

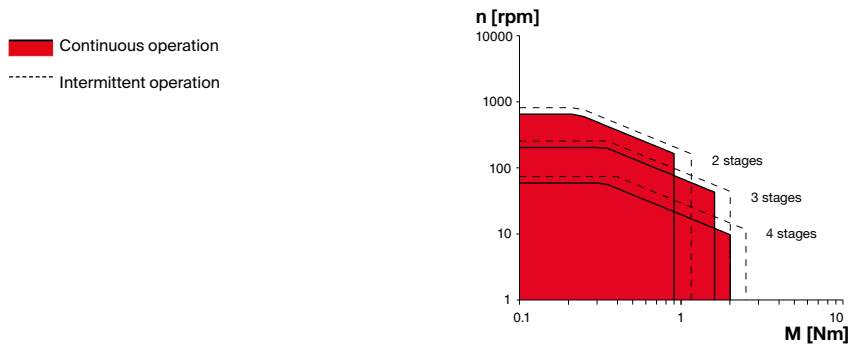
GPX 19 Ø19 mm, planetary gearhead



GPX

Key Data		HP High Power
Max. transmittable power	W	15
Max. continuous torque	Nm	2
Max. continuous input speed	rpm	14 000
Ambient temperature	°C	-40 ... +100
Bearing at output		Ball bearing

Operating Range (output shaft) HP High Power



Specifications HP High Power

		2	3	4
Number of stages		2	3	4
Max. transmittable power (continuous)	W	15.0	7.0	2.0
Max. transmittable power (intermittent)	W	19.0	9.0	3.0
Max. continuous torque	Nm	0.90	1.60	2.00
Max. intermittent torque	Nm	1.15	2.00	2.50
Max. continuous input speed	rpm	10000	12000	14000
Max. intermittent input speed	rpm	12500	15000	17500
Max. efficiency	%	75	65	55
Average backlash no load	°	1.15	1.25	1.35
Max. axial load (dynamic)	N	40	40	40
Max. radial load, 5 mm from flange	N	100	120	120
Gearhead length L1 ¹	mm	30.8	37.0	41.0
Weight	g	51	61	63

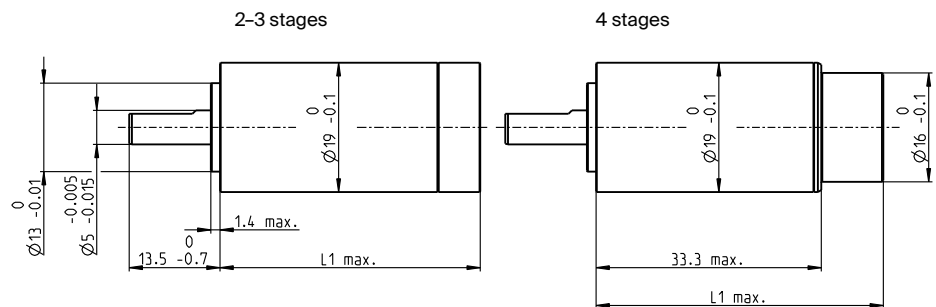
Configuration HP High Power

		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/cross hole		

maxon Modular System Page Dimensions M 1:1

maxon DC motor		N° of stages [opt.]	Page
DCX 16 S		4	93-94
DCX 16 L		4	95-96
DCX 19 S		2-3 [4]	97-98

maxon EC motor		N° of stages [opt.]	Page
ECX SPEED 16 M		4	195-196
ECX SPEED 16 L		4	199-200
ECX SPEED 19 M		2-3 [4]	203-204
ECX SPEED 19 L		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.

gpx.maxongroup.com