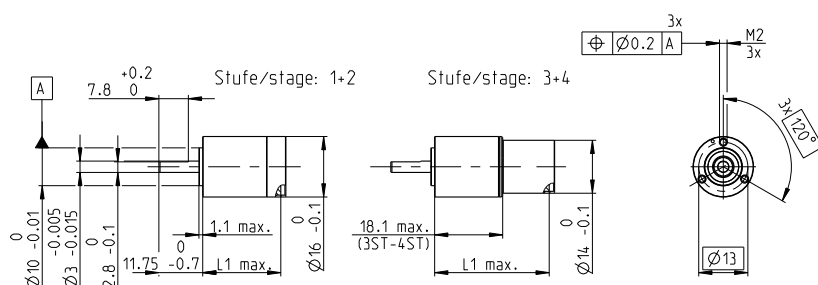


GPX 16 Ø16 mm, planetary gearhead

GPX

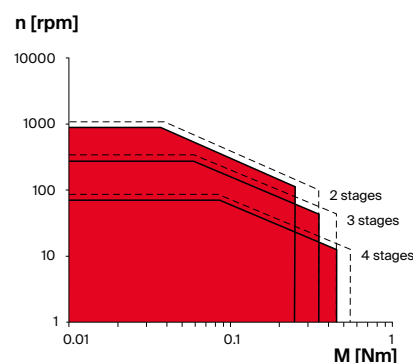
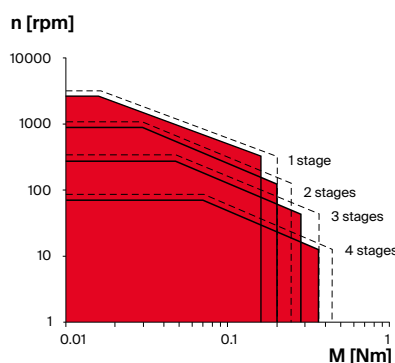


M 1:1

Key data	LN Noise reduced	LZ Backlash reduced
Max. transmittable power	W 5.2	3.2
Max. continuous torque	Nm 0.36	0.5
Max. continuous input speed	rpm 16 000	16 000
Ambient temperature	°C -40...+85	-40...+100
Bearing at output	Ball bearing	Ball bearing
Typical noise level	dBA -5 dBA compared to standard configuration	

Operating range (output shaft)	LN Noise reduced	LZ Backlash reduced
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Continuous operation
Intermittent operation



Specifications	LN Noise reduced	LZ Backlash reduced
Number of stages	1 2 3 4	2 3 4
Max. transmittable continuous power	W 5.2 2.6 1.3 0.5	3.2 1.6 0.6
Max. transmittable intermittent power	W 6.5 3.3 1.6 0.6	4.0 2.0 0.8
Max. continuous torque	Nm 0.16 0.20 0.28 0.36	0.25 0.35 0.45
Max. intermittent torque	Nm 0.20 0.25 0.35 0.45	0.35 0.45 0.55
Max. continuous input speed	rpm 12 000 14 000 16 000 16 000	14 000 16 000 16 000
Max. intermittent input speed	rpm 15 000 17 500 20 000 20 000	17 500 20 000 20 000
Max. efficiency	% 90 80 75 65	80 75 65
Average backlash no load	° 1.0 1.2 1.3 1.4	0.8 0.9 1.0
Max. axial load (dynamic)	N 20 20 20 20	20 20 20
Max. radial load, 5 mm from flange	N 30 45 70 70	45 70 70
Gearhead length L ¹	mm 15.8 20.7 25.7 30.6	20.7 25.7 30.6
Weight	g 20 25 27 30.6	25 27 30.6

Configuration	LN	Noise reduced				LZ	Backlash reduced			
Number of stages		1	2	3	4		2	3	4	
Reduction	X:1	3.9, 5.3, 6.6	16, 21, 26, 28, 35, 44	62, 83, 103, 111, 138, 150, 172, 186, 231	243, 326, 406, 439, 546, 590, 679, 734, 794, 913, 987, 1135, 1227, 1526		16, 21, 26, 28, 35, 44	62, 83, 103, 111, 138, 150, 172, 186, 231	243, 326, 406, 439, 546, 590, 679, 734, 794, 913, 987, 1135, 1227, 1526	
Absolute reduction: (see online)										
Version	Standard/ceramic version/noise reduced/backlash reduced/high power									
Flange	Standard flange/configurable flange									
Shaft	Length/flat face									

Modular system	Page	Page
DC motor	Nº of stages [opt.]	EC motor
DCX 14 L	3-4 103-104	ECX SPEED 13 M 3-4 201-202
DCX 16 S	1-2 [3-4] 105-106	ECX SPEED 13 L 3-4 205-206
DCX 16 L	1-2 [3-4] 107-108	ECX SPEED 16 M 1-2 [3-4] 209-210
DC-max 16 S*	1-2 [3-4] 121-122	ECX SPEED 16 L 1-2 [3-4] 213-214
		ECX PRIME 16 M* 1-2 236
		ECX PRIME 16 L* 1-2 237

*Limited selection of reduction ratios (see online).

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