

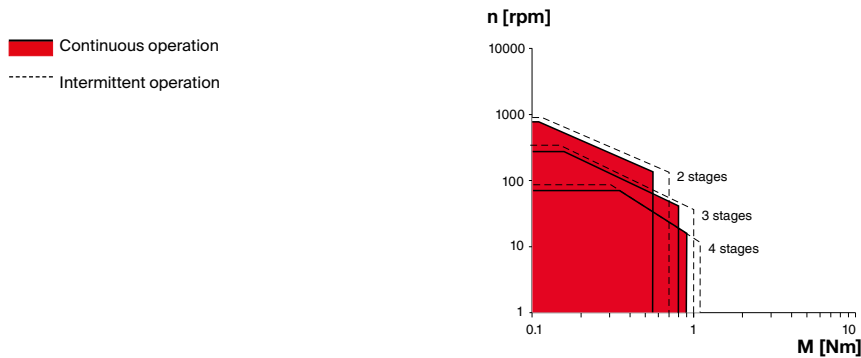
GPX 16 Ø16 mm, planetary gearhead



GPX

Key Data		HP High Power
Max. transmittable power	W	8
Max. continuous torque	Nm	0.9
Max. continuous input speed	rpm	16 000
Ambient temperature	°C	-40 ... +100
Bearing at output		Ball bearing

Operating Range (output shaft) HP High Power



Specifications HP High Power

Specifications		2	3	4
Number of stages		2	3	4
Max. transmittable power (continuous)	W	8.0	4.0	1.5
Max. transmittable power (intermittent)	W	10.0	4.4	1.5
Max. continuous torque	Nm	0.55	0.80	0.90
Max. intermittent torque	Nm	0.70	1.00	1.10
Max. continuous input speed	rpm	12000	14000	16000
Max. intermittent input speed	rpm	15000	17500	20000
Max. efficiency	%	75	65	55
Average backlash no load	°	1.2	1.3	1.4
Max. axial load (dynamic)	N	30	30	30
Max. radial load, 5 mm from flange	N	80	90	90
Gearhead length L ¹	mm	25.9	30.9	35.7
Weight	g	31	35	39

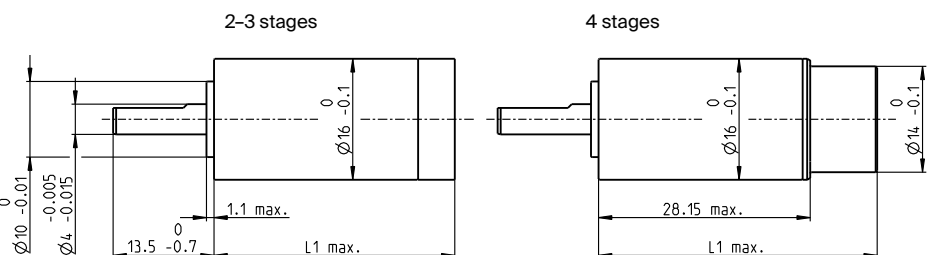
Configuration HP High Power

Configuration		2	3	4
Number of stages		2	3	4
Reduction	X:1	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		
Shaft		Length/flat face/cross hole		

maxon Modular System Page Dimensions M 1:1

maxon DC motor	Nº of stages [opt.]	Page
DCX 14 L	4	91-92
DCX 16 S	2-3 [4]	93-94
DCX 16 L	2-3 [4]	95-96

maxon EC motor	Nº of stages [opt.]	Page
ECX SPEED 13 M	4	187-188
ECX SPEED 13 L	4	191-192
ECX SPEED 16 M	2-3 [4]	195-196
ECX SPEED 16 L	2-3 [4]	199-200



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

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