FISCHER HIGH-SPEED SPINDLES **HEN…**

HEN high-speed spindles with flange mounted motor and manual tool change

- Maintenance free grease lubrication
- Easy machine integration (motor controller only)
- Air liquid motor cooling
- For light duty high speed machining on milling, grinding and drilling
- For engraving machines

Type		HEN-32	HEN-40	HEN-50	HEN-60	HEN-70	HEN-80
Diameter (Shaft)	∅ mm	32	40	50	60	70	80
Length	~ mm	~ 360	~ 396	~ 463	~ 513	~ 588	~ 661
Collet		ER 12	EX 16	EX 20	EX 25	EX 32	EX 40
Collet region	mm	0.5…6.5	1…10	2…13	2…16	3…20	4…26
Operation position	⇐ ⇓ ⇒	⇐ ⇓ ⇒	⇐ ⇓ ⇒	⇐ ⇓ ⇒	⇐ ⇓ ⇒	⇐ ⇓ ⇒	⇐ ⇓ ⇒
Motor	Poles	2	2	2	2	2	2
Rotation	⇐ ⇒	⇐ ⇒	⇐ ⇒	⇐ ⇒	⇐ ⇒	⇐ ⇒	⇐ ⇒
Frequency	Hz	800	700	600	450	350	250
Max. speed	Min^{-1}	48000	42000	36000	27000	21000	15000
Final output S1 100%	KW	0.265	0.79	1.1	1.3	2	3
Final torque S1 100%	Nm	0.05	0.18	0.29	0.46	0.9	1.91
Cutoff speed	Min^{-1}	30000	27000	24000	27000	21000	15000
Max. output S1 100%	KW	0.265	0.79	1.1	1.3	2	3
Max. torque S1 100%	Nm	0.08	0.28	0.44	0.46	0.9	1.91
Static rigidity axial	N/ym	17	40	50	54	60	120
Static rigidity radial	N/ym	17	50	50	67	100	120
Lubrication system		Grease	Grease	Grease	Grease	Grease	Grease
Cooling system		Air-cooled	Air-cooled	Air-cooled	Air-cooled	Air-cooled	Air-cooled