		
Grinding precision:	Sphericity	according to ball diameter and DIN 5401	
	Load tolerance	according to ball diameter and DIN 5401	
Guiding disk:	Special cast iron, hrdened		
Grinding disk:	Ceramic bond silicon carbide disk		
	Different coarseness, different hardness		
Disk dimensions:	Outer diameter	[mm]	720
	Inner diameter	[mm]	300
	Thickness (guiding-/grinding)	[mm]	90/75
	Speeds	[min^{-1}]	40 - 200
Ring magazine:	Outer diameter	[mm]	1500
	Capacity, max.	[kg]	400
	Range of speed	[min^{-1}]	0,01-0,4
Driving data:	Total power condumption	[kW]	33,9
Main drive:	Power	[kW]	30
	Speeds	[min^{-1}]	1500
Ring magazine drive:	Power	[kW]	0,75
	Speeds	[min^{-1}]	1500
Vertical adjustment of the	Power	[kW]	0,55
ring magazine:	Speeds	[min^{-1}]	3000/200
Ball stacker (optional):	Power	[kW]	0,12
	Speeds	[min^{-1}]	3000/70
Adjustment of the	Power	[kW]	0,37
counter nut:	Speeds	[min^{-1}]	3000/280
Pump for electrohydraulic	Power	[kW]	0,75
disk adjustment, adjustment	Speed	[min^{-1}]	1500
of pressure and trueing device:	Conveying capacity	[l/min]	2,2
Pump for circulation	Power	[kW]	0,17
lubrification:	Speed	[min^{-1}]	3000
	Conveying capacity	[l/min]	1
<u>Individual Coolant Tank</u>			
<u>(Special accessory)</u>	Power	[kW]	0,5
Pump for coolant circulation:	Speed	[min^{-1}]	3000
	Conveying capacity	[l/min]	220
	Operating pressure	[bar]	0,2
Lifting pump	Power	[kW]	0,5
for coolant circulation:	Speed	[min^{-1}]	3000
	Conveying capacity	[l/min]	220
	Operating pressure	[bar]	0,2
Band filter drive:	Power	[kW]	0,12
	Speed	[min^{-1}]	1500
Drive for magnetic separator:	Power	[kW]	0,06
	Speed	[min^{-1}]	1500/3
Space requirement of machine:	Length x width x height	[mm]	2600x1800x2200
Weight of machine:	net	[kg]	3810
	Gross	[kg]	4300
Case measurements:	Length x width x height	[mm]	2130x1800x2400
	Volume	[mm^3]	9,2



Konstruktionsänderungen vorbehalten

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