

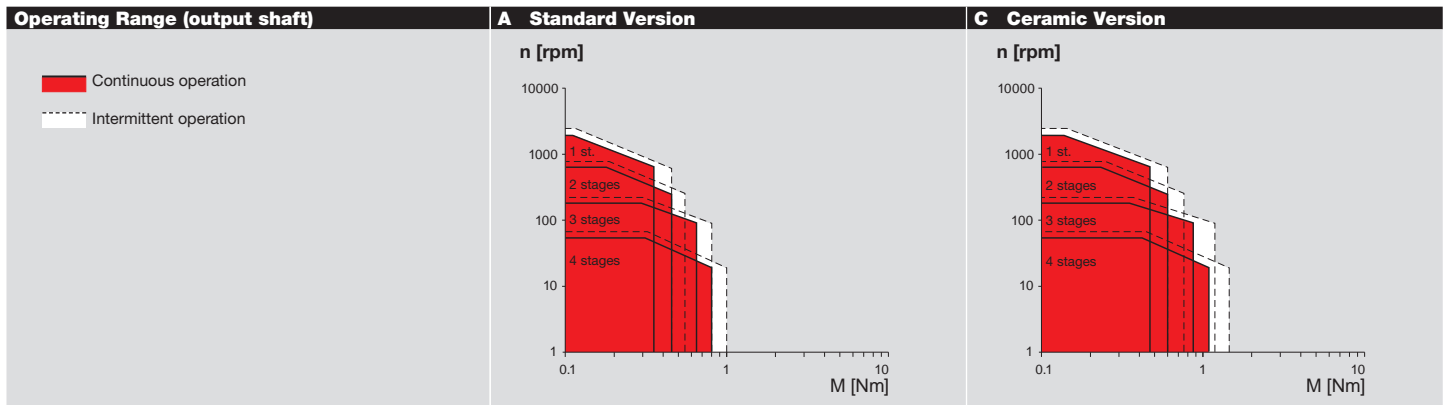
GPX 19

Planetary Gearhead Ø19 mm

NEW



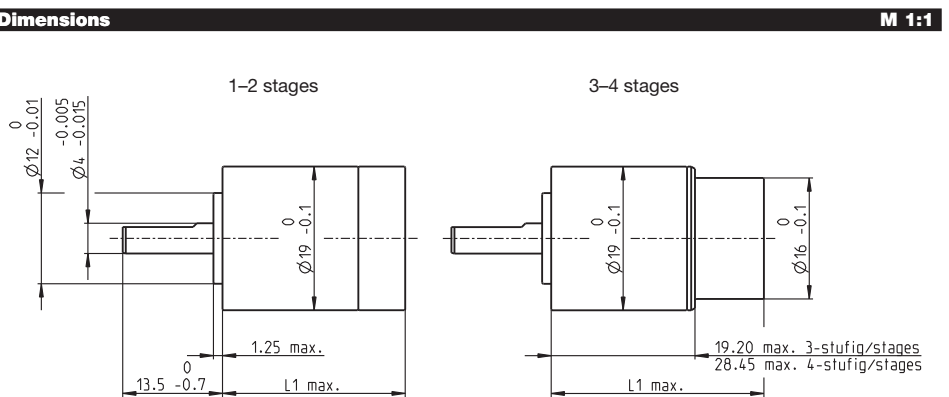
Key Data		A Standard Version	C Ceramic Version
Max. transmittable power	W	13	15.5
Max. continuous torque	Nm	0.8	1.1
Max. continuous input speed	rpm	14000	14000
Ambient temperature	°C	-40 ... +100	-40 ... +100
Bearing at output		Ball bearing	Ball bearing



Specifications	A Standard Version				C Ceramic Version				
	1	2	3	4	1	2	3	4	
Number of stages									
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	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				
	1	2	3	4	1	2	3	4	
Number of stages									
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
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
maxon DC motor	Number of stages	
DCX 16 S	3-4	70-71
DCX 16 L	3-4	72-73
DCX 19 S	1-2	74-75
DC-max 16 S	3-4	86-87



xdrives.maxonmotor.com