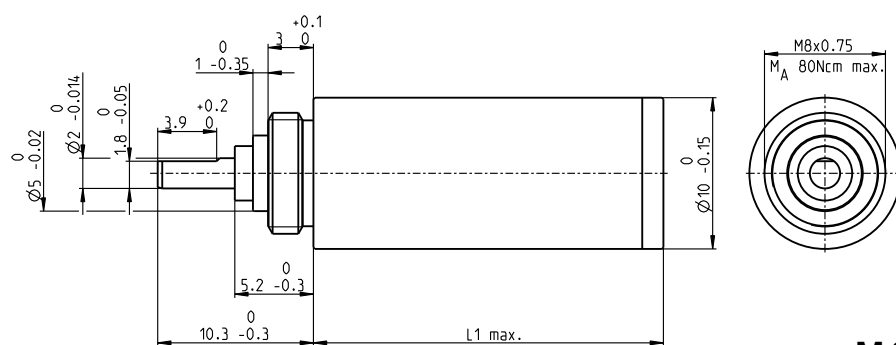


Planetary Gearhead GP 10 A Ø10 mm, 0.01–0.15 Nm



Technical data

Planetary Gearhead	straight teeth
Output shaft	stainless steel
Bearing at output	preloaded ball bearings
Radial play, 5 mm from flange	max. 0.08 mm
Axial play at axial load	< 2 N 0 mm
	> 2 N max. 0.04 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	-40...+80°C
Number of stages	1 2 3 4 5
Max. radial load, 5 mm from flange	5 N 10 N 15 N 20 N 25 N

M 2:1

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

Part numbers

		218415	218416	218417	218418	218419								
Gearhead data														
1 Reduction		4:1	16:1	64:1	256:1	1024:1								
2 Absolute reduction		4	16	64	256	1024								
3 Max. motor shaft diameter	mm	1.2	1.2	1.2	1.2	1.2								
4 Number of stages		1	2	3	4	5								
5 Max. continuous torque	Nm	0.010	0.030	0.100	0.150	0.150								
6 Max. intermittent torque at gear output	Nm	0.020	0.050	0.150	0.200	0.200								
7 Max. efficiency	%	90	81	73	65	59								
8 Weight	g	6.7	7.2	7.7	8.2	8.7								
9 Average backlash no load	°	1.5	1.8	2.0	2.2	2.5								
10 Mass inertia	gcm ²	0.005	0.005	0.005	0.005	0.005								
11 Gearhead length L1	mm	10.4	14.1	17.2	20.4	23.5								



Modular system									
+ Motor	Page	+ Sensor/Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts					
RE 10, 0.75 W	131/132			27.5	31.2	34.3	37.5	40.6	
RE 10, 0.75 W	132	ENX 10 GAMA	497	35.6	39.3	42.4	45.6	48.7	
RE 10, 0.75 W	132	ENX 10 IMR	500	33.3	37.0	40.1	43.3	46.4	
RE 10, 0.75 W	132	MR	532	33.3	37.0	40.1	43.3	46.4	
RE 10, 1.5 W	133/134			35.1	38.8	41.9	45.1	48.2	
RE 10, 1.5 W	134	ENX 10 GAMA	497	43.2	46.9	50.0	53.2	56.3	
RE 10, 1.5 W	134	ENX 10 IMR	500	40.9	44.6	47.7	50.9	54.0	
RE 10, 1.5 W	134	MR	532	40.9	44.6	47.7	50.9	54.0	
A-max 12	169/170			31.7	35.4	38.5	41.7	44.8	
EC 9.2 flat, 0.5 W	319			23.0	26.7	29.8	33.0	36.1	