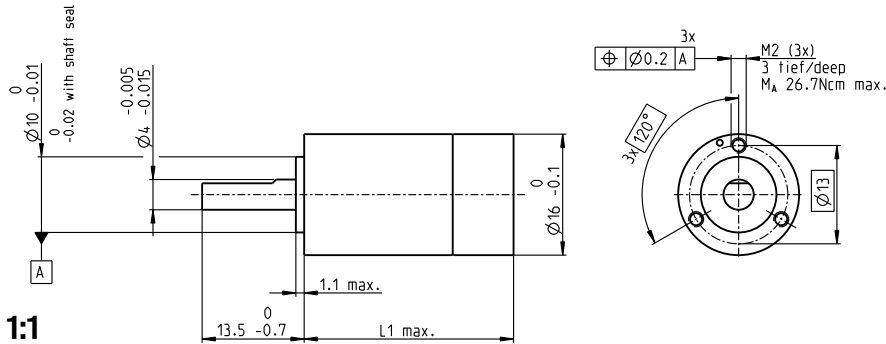


GPX 16 SPEED Ø16 mm, planetary gearhead

Sterilizable



GPX

M 1:1

Key data	Without shaft seal*	With shaft seal*
Max. transmittable power	W 42 (5.2)	42 (5.2)
Max. continuous torque	Nm 0.11 (0.2)	0.11 (0.2)
Max. continuous input speed	rpm 50 000	50 000
Ambient temperature	°C -10...+135	-10...+135
Bearing at output	Ball bearing	Ball bearing

Operating range (output shaft)	Without shaft seal	With shaft seal
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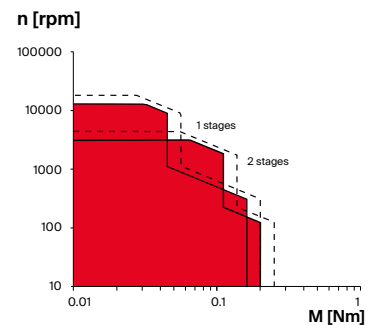
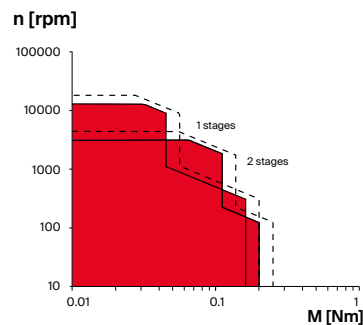
Continuous operation
Intermittent operation

Sterilization information

Without shaft seal: typically 1000 autoclave cycles
With shaft seal: typically 2000 autoclave cycles

Sterilization with steam

Temperature 134 °C ±4 °C
Compression pressure up to 2.3 bar
Rel. humidity 100%
Cycle length 18 minutes



Specifications	Without shaft seal*	With shaft seal*
Number of stages	1 2	1 2
Max. transmittable continuous power	W 42 (5.2) 21 (2.6)	42 (5.2) 21 (2.6)
Max. transmittable intermittent power	W 52 (6.5) 25 (3.3)	52 (6.5) 25 (3.3)
Max. continuous torque	Nm 0.045 (0.16) 0.11 (0.20)	0.045 (0.16) 0.11 (0.20)
Max. intermittent torque	Nm 0.055 (0.20) 0.140 (0.25)	0.055 (0.20) 0.140 (0.25)
Max. continuous input speed	rpm 50 000 50 000	50 000 50 000
Max. intermittent input speed	rpm 70 000 70 000	70 000 70 000
Max. efficiency	% 85 80	85 80
Average backlash no load	° 1.4 1.6	1.4 1.6
Max. axial load (dynamic)	N 30.0 30.0	30.0 30.0
Max. radial load, 5 mm from flange	N 25.0 35.0	15.0 20.0
Gearhead length L ¹	mm 27.7 35.1	35.3 42.7
Weight	g 27 35	37 45

Configuration	Without shaft seal	With shaft seal
Number of stages	1 2	1 2
Reduction	X:1 3.9, 5.3, 6.6 16, 21, 26, 28, 35, 44	3.9, 5.3, 6.6 16, 21, 26, 28, 35, 44
Absolute reduction: (see online)		

Version Without shaft seal/With shaft seal
Flange Standard flange
Shaft Length/flat face/cross hole

Modular system	Page
EC motor	Nº of stages [opt.]
ECX SPEED 16 M	1-2 211-212
ECX SPEED 16 L	1-2 215-216

¹This length may vary depending on the configuration and choice of motor. The effective length is calculated at the end of the configuration process.

*Values in parentheses apply in case of reduced speed (according to diagram).