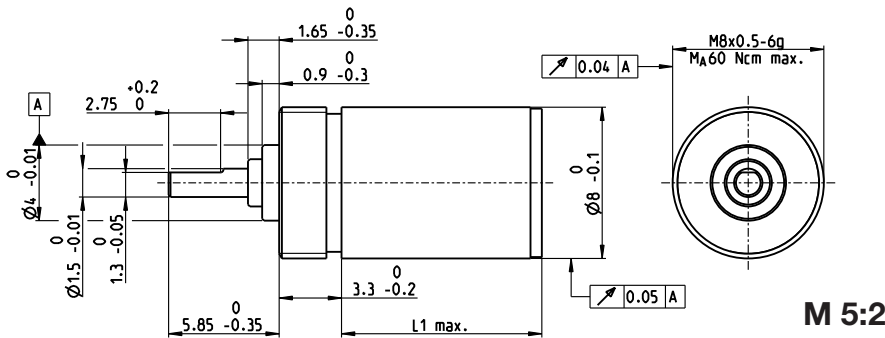


Planetary Gearhead GP 8 A $\varnothing 8$ mm, 0.01–0.1 Nm



Technical Data

Planetary Gearhead	straight teeth
Output shaft	stainless steel, hardened
Bearing at output	ball bearing
Radial play, 5 mm from flange	max. 0.08 mm
Axial play	max. 0.08 mm
Max. axial load (dynamic)	5 N
Max. force for press fits	10 N
Direction of rotation, drive to output	=
Max. continuous input speed	12 000 rpm
Recommended temperature range	-15...+80°C
Number of stages	1 2 3 4 5
Max. radial load, 5 mm from flange	5 N 6 N 7 N 8 N 8 N

- Stock program
- Standard program
- Special program (on request)

Part Numbers

468999	468998	474124	468997	474127	468996	474129	468995
--------	--------	--------	---------------	---------------	--------	--------	--------

Gearhead Data

	468999	468998	474124	468997	474127	468996	474129	468995
1 Reduction	4:1	16:1	36:1	64:1	216:1	256:1	1296:1	1024:1
2 Absolute reduction	4	16	36	64	216	256	1296	1024
3 Max. motor shaft diameter	mm 1	1	0.65	1	0.65	1	0.65	1
4 Number of stages	1	2	2	3	3	4	4	5
5 Max. continuous torque	Nm 0.01	0.020	0.008	0.060	0.020	0.080	0.040	0.100
6 Max. intermittent torque at gear output	Nm 0.015	0.030	0.012	0.090	0.030	0.120	0.060	0.150
7 Max. efficiency	% 90	81	76	73	66	65	57	59
8 Weight	g 2.6	3.2	3.2	3.8	3.8	4.4	4.4	5.0
9 Average backlash no load	° 1.80	2.0	2.4	2.2	2.6	2.50	2.8	2.80
10 Mass inertia	gcm ² 0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
11 Gearhead length L1	mm 5.5	8.1	8.3	10.7	11.1	13.3	13.9	15.9



maxon Modular System

+ Motor	Page	+ Sensor/Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts							
RE 8, 0.5 W, A	153			22.2	24.8	25.0	27.4	27.8	30.0	30.6	32.6
RE 8, 0.5 W, B	153			25.2	27.8	28.0	30.4	30.8	33.0	33.6	35.6
RE 8, 0.5 W, A	153	MR	385/386	28.8	31.4	31.6	34.0	34.4	36.6	37.2	39.2
RE 8, 0.5 W, A	153	8 OPT	395	30.4	33.0	33.2	35.6	36.0	38.2	38.8	40.8
EC 8, 2 W	238			28.6	31.2	31.4	33.8	34.2	36.4	37.0	39.0