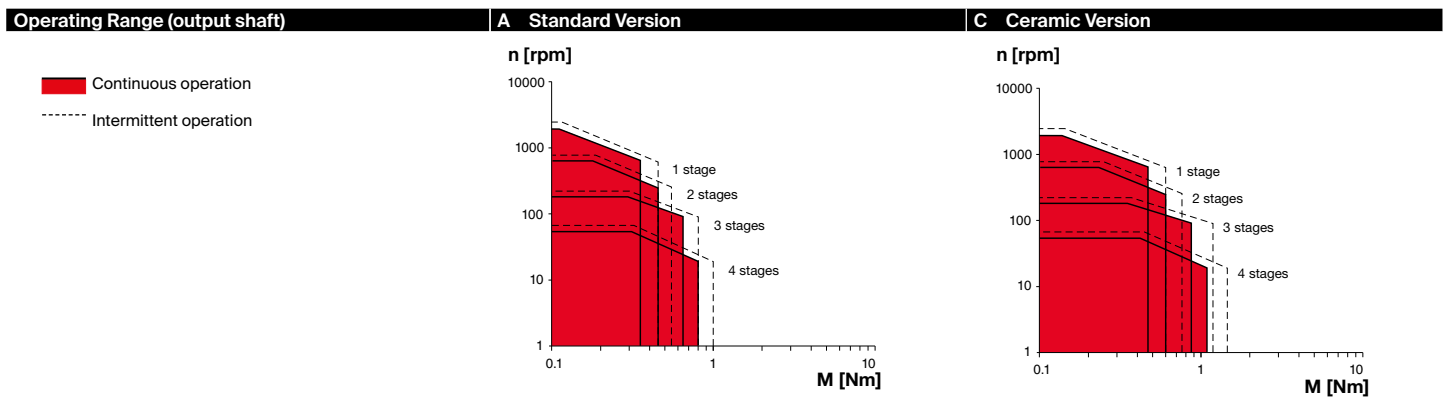


GPX 19 Ø19 mm, planetary gearhead



GPX

Key Data	A Standard Version	C Ceramic Version
Max. transmittable power	W 13	15.5
Max. continuous torque	Nm 0.8	1.1
Max. continuous input speed	rpm 14 000	14 000
Ambient temperature	°C -40 ... +100	-40 ... +100
Bearing at output	Ball bearing	Ball bearing



Specifications	A Standard Version	C Ceramic Version
Number of stages	1 2 3 4	1 2 3 4
Max. transmittable continuous power	W 13.0 6.5 3.2 0.9	15.5 7.8 3.9 1.0
Max. transmittable intermittent power	W 16.2 8.1 4.1 1.1	19.4 9.7 4.9 1.3
Max. continuous torque	Nm 0.35 0.45 0.65 0.80	0.47 0.60 0.86 1.05
Max. intermittent torque	Nm 0.45 0.55 0.80 1.00	0.60 0.75 1.10 1.30
Max. continuous input speed	rpm 10000 12000 14000 14000	10000 12000 14000 14000
Max. intermittent input speed	rpm 12500 15000 17500 17500	12500 15000 17500 17500
Max. efficiency	% 90 80 75 65	90 80 75 65
Average backlash no load	° 0.9 1.15 1.25 1.35	0.9 1.15 1.25 1.35
Max. axial load (dynamic)	N 40 40 40 40	40 40 40 40
Max. radial load, 5 mm from flange	N 50 80 90 90	50 80 90 90
Gearhead length L1 ¹	mm 16.7 22.9 27.0 36.2	16.7 22.9 27.0 36.2
Weight	g 30 40 43 55	30 40 43 55

Configuration	A Standard Version	C Ceramic Version
Number of stages	1 2 3 4	1 2 3 4
Reduction	X:1 3.9, 5.3, 6.6 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	3.9, 5.3, 6.6 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/configurable flange	
Shaft	Length/flat face/cross hole	

maxon Modular System	Page	Dimensions	M 11
maxon DC motor Nº of stages [opt.]			
DCX 16 S 3-4	93-94		
DCX 16 L 3-4	95-96		
DCX 19 S 1-2 [3-4]	97-98		
DC-max 16 S 3-4	109-110		
maxon EC motor Nº of stages [opt.]			
ECX SPEED 16 M 3-4	195-196		
ECX SPEED 16 L 3-4	199-200		
ECX SPEED 19 M 1-2 [3-4]	203-204		
ECX SPEED 19 L 1-2 [3-4]	207-208		

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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