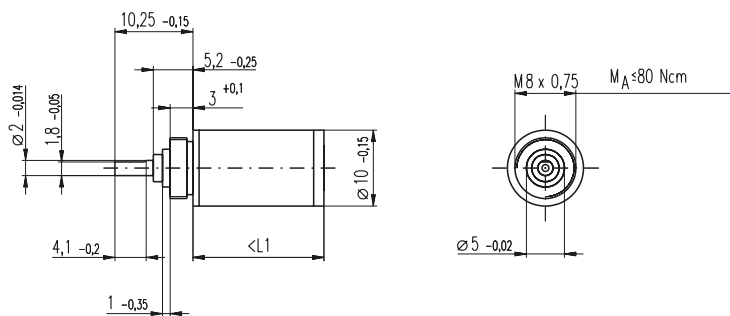


Planetary Gearhead GP 10 A Ø10 mm, 0.01 - 0.15 Nm

Metal Version



M 1:1

Technical Data

Planetary Gearhead	straight teeth
Output shaft	stainless steel, hardened
Bearing at output	preloaded ball bearings
Option	sleeve bearing
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. permissible axial load	5 N
Max. permissible force for press fits	10 N
Sense of rotation, drive to output	=
Recommended input speed	< 8000 rpm
Recommended temperature range	-15 ... +100°C
Extended range as option	-35 ... +100°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

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

Order Number

Gearhead Data		218415	218416	218417	218418	218419			
1 Reduction		4 : 1	16 : 1	64 : 1	256 : 1	1024 : 1			
2 Reduction absolute		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 Intermittently permissible 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			



Combination

+ Motor	Page	+ Tacho / Encoder / Brake	Page	Overall length [mm] = Motor length + gearhead length + (tacho / encoder / brake) + assembly parts							
RE 10, 0.75 W 52/53				27.5	31.2	34.3	37.5	40.6			
RE 10, 0.75 W 53		MR	232/233	33.1	36.8	39.9	43.1	46.2			
RE 10, 0.75 W 53		MEnc 10	250	35.6	39.3	42.4	45.6	48.7			
RE 10, 1.5 W 54/55				35.1	38.8	41.9	45.1	48.2			
RE 10, 1.5 W 55		MR	232/233	40.7	44.4	47.5	50.7	53.8			
RE 10, 1.5 W 55		MEnc 10	250	43.2	46.9	50.0	53.2	56.3			
A-max 12	99/100			31.7	35.4	38.5	41.7	44.8			
A-max 12	100	MR	232/233	35.6	39.3	42.4	45.6	48.7			