

FISCHER HIGH-SPEED SPINDLES FEZP-145... and FEZP-170...



FEZP high-speed spindles with for high-speed grinding on wood and plastics processing machines

- Robust bearings
- Designed to accommodate a C-axis and driven tools
- Excellent spindle shaft sealing
- Dependable water cooling
- Direct-mount housing



Type		FEZPS-145/145x380	FEZPS-170x400 VC	FEZPS-170x400 VC
Diameter Ø	Ø mm	Ø 145/145	Ø 170	Ø 170
Length	~ mm	~380	~ 400	~ 400
Operation position	⇐ ↓ ⇒	⇐ ↓ ⇒	⇐ ↓ ⇒	⇐ ↓ ⇒
Motor	Poles	4	4	4
Rotation	⇐ ⇒	⇐ ⇒	⇐ ⇒	⇐ ⇒
Frequency	Hz	400	700	900
Max. speed	Rpm / Min⁻¹	12000	21000	27000
Power S1 100% / S6 60% (P)	KW	4-4-4 / 5-5-5	5-20-20 / 5.5-22-22	5.4-20-20-19 / 6-22-22-19
at speed	Rpm / Min⁻¹	3000-6000-12000	3000-11000-21000	3000-11000-13500-27000
Torque S1 100% / S6 60% (M)	Nm	12.7-6.4-3.2 / 15.9-8-4	16-17-14-9 / 18-19-15.5-10	17-17-14-8 / 19-19-16-8
at speed	Rpm / Min⁻¹	3000-6000-12000	0-3000-11000-13500-21000	0-3000-11000-13500-27000
Taper		HSK F-80	HSK F-63	HSK F-63
Clamping force (static)	N	18000	11000	11000
Tool detection		By sensors	By sensors	By sensors
Taper blow out		By air 5 bar	By air 5 bar	By air 5 bar
Lubrication system		Grease	Grease	Grease
Front seal		By air curtain 1 bar	By air curtain 2-3 bar	By air curtain 1 bar
Cooling system		Liquid cooling	Liquid cooling	Liquid cooling