

GPX 6 Ø6 mm, planetary gearhead

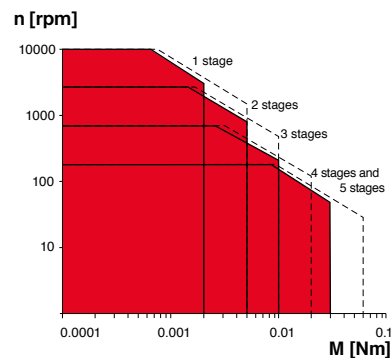


GPX

Key Data		A Standard Version
Max. transmittable power	W	0.6
Max. continuous torque	Nm	0.03
Max. continuous input speed	rpm	40 000
Ambient temperature	°C	-40 ... +100
Bearing at output		Ball bearing

Operating Range (output shaft)	A Standard Version
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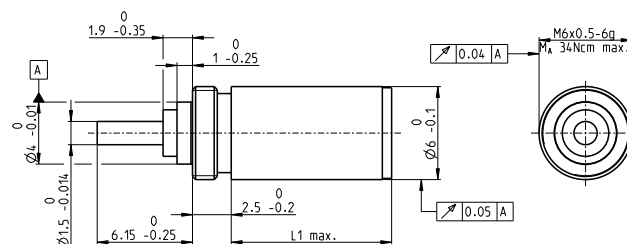
Continuous operation
Intermittent operation



Specifications		A Standard Version				
Number of stages		1	2	3	4	5
Max. transmittable power (continuous)	W	0.63	0.39	0.20	0.15	0.04
Max. transmittable power (intermittent)	W	0.79	0.49	0.25	0.18	0.05
Max. continuous torque	Nm	0.002	0.005	0.01	0.03	0.03
Max. intermittent torque	Nm	0.005	0.01	0.02	0.06	0.06
Max. continuous input speed	rpm	40 000	40 000	40 000	40 000	40 000
Max. intermittent input speed	rpm	40 000	40 000	40 000	40 000	40 000
Max. efficiency	%	88	77	68	60	52
Average backlash no load	°	1.8	2.0	2.2	2.5	2.8
Max. axial load (dynamic)	N	5	5	5	5	5
Max. radial load, 5 mm from flange	N	5	6	7	8	8
Gearhead length L ¹	mm	5.3	7.8	10.4	13.0	15.6
Weight	g	1.7	2.1	2.5	2.9	3.3

Configuration		A Standard Version				
Number of stages		1	2	3	4	5
Reduction	X:1	3.9	15	57	221	854
Absolute reduction: (see online)						
Version		Standard				
Flange		Standard flange/with central thread				
Shaft		Length/flat face				

maxon Modular System		Page	Dimensions	M 2:1
maxon DC motor	Nº of stages [opt.]			
DCX 6 M	1-5	85		
maxon EC motor				
ECX SPEED 6 M	1-5	183-184		



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