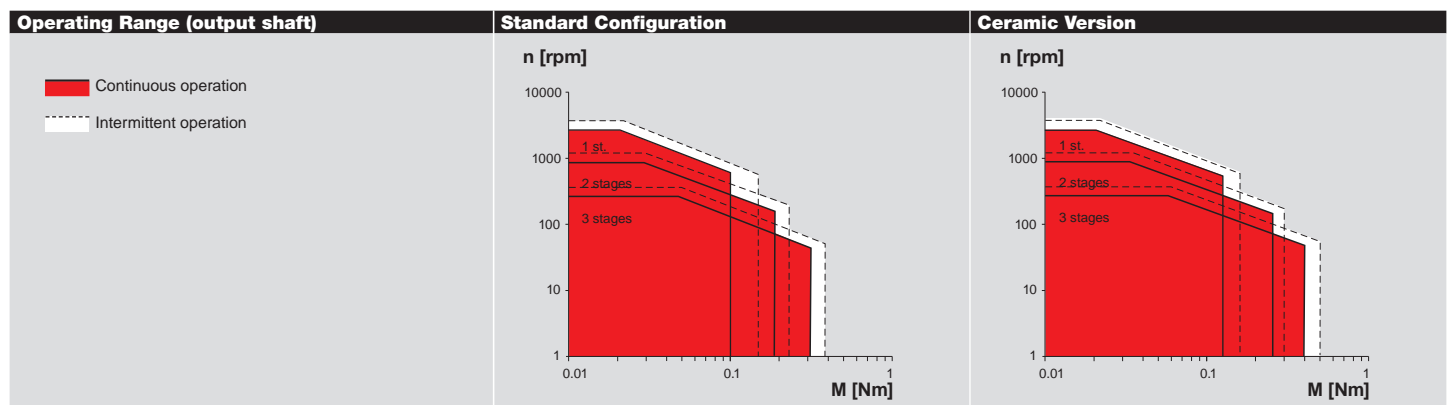


GPX 16 Planetary Gearhead Ø16 mm

Configurable



Key Data		Standard Configuration	Ceramic Version
Max. transmittable power	W	6.2	7.5
Max. continuous torque	Nm	0.31	0.4
Max. continuous input speed	rpm	16000	16000
Ambient temperature	°C	-40 ... +100	-40 ... +100
Bearing at output		Ball bearing	Ball bearing



Specifications		Standard Configuration			Ceramic Version		
Number of stages		1	2	3	1	2	3
Max. transmittable continuous power	W	6.2	3.1	1.6	7.5	3.7	1.9
Max. transmittable intermittent power	W	7.8	3.9	2.0	9.4	4.7	2.3
Max. continuous torque	Nm	0.10	0.20	0.31	0.13	0.27	0.40
Max. intermittent torque	Nm	0.15	0.23	0.39	0.16	0.31	0.50
Max. continuous input speed	rpm	12000	14000	16000	12000	14000	16000
Max. intermittent input speed	rpm	15000	17500	20000	15000	17500	20000
Max. efficiency	%	90	80	75	90	80	75
Average backlash no load	°	1.4	1.6	2	1.4	1.6	2
Max. axial load (dynamic)	N	12	12	12	12	12	12
Max. radial load, 5 mm from flange	N	20	60	60	20	60	60
Gearhead length L1	mm	15.8	20.7	25.7	15.8	20.7	25.7
Weight	g	20	25	27	20	25	27

Configuration		Standard Configuration			Ceramic Version		
Number of stages		1	2	3	1	2	3
Reduction	X:1	3.9, 5.3, 6.6	16, 21, 26, 28, 35, 44	62, 83, 103, 111, 138, 150, 172, 186, 231	3.9, 5.3, 6.6	16, 21, 26, 28, 35, 44	62, 83, 103, 111, 138, 150, 172, 186, 231
Version		Standard/ceramic version/noise reduced/reduced backlash					
Flange		Standard flange/configurable flange					
Shaft		Length/flat face					

maxon Modular System		Page	Dimensions	M 1:1
maxon DC motor	Number of stages			
DCX 16 S	1-2	15		
DCX 16 L	1-2	16		
DCX 14 L	3	14		
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>1-2 stages</p> </div> <div style="text-align: center;"> <p>3 stages</p> </div> </div>				