

FISCHER HIGH-SPEED SPINDLES FEZP-100... and FEZP-105 ...



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

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



Type		FEZPS-100x225	FEZPS-100x380	FEZPS-100x88.3	FEZPS-105/105x155
Diameter Ø	Ø mm	Ø 100	Ø 100	Ø 100	Ø 105/105
Length	~ mm	~ 225	~ 380	~88.3	~155
Operation position	⇄	⇄	⇄	⇄	⇄
Motor	Poles	4	4	4	2
Rotation	⇄	⇄	⇄	⇄	⇄
Frequency	Hz	600	400	600	900
Max. speed	Rpm / Min ⁻¹	18000	12000	18000	54000
Power S1 100% / S6 60% (P)	KW	3.1-12-12 / 3.1-13.5-13.5	4.1-4.1-4.1 / 5-5-5	3.1-12-12 / 3.1-13.5-13.5	1-4-1 / 1-4.4-1
at speed	Rpm / Min ⁻¹	3000-12000-18000	3000-6000-12000	3000-12000-18000	6000-16200-54000
Torque S1 100% / S6 60% (M)	Nm	9.9-9.6-6.4 / 9.9-10.8-7.2	13-6.5-3.26 / 16-8-4	9.9-9.6-6.4 / 9.9-10.8-7.2	1.6-2.4-0.17 / 1.6-2.6-0.17
at speed	Rpm / Min ⁻¹	3000-12000-18000	3000-6000-12000	3000-12000-18000	6000-16200-54000
Taper		HSK F-63	ISO-40	HSK F-63	HSK E-25
Clamping force (static)	N	11000	11000	11000	2800
Tool detection		By sensors	By sensors	By sensors	By sensors
Taper blow out		By air 5 bar	By air 5 bar	By air 5 bar	By air 0.5-1
Lubrication system		Grease	Grease	Grease	Oil-air
Front seal		By air curtain	By air curtain	By air curtain	By air curtain
Cooling system		Liquid cooling	Fan cooling	Liquid cooling	Liquid cooling
Options:					
Vector control VC		-	-	-	4