

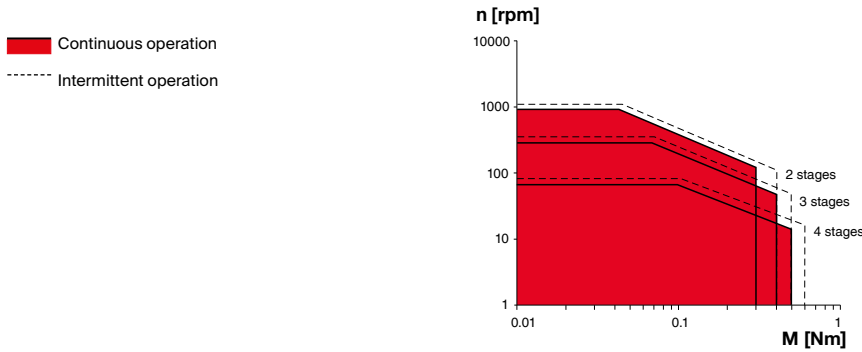
GPX 14 Ø14 mm, planetary gearhead

GPX



Key Data		HP High Power
Max. transmittable power	W	4.0
Max. continuous torque	Nm	0.50
Max. continuous input speed	rpm	16000
Ambient temperature	°C	-40 ... +100
Bearing at output		Ball bearing

Operating Range (output shaft) HP High Power



Specifications HP High Power

Specifications		HP High Power	2	3	4
Number of stages			2	3	4
Max. transmittable power (continuous)	W		4.0	2.0	0.7
Max. transmittable power (intermittent)	W		5.0	2.5	1.0
Max. continuous torque	Nm		0.30	0.40	0.50
Max. intermittent torque	Nm		0.40	0.50	0.60
Max. continuous input speed	rpm		14000	16000	16000
Max. intermittent input speed	rpm		17500	20000	20000
Max. efficiency	%		75	65	55
Average backlash no load	°		1.3	1.45	1.7
Max. axial load (dynamic)	N		20	20	20
Max. radial load, 5 mm from flange	N		45	70	70
Gearhead length L ¹	mm		23.9	29.0	33.7
Weight	g		21	25	27

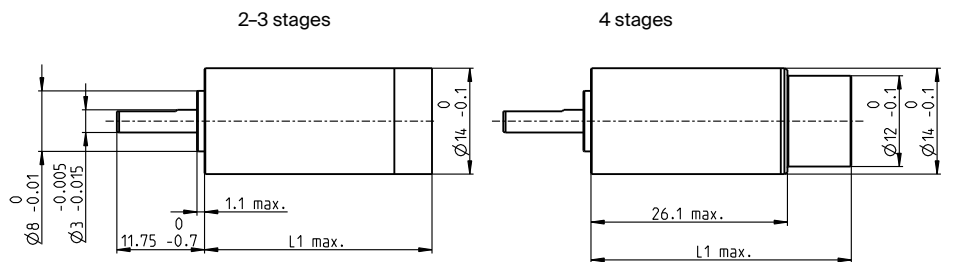
Configuration HP High Power

Configuration		HP High Power	2	3	4
Number of stages			2	3	4
Reduction	X:1		16, 21, 26, 28, 35	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			

maxon Modular System Page Dimensions M 1:1

maxon DC motor	N° of stages [opt.]	Page
DCX 12 S	4	89
DCX 12 L	4	90
DCX 14 L	2-3 [4]	91-92

maxon EC motor	N° of stages [opt.]	Page
ECX SPEED 13 M	2-3 [4]	187-188
ECX SPEED 13 L	2-3 [4]	191-192



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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