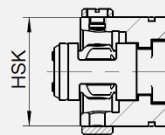


Hydrostatic internal grinding spindle **Spindle technic**

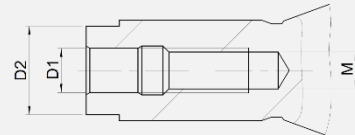


Special features:

- wear-free hydrostatic bearings
- very small vibrations
- high stiffness and load capacity
- good thermal stability
- best surface quality and dimensional accuracy on work piece
- interface HSK E/C manual or automatic



HSK



flat contact face

Advantages:

- wear free
=> unlimited lifetime
=> unchanged machine quality for many years
- no vibration of bearing
=> improved surface quality
=> almost noiseless operation
- excellent damping
=> improve surface quality at work piece
=> longer tools applicable
- high load capacity without reduction at high speed
- very high stiffness by using PM-flow controller
- ready to use set with inverter and hydraulic unit

max. speed	120.000 rpm	90.000 rpm	60.000 rpm	40.000 rpm	30.000rpm	16.000rpm
HSK size			HSK25E/C	HSK32E/C	HSK40E/C	HSK63E/C
flat contact face D2 / D1 / M	Ø12/Ø6/M6	Ø18/Ø10/M10	Ø24/Ø16/M16	Ø32/Ø22/M22	Ø38/Ø28/M28	Ø60/Ø36/M36
diameter of wheel	< 10 mm	< 25 mm	Ø2-20 mm	Ø3-30 mm	Ø4-50 mm	Ø20-250 mm
diameter of housing	Ø95 mm	Ø110 mm	Ø120 mm	Ø150 mm	Ø150 mm	Ø180 mm
max. radial/axial force	50 N	100 N	200 N	400 N	600 N	1500 N
balancing quality	G 0,4	G 0,4	G 0,4	G 0,4	G 0,4	G 0,4
grinding power	3 kW	8 kW	13 kW	16 kW	16 kW	20 kW
grinding torque	0.3 Nm	1.2 Nm	2.5 Nm	6.4 Nm	8 Nm	45 Nm