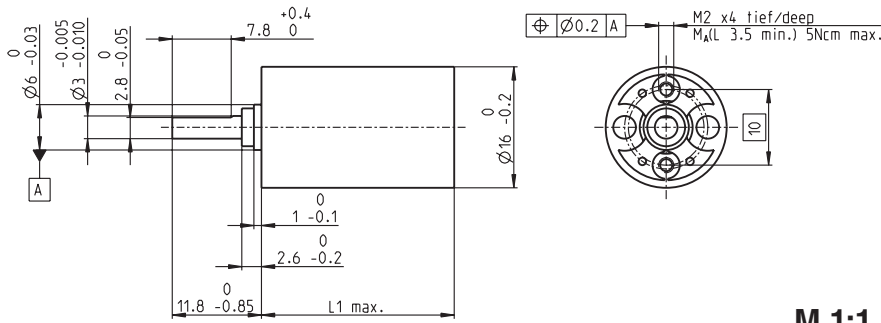


# Planetary Gearhead GP 16 K $\varnothing 16$ mm, 0.06–0.18 Nm

Plastic Version



M 1:1

### Technical Data

Planetary Gearhead	straight teeth
Housing, planetary wheels	plastic
Output shaft	stainless steel, hardened
Bearing at output	sleeve bearing
Radial play, 6 mm from flange	max. 0.14 mm
Axial play	0.02–0.10 mm
Max. permissible axial load	5 N
Max. permissible force for press fits	100 N
Sense of rotation, drive to output	=
Recommended input speed	< 8000 rpm
Recommended temperature range	-15...+80°C
Number of stages	1 2 3 4 5
Max. radial load, 6 mm from flange	2 N 3 N 4 N 5 N 5 N

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

### Part Numbers

	112862	112863	112864	112865	112866
<b>Gearhead Data</b>					
1 Reduction	4.4:1	19:1	84:1	370:1	1621:1
2 Reduction absolute	57/13	3249/169	185193/2197	10556001/28561	601692057/371293
3 Max. motor shaft diameter	mm 2	2	2	2	2
4 Number of stages	1	2	3	4	5
5 Max. continuous torque	Nm 0.06	0.09	0.12	0.15	0.18
6 Intermittently permissible torque at gear output	Nm 0.06	0.09	0.12	0.15	0.18
7 Max. efficiency	% 85	70	60	50	45
8 Weight	g 6.4	7.7	8.4	9.1	9.8
9 Average backlash no load	° 1.8	2.0	2.2	2.5	2.8
10 Mass inertia	gcm <sup>2</sup> 0.06	0.03	0.03	0.03	0.03
11 Gearhead length L1*	mm 16.5	22.0	25.5	29.0	32.5

\*for RE 15 and RE 16 L1 is -1.0 mm



### maxon Modular System

+ Motor	Page	+ Sensor/Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts				
RE 16, 2 W	94			37.9	43.4	46.9	50.4	53.9
RE 16, 2 W	94	MR	298/300	43.6	49.1	52.6	56.1	59.6
RE 16, 3.2 W	95/96			56.0	61.5	65.0	68.5	72.0
RE 16, 3.2 W	96	MR	298/300	61.0	66.5	70.0	73.5	77.0
RE 16, 3.2 W	96	MEnc 13	313	62.1	67.6	71.1	74.6	78.1
RE 16, 4.5 W	97/98			59.0	64.5	68.0	71.5	75.0
RE 16, 4.5 W	98	MR	298/300	64.0	69.5	73.0	76.5	80.0
RE 16, 4.5 W	98	MEnc 13	313	65.2	70.7	74.2	77.7	81.2
A-max 16	113-116			42.0	47.5	51.0	54.5	58.0
A-max 16	114/116	MR	298/300	47.0	52.5	56.0	59.5	63.0
A-max 16	114/116	MEnc 13	313	50.1	55.6	59.1	62.6	66.1
RE-max 17	143-146			42.0	47.5	51.0	54.5	58.0
RE-max 17	144/146	MR	298/300	47.0	52.5	56.0	59.5	63.0